

# **POWER DEVELOPMENT IN ANDHRA PRADESH**

**(STATISTICS)**

**2015-16**



**TRANSMISSION CORPORATION OF  
ANDHRA PRADESH LIMITED**

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## **1. SALIENT FEATURES**

**SALIENT FEATURES OF APTRANSCO, APGENCO, and DISCOMs as on 31.03.2016**

| S.No.     | I t e m                                                                   | Unit        | As on<br>31-03-2015 | Achievement in<br>2015-16 | As on<br>31-03-2016 |
|-----------|---------------------------------------------------------------------------|-------------|---------------------|---------------------------|---------------------|
| <b>1.</b> | <b>INSTALLED CAPACITY (AP Share)</b>                                      |             |                     |                           |                     |
| <b>a)</b> | <b>State Sector</b>                                                       |             |                     |                           |                     |
| 1         | Thermal                                                                   | MW          | 2348.15             |                           | 2348.15             |
| 2         | Hydel                                                                     | MW          | 1671.29             |                           | 1671.29             |
| 3         | Wind                                                                      | MW          | 2.00                |                           | 2.00                |
| 4         | AP Power Development Corp.Ltd                                             | MW          | 800.00              | 800.00                    | 1600.00             |
|           | <b>TOTAL STATE SECTOR</b>                                                 | <b>MW</b>   | <b>4821.44</b>      | <b>800.00</b>             | <b>5621.44</b>      |
| <b>b)</b> | <b>Joint Sector</b>                                                       |             |                     |                           |                     |
| 1         | Gas (A.P.G.P.C.L) Gov Share 58.8 MW *58.32%                               | MW          | <b>34.29</b>        |                           | <b>34.29</b>        |
| <b>c)</b> | <b>Private Sector</b>                                                     |             |                     |                           |                     |
| 1         | IPPs                                                                      | MW          | 1150.31             | 1179.18                   | 2329.49             |
| 2         | Mini Hydel                                                                | MW          | 89.10               | 0.00                      | 89.10               |
| 3         | Wind                                                                      | MW          | 1016.22             | 400.10                    | 1416.32             |
| 4         | Co-Generation (Biomass+ Biomass Co-generation & Bagasse Co-generation)(*) | MW          | 428.57              | 0.00                      | 428.57              |
| 5         | Mini power plants                                                         | MW          | 78.79               | 3.21                      | 82.00               |
| 6         | Others (Iso-gas Wells+Waste heat )                                        | MW          | 59.70               | 7.50                      | 67.20               |
| 7         | Solar                                                                     | Mw          | 137.85              | 441.34                    | 579.19              |
|           | <b>TOTAL PRIVATE SECTOR</b>                                               | <b>MW</b>   | <b>2960.54</b>      | <b>2031.33</b>            | <b>4991.87</b>      |
| <b>d)</b> | <b>Share from Central Sector</b>                                          |             |                     |                           |                     |
| 1         | N.T.P.C Ramagundam -(1-6)                                                 | MW          | 319.31              | -14.49                    | 304.82              |
| 2         | N.T.P.C Ramagundam -7                                                     | MW          | 79.97               | -3.54                     | 76.43               |
| 3         | N.T.P.C.Talcher Stage II (Units 3,4,5&6)                                  | MW          | 195.83              | -2.63                     | 193.2               |
| 4         | Simhadri TPS (NTPC) -Stg 1                                                | MW          | 461.10              | 0.00                      | 461.1               |
| 5         | Simhadri TPS (NTPC) -Stg 2                                                | MW          | 211.77              | 0.13                      | 211.9               |
| 6         | Neyveli (Tamilnadu)stage-I                                                | MW          | 53.19               | -3.47                     | 49.72               |
| 7         | Neyveli (Tamilnadu)stage-II                                               | MW          | 94.12               | -4.55                     | 89.57               |
| 8         | Vallur Stage 1,2 & 3                                                      | MW          | 98.60               | -6.65                     | 91.95               |
| 9         | Tuticorin , Tamilnadu                                                     | MW          |                     | 127.37                    | 127.37              |
| 10        | M.A.P.P (Tamilnadu)                                                       | MW          | 20.12               | -1.10                     | 19.02               |
| 11        | Kaiga Nuclear power plant I & II                                          | MW          | 62.51               | -3.92                     | 58.59               |
|           | Kaiga Nuclear power plant III & IV                                        |             | 66.21               | -3.93                     | 62.28               |
|           | Kudankulam UnitI                                                          |             | 50.00               | 0.00                      | 50                  |
|           | <b>TOTAL SHARE FROM CENTRAL SECTOR</b>                                    | <b>MW</b>   | <b>1712.73</b>      | <b>83.22</b>              | <b>1795.95</b>      |
|           | <b>Grand Total (State + Private + Central)</b>                            | <b>MW</b>   | <b>9529.00</b>      | <b>2914.55</b>            | <b>12443.55</b>     |
| <b>2.</b> | <b>Length of Lines</b>                                                    |             |                     |                           |                     |
| a)        | 400 kV                                                                    | Ckm         | 2400.37             | 234.82                    | 2635.19             |
| b)        | 220 kV                                                                    | Ckm         | 8394.74             | 456.24                    | 8850.98             |
| c)        | 132 kV                                                                    | Ckm         | 8600.62             | 327.59                    | 8928.21             |
| d)        | 33 kV                                                                     | km          | 24083.64            | 555.55                    | 24639.19            |
| e)        | 11 kV                                                                     | km          | 184499.31           | 7581.35                   | 192080.66           |
| f)        | L.T.                                                                      | km          | 288769.41           | 8213.46                   | 296982.87           |
|           | <b>TOTAL</b>                                                              | <b>Ckm</b>  | <b>516748.09</b>    | <b>17369.01</b>           | <b>534117.10</b>    |
| <b>3.</b> | <b>Sub-Stations :</b>                                                     |             |                     |                           |                     |
| a)        | 400 kV                                                                    | Nos.        | 6                   | 0                         | 6                   |
| b)        | 220 kV                                                                    | Nos.        | 71                  | 4                         | 75                  |
| c)        | 132 kV                                                                    | Nos.        | 169                 | 12                        | 181                 |
| d)        | 33 kV                                                                     | Nos.        | 2633                | 95                        | 2728                |
|           | <b>TOTAL</b>                                                              | <b>Nos.</b> | <b>2879</b>         | <b>111</b>                | <b>2990</b>         |
| <b>4.</b> | <b>Distribution Transformers</b>                                          | <b>Nos.</b> | <b>621171</b>       |                           | <b>635055</b>       |

(Contd.)

| S.No. | I t e m                                                                | Unit | As on<br>31-03-2015           | Achievement in<br>2015-16       | As on<br>31-03-2016<br>(Provl)<br>AP Residuary |
|-------|------------------------------------------------------------------------|------|-------------------------------|---------------------------------|------------------------------------------------|
| 5.    | Electrification of Towns, Villages, Hamlets, etc. (As per 2001 census) |      |                               |                                 |                                                |
|       | EXISTING                                                               |      |                               |                                 |                                                |
| a)    | Towns                                                                  | Nos. | 112                           | 0                               | 112                                            |
|       |                                                                        | %    | 100%                          |                                 | 100%                                           |
| b)    | Villages                                                               | Nos. | 16449                         | 0                               | 16449                                          |
|       |                                                                        | %    | 100%                          |                                 | 100%                                           |
| c)    | Hamlets 24001                                                          | Nos. | 23475                         | 0                               | 23475                                          |
|       |                                                                        | %    | 97.81%                        |                                 | 97.81%                                         |
| d)    | Dalitwadas 37402                                                       | Nos. | 36309                         | 3                               | 36312                                          |
|       |                                                                        | %    | 97.08%                        |                                 | 97.09%                                         |
| e)    | Weaker Section Colonies 22378                                          | Nos. | 21725                         | 0                               | 21725                                          |
|       |                                                                        | %    | 97.08%                        |                                 | 97.08%                                         |
| f)    | Tribal Hamlets/ Habitations 5524                                       | Nos. | 5136                          | 128                             | 5264                                           |
|       |                                                                        | %    | 94.92%                        |                                 | 97.28%                                         |
| 6.    | Consumers served                                                       |      |                               |                                 |                                                |
| A)    | L.T.Category                                                           |      |                               |                                 |                                                |
| a)    | Domestic                                                               | Nos. | 12648102                      | 528778                          | 13176880                                       |
| b)    | Non-domestic                                                           | Nos. | 1104366                       | 69169                           | 1173535                                        |
| c)    | Industrial                                                             | Nos. | 134100                        | 3834                            | 137934                                         |
| d)    | Cottage Industries                                                     | Nos. | 16029                         | 464                             | 16493                                          |
| e)    | Agricultural (Including RESCOs)                                        | Nos. | 1509495                       | 72360                           | 1581855                                        |
| f)    | Public Lighting / Local Bodies                                         | Nos. | 91440                         | 3834                            | 95274                                          |
| g)    | General Purpose                                                        | Nos. | 105297                        | 1678                            | 106975                                         |
| h)    | Temporary                                                              | Nos. | 2205                          | 278                             | 2483                                           |
|       | L.T.Total ( a to h)                                                    | Nos. | 15611034                      | 680395                          | 16291429                                       |
| B)    | H.T.Total                                                              | Nos. | 7835                          | 513                             | 8348                                           |
|       | Grand Total (A+B)                                                      | Nos. | 15618869                      | 680908                          | 16299777                                       |
| 7.    | Connected Load                                                         |      |                               |                                 |                                                |
| A)    | L.T.Category                                                           |      |                               |                                 |                                                |
| a)    | Domestic                                                               | MW   |                               |                                 | 9686.07                                        |
| b)    | Non-domestic                                                           | MW   |                               |                                 | 2230.98                                        |
| c)    | Industrial                                                             | MW   |                               |                                 | 2092.597                                       |
| d)    | Cottage Industries                                                     | MW   |                               |                                 | 42.668                                         |
| e)    | Agricultural (Including RESCOs)                                        | MW   |                               |                                 | 7126.508                                       |
| f)    | Public Lighting / Local Bodies                                         | MW   |                               |                                 | 403.98                                         |
| g)    | General Purpose                                                        | MW   |                               |                                 | 128.39                                         |
| h)    | Temporary                                                              | MW   |                               |                                 | 0.5                                            |
|       | L.T.Total ( a to h)                                                    | MW   |                               |                                 | 21711.693                                      |
| B)    | H.T.Total                                                              | MW   |                               |                                 | 5176.67                                        |
|       | Grand Total (A+B)                                                      | MW   |                               |                                 | 26888.363                                      |
|       |                                                                        |      | During 2014-15<br>(APR & MAY) | During 2014-15<br>(June to Mar) | During 2015-16                                 |
| 8     | Energy from APGENCO                                                    |      |                               |                                 |                                                |
|       | 1. Thermal                                                             | MU   | 5702.66                       | 16281.86                        | 22044.42                                       |
|       | 2. Hydel                                                               | MU   | 621.37                        | 3178.61                         | 2441.01                                        |
|       | TOTAL                                                                  | MU   | 6324.03                       | 19460.47                        | 24485.43                                       |
|       | Energy from others                                                     | MU   | 9061.37                       | 28862.85                        | 25902.23                                       |
|       | Total Energy (8+9)                                                     | MU   | 15385.4                       | 48323.32                        | 50387.66                                       |

(Contd.)

|           |                                          |            |  |                       |                       |
|-----------|------------------------------------------|------------|--|-----------------------|-----------------------|
| <b>9</b>  | <b>Energy consumption category-wise:</b> |            |  | <b>During 2014-15</b> | <b>During 2015-16</b> |
| <b>A)</b> | L.T.Category                             |            |  |                       |                       |
| a)        | Domestic - I                             | MU         |  | 9548.869              | 11343.15              |
| b)        | Non-domestic - II                        | MU         |  | 2028.051              | 2422.38               |
| c)        | Industrial - III                         | MU         |  | 2063.123              | 2280.29               |
| d)        | Cottage - IV                             | MU         |  | 55.546                | 38.87                 |
| e)        | Agricultural - V                         | MU         |  | 10394.875             | 10629.02              |
| f)        | Public Lighting - VI                     | MU         |  | 698.897               | 775.88                |
| g)        | General Purpose-VII                      | MU         |  | 114.759               | 136.64                |
| h)        | Temporary                                | MU         |  | 24.291                | 1.45                  |
|           | L.T.Total                                | MU         |  | 24928.411             | 27627.68              |
| <b>B)</b> | H.T.Recorded sales                       | MU         |  | 15320.235             | 16267.9               |
| <b>C)</b> | Total (L.T + H.T )                       | MU         |  | 40248.646             | 43895.58              |
|           |                                          | MU         |  |                       |                       |
| <b>10</b> | Energy sold & utilised in the state      | MU         |  | 40248.646             | 43896                 |
| <b>11</b> | Wheeled Energy                           | MU         |  | 442.06                | 571.63                |
| <b>12</b> | Total Sales + Wheeled Energy             | MU         |  | 40690.706             | 44467.63              |
| <b>13</b> | Maximum demand during the year           | MW         |  | 6784(17-03-2015)      | 7391(22/03/2016)      |
| <b>14</b> | Per capita consumption                   | Kwh        |  | 1003                  | 987                   |
| <b>15</b> | <b>Revenue</b>                           |            |  |                       |                       |
| a)        | By sale of Power                         | Rs. Crores |  | 16915.67              | 18709.98              |
| b)        | By sale of Power-inter state             | Rs. Crores |  | 581.16                | 564.17                |
| c)        | Transmission,SLDC./Miscellaneous/Others  | Rs. Crores |  | 3276.97               | 2415.11               |
| d)        | Subsidy/Grants                           | Rs. Crores |  | 3125.2                | 3186                  |
|           | Total (a+b+c+d)                          | Rs. Crores |  | 23899                 | 24875.26              |
| <b>16</b> | Capital Expenditure (TRANSCO)            | Rs. Crores |  |                       | 2148.45               |

## **2. POWER DEVELOPMENT – PLAN WISE**

| 2.1 PROGRESS UNDER FIVE YEAR PLANS - GENERATION |                            |                                        |                |                |                           |                  |                          |
|-------------------------------------------------|----------------------------|----------------------------------------|----------------|----------------|---------------------------|------------------|--------------------------|
| S. No.                                          | Plan Period                | Capacity Added In the Plan period (MW) |                |                | Total Capacity Added (MW) | Peak Demand (MW) | consumers served (Lakhs) |
|                                                 |                            | APGENCO & A.P.G.P.C.L                  | Central        | Others         |                           |                  |                          |
| 1                                               | Pre-Plan                   | 43.10                                  | -              | -              | 43.10                     | 22.6             | 0.30                     |
| 2                                               | 1st Plan (1951-56)         | 55.80                                  | -              | -              | 98.90                     | 54.6             | 1.19                     |
| 3                                               | 2nd Plan (1956-61)         | 114.10                                 | -              | -              | 213.00                    | 190              | 1.21                     |
| 4                                               | 3rd Plan (1961-66)         | 77.60                                  | -              | -              | 290.60                    | 258              | 2.55                     |
| 5                                               | 3 Annual Plans (1966-69)   | 323.00                                 | -              | -              | 613.60                    | 440              | 3.02                     |
| 6                                               | 4th Plan (1969-74)         | 58.00                                  | -              | -              | 671.60                    | 652              | 5.94                     |
| 7                                               | 5th Plan (1974-78)         | 895.00                                 | -              | -              | 1566.60                   | 970              | 2.21                     |
| 8                                               | 2 Annual Plans (1978-80)   | 392.00                                 | -              | -              | 1958.60                   | 1055             | 5.34                     |
| 9                                               | 6th Plan (1980-85)         | 1205.30                                | 162.00         | -              | 3325.90                   | 2158             | 13.95                    |
| 10                                              | 7th Plan (1985-90)         | 669.81                                 | 555.00         | -              | 4550.71                   | 3070             | 28.36                    |
| 11                                              | 2 Annual plans (1990 - 92) | 341.00                                 | 90.00          | -              | 4981.71                   | 7168             | 9.91                     |
| 12                                              | 8th Plan (1992-97)         | 1408.00                                | 90.00          | 289.19         | 6768.90                   | 5022             | 24.37                    |
| 13                                              | 9th Plan (1997-02)         | 626.00                                 | 603.00         | 1058.00        | 9055.90                   | 7143             | 47.49                    |
| 14                                              | 10th Plan (2002-03)        | 460.00                                 | 606.25         | 206.70         | 1272.95                   | 6895             | 6.39                     |
| 15                                              | 10th Plan (2003-04)        | 164.15                                 | 106.25         | 96.33          | 366.73                    | 7441             | 9.68                     |
| 16                                              | 10th plan (2004-05)        | 20.00                                  | 358.50         | 31.65          | 410.15                    | 7613             | 7.71                     |
| 17                                              | 10th plan (2005-06)        | -30.00                                 | 45.94          | 29.54          | 45.48                     | 8239             | 7.74                     |
| 18                                              | 10th plan (2006-07)        | 210.00                                 | 237.75         | 397.37         | 845.12                    | 8641             | 10.56                    |
| 19                                              | 10th plan(2002-07)         | 824.15                                 | 1354.69        | 761.59         | 2940.43                   | 8641             | 42.08                    |
| 20                                              | 11th plan (2007-08)        | 249.00                                 | 108.53         | 27.75          | 385.28                    | 9162             | 10.95                    |
| Sl.No                                           | As on                      | APGENCO & A.P.G.P.C.L and APTRIPCO     | Central        | Others         | Total Capacity (MW)       | Peak Demand (MW) | Consumers Served         |
| 22                                              | As on 31.03.2009           | 7320.86                                | 2963.22        | 2143.17        | 12427.25                  | 9997             | 206.81                   |
| 23                                              | As on 31.03.2010           | 8359.86                                | 3048.54        | 3217.12        | 14625.52                  | 10880            | 218.27                   |
| 24                                              |                            | 8656.86                                | 2882.68        | 3463.50        | 15003.04                  | 11829            | 229.54                   |
| 25                                              | As on 31.03.2012           | <b>9198.06</b>                         | <b>3116.54</b> | <b>3561.89</b> | <b>15876.49</b>           | <b>11972</b>     | <b>240.82</b>            |
| 26                                              | As on 31.03.2013           | <b>9198.06</b>                         | <b>3428.97</b> | <b>3762.27</b> | <b>16389.30</b>           | <b>11630</b>     | <b>251.59</b>            |
| 27                                              | As on 31.03.2014           | <b>9198.06</b>                         | <b>3501.40</b> | <b>4017.87</b> | <b>16717.33</b>           | <b>13162</b>     | <b>261.45</b>            |
| 28                                              | As on 31.03.2015           | <b>4821.44 *</b>                       | <b>1712.73</b> | <b>7816.27</b> | <b>9529.00</b>            | <b>6784</b>      | <b>156.19</b>            |
| 29                                              | As on 31.03.2016           | <b>5621.44*</b>                        | <b>1795.95</b> | <b>5026.17</b> | <b>12443.56</b>           | <b>7391</b>      | <b>162.99</b>            |

1) In 6th Plan RTS-A (47 MW) and Hyderabad Gas Turbo Sets (20 MW) were dismantled.

2) In 1990-92 100 MW added in Joint Sector, included in APGENCO capacity addition.

3) In 8th Plan 112 MW added in Joint Sector, included in APGENCO capacity addition.

4) In 9th Plan Central share reduced by 12 MW due to deration of Kalpakam(MAPP) from 40 MW to 28 MW

5) In 9th Plan 60 MW added in Joint Sector, included in APGENCO capacity addition.

NOTE :

i) % of Central Share increased

\* As per share of residual AP

## 2.2 PROGRESS UNDER FIVE YEAR PLANS - TRANSMISSION AND DISTRIBUTION

| S.No. | Plan Period                | As on      | NUMBER OF SUB-STATIONS |        |        |       |       |       | TRANSMISSION Lines in (CKM) AND DISTRIBUTION LINES in (KM) |         |         |       |       |        |        |        |
|-------|----------------------------|------------|------------------------|--------|--------|-------|-------|-------|------------------------------------------------------------|---------|---------|-------|-------|--------|--------|--------|
|       |                            |            | 400 kV                 | 220 kV | 132 kV | 66 kV | 33 kV | Total | 400 kV                                                     | 220 kV  | 132 kV  | 66 kV | 33 kV | 11 kV  | L.T    | Total  |
| 1     | End of 2nd Plan (1956-61)  | 31.3.1961  |                        |        | 6      |       | 65    | 71    |                                                            |         | -       | -     | 2883  | 11917  | 13738  | 28538  |
| 2     | 3rd Plan (1961-66)         | 31.3.1966  |                        |        | 11     | 35    | 127   | 173   |                                                            |         | 1872    | 2210  | 4789  | 18680  | 23525  | 51076  |
| 3     | 3 Annual plans (1966-69)   | 31.3.1969  |                        | 2      | 17     | 35    | 143   | 197   |                                                            | 637     | 2012    | 2242  | 5274  | 24260  | 33863  | 68288  |
| 4     | 4th Plan (1969-74)         | 31.3.1974  |                        | 6      | 25     | 18    | 248   | 297   |                                                            | 1140    | 2848    | 2234  | 6620  | 42879  | 65805  | 121526 |
| 5     | 5th Plan (1974-78)         | 31.3.1978  |                        | 10     | 29     | 20    | 340   | 399   |                                                            | 1725    | 3160    | 2091  | 8615  | 53678  | 88886  | 158155 |
| 6     | 2 Annual Plans (1978-80)   | 31.3.1980  |                        | 15     | 42     | 20    | 554   | 631   |                                                            | 2437    | 4322    | 2091  | 9178  | 63541  | 107588 | 189157 |
| 7     | 6th Plan (1980-85)         | 31.3.1985  |                        | 19     | 64     | 11    | 781   | 875   |                                                            | 4221    | 6642    | 1811  | 15656 | 100943 | 238532 | 367805 |
| 8     | 7th Plan (1985-90)         | 31.3.1990  |                        | 29     | 106    | 10    | 1131  | 1276  |                                                            | 5385    | 7769    | 1570  | 19545 | 122903 | 295170 | 452342 |
| 9     | 2 Annual plans (1990 - 92) | 31.3.1992  |                        | 37     | 123    | 10    | 1250  | 1420  |                                                            | 5978    | 8806    | 833   | 21168 | 136553 | 340326 | 513664 |
| 10    | 8th Plan (1992-97)         | 31.3.1997  |                        | 54     | 162    | 4     | 1652  | 1872  |                                                            | 7978    | 10524   | 266   | 25811 | 158850 | 426778 | 630207 |
| 11    | 9th Plan (1997-02)         | 31.3.2002  | 3                      | 69     | 186    | 0     | 1941  | 2199  | 1301                                                       | 10341   | 12413   | 0     | 30558 | 165564 | 442209 | 662386 |
| 12    | 10th Plan (2002-03)        | 31.3.2003  | 3                      | 73     | 191    | 0     | 2123  | 2390  | 2033                                                       | 10940   | 12793   | 0     | 32305 | 178321 | 467313 | 703704 |
| 13    | 10th Plan (2003-04)        | 31.3.2004  | 3                      | 76     | 210    | 0     | 2329  | 2618  | 2033                                                       | 11127   | 13030   | 0     | 32732 | 186988 | 473928 | 719839 |
| 14    | 10th Plan (2004-05)        | 31.3.2005  | 3                      | 78     | 229    | 0     | 2474  | 2784  | 2033                                                       | 11462   | 13351   | 0     | 33580 | 202547 | 486191 | 749164 |
| 15    | 10th Plan (2005-06)        | 31.3.2006  | 7                      | 79     | 243    | 0     | 2642  | 2971  | 2686                                                       | 11570   | 13894.6 | 0     | 34856 | 215008 | 504820 | 782835 |
| 16    | 10th Plan (2006-07)        | 31.3.2007  | 7                      | 82     | 256    | 0     | 2821  | 3166  | 2816                                                       | 11784.3 | 14313.4 | 0     | 35950 | 224688 | 513166 | 802718 |
|       | Total 10th Plan            |            | 4                      | 9      | 65     | 0     | 698   | 776   | 783                                                        | 844.177 | 1521    | 0     | 3645  | 46368  | 45853  | 99014  |
| 17    | 11th Plan (2007-08)        | 31.3.2008  | 8                      | 90     | 264    | 0     | 3023  | 3385  | 2988                                                       | 12236.3 | 14706.1 | 0     | 37206 | 234148 | 517685 | 818969 |
| 18    | 11th Plan (2008-09)        | 31.3.2009  | 9                      | 93     | 269    | 0     | 3355  | 3726  | 3009                                                       | 12502.6 | 14938.6 | 0     | 38628 | 248670 | 527852 | 845599 |
| 19    | 11th Plan (2009-10)        | 31.3.2010  | 9                      | 96     | 277    | 0     | 3714  | 4096  | 3172                                                       | 12693.2 | 15103.5 | 0     | 40033 | 260406 | 532656 | 864064 |
| 20    | 11th plan (2010-11)        | 31.3.2011  | 10                     | 99     | 295    | 0     | 3887  | 4291  | 3307.88                                                    | 12877.7 | 15586.9 | 0     | 40432 | 270167 | 542716 | 885088 |
| 21    | 11th plan (2011-12)        | 31.3.2012  | 10                     | 109    | 309    | 0     | 4056  | 4484  | 3308                                                       | 13622.6 | 15915.2 | 0     | 41149 | 280159 | 551959 | 906113 |
|       | Total 11th Plan            |            | 2                      | 19     | 45     | 0     | 1033  | 1099  | 320                                                        | 1386    | 1209    | 0     | 3943  | 46011  | 34274  | 87144  |
| 22    | 12th plan (2012-13)        | 31.3.2013  | 1                      | 8      | 5      | 0     | 313   | 327   | 804                                                        | 296     | 345     | 0     | 1314  | 10060  | 7880   | 20698  |
| 23    | 12th plan (2013-14)        | 31.3.2014  | 1                      | 3      | 17     |       | 305   | 326   | 145                                                        | 471     | 382     | 0     | 1467  | 10712  | 6552   | 19728  |
| 24    | 12th plan (2014-15) #      | 31.03.2015 | 0                      | 0      | 3      | 0     | 109   | 112   | 302                                                        | 243     | 157     | 0     | 512   | 11603  | 12959  | 25775  |
| 25    | 12th plan (2015-16)        | 31.03.2016 | 0                      | 4      | 12     | 0     | 95    | 111   | 235                                                        | 456     | 328     | 0     | 556   | 7581   | 8213   | 17369  |

1) Gooty(20.8.75) and Bommur, Nellore & Shapurnagar 132 KV SSs ( 76-77) upgraded to 220 KV

2) In 6th Plan Chandrayanagutta and Sullurpet 132 KV SSs are upgraded to 220 KV.

3) In 7th Plan Miryalaguda, Yeddumailaram, A.P.Carbides, Paloncha, Bhimadole, Ramagundam and Warangal 132 KV SSs are upgraded to 220 KV.

4) In 2 Annual Plans Garividi (90-91) and Kalikiri (91-92) 132 KV SSs are upgraded to 220 KV.

5) In 8th Plan Yerraguntla, Kalwakurthy, Nandyal, Ananthapur, Renigunta, Moulali and Chillakallu 132 KV SSs are upgraded to 220 KV.

6) In 9th Plan Kakinada, Siddipet, Karimnagar(1997-98), Waddekothapally, Nidadavolu(1998-99), Nirmal(1999-2000) 132KV SS's are upgraded to 220 KV Bheemgal, Medchal, Tandur, Minpur(2000-01) ), Waddekothapally, Nidadavolu(1998-99), Nirmal(1999-2000) and 220 KV Chinakampally Sw.Stn is converted in to Conventional SS(2000-01)

7) In 9th Plan all lines (400kV to L.T) reconciled.

✧ 8) In 2001-02 33kV, 11kV and L.T line lengths are reconciled 9)In 10th plan 1no .Shivarampally SS is upgraded to 220kV SS.

# Data for residual AP

## 2.3 PROGRESS UNDER FIVE YEAR PLANS - RURAL ELECTRIFICATION

(Figures in Nos.)

| S.No. | Plan Period          | Period (at the end of) | Distribution Transformers | Towns and Villages electrified | Hamlets electrified | Dalitwadadas electrified | Agricultural (pump sets energised) |
|-------|----------------------|------------------------|---------------------------|--------------------------------|---------------------|--------------------------|------------------------------------|
| 1     | Pre-Plan             | 31.3.1951              | --                        | 197                            | 66                  | --                       | 620                                |
| 2     | 1st Plan             | 31.3.1956              | --                        | 630                            | 133                 | --                       | 4300                               |
| 3     | 2nd Plan             | 31.3.1961              | 4667                      | 2680                           | 685                 | --                       | 17968                              |
| 4     | 3rd Plan             | 31.3.1966              | 8741                      | 4353                           | 1314                | --                       | 57225                              |
| 5     | 3 Annual Plans       | 31.3.1969              | 12363                     | 5788                           | 1783                | --                       | 122321                             |
| 6     | 4th Plan             | 31.3.1974              | 22549                     | 10485                          | 4890                | 8146                     | 261989                             |
| 7     | 5th Plan             | 31.3.1978              | 29033                     | 14851                          | 6000                | 10318                    | 318357                             |
| 8     | 2 Annual Plans       | 31.3.1980              | 34701                     | 16659                          | 6815                | 13960                    | 388292                             |
| 9     | 6th Plan             | 31.3.1985              | 48724                     | 23078                          | 9956                | 22477                    | 636003                             |
| 10    | 7th Plan             | 31.3.1990              | 80419                     | 27610                          | 15904               | 29899                    | 1111569                            |
| 12    | 2 Annual plans       | 31.3.1992              | 101376                    | 27610                          | 18035               | 33505                    | 1273973                            |
| 13    | 8th Plan             | 31.3.1997              | 148024                    | 26829                          | 21036               | 39074                    | 1821239                            |
| 14    | 9th Plan *           | 31.3.2002              | 213803                    | 26829                          | 27849               | 41466                    | 2088759                            |
| 15    | 10th Plan (2002-03)  | 31.3.2003              | 242668                    | 26829                          | 30302               | 42739                    | 2257969                            |
| 16    | 10th Plan (2003-04)  | 31.3.2004              | 323033                    | 26829                          | 30557               | 46315                    | 2309605                            |
| 17    | 10th Plan (2004-05)  | 31.3.2005              | 405937                    | 26829                          | 31253               | 49298                    | 2374365                            |
| 18    | 10th Plan (2005-06)  | 31.3.2006              | 474959                    | 26877                          | 31593               | 51440                    | 2440823                            |
| 19    | 10th Plan (2006-07)  | 31.3.2007              | 519365                    | 26877                          | 31617               | 54042                    | 2527800                            |
| 20    | 11th plan (2007-08)  | 31.3.2008              | 580721                    | 26823                          | 31741               | 55572                    | 2599635                            |
| 21    | 11th plan (2008-09)  | 31.3.2009              | 672426                    | 26823                          | 31799               | 56156                    | 2680671                            |
| 22    | 11th plan (2009-10)  | 31.3.2010              | 737544                    | 26823                          | 31838               | 56239                    | 2769275                            |
| 23    | 11th plan (2010-11)  | 31.3.2011              | 811108                    | 26823                          | 31940               | 56340                    | 2909006                            |
| 24    | 11th plan (2011-12)  | 31.3.2012              | 894581                    | 26823                          | 32271               | 56408                    | 3061914                            |
| 25    | 12th plan (2012-13)  | 31.3.2013              | 971727                    | 26823                          | 32271               | 56408                    | 3203871                            |
| 26    | 12th plan (2013-14)  | 31.3.2014              | 1032863                   | 26823                          | 32271               | 56415                    | 3344637                            |
| 27    | 12 th plan (2014-15) | # 31.03.2015           | 621171                    | 16647                          | 28611               | 36309                    | 1509495                            |
| 28    | 12 th plan (2015-16) | 31.03.2016             | 635055                    | 16647                          | 28739               | 36312                    | 1581855                            |

\* As per 2001 Census

From 10th Plan onwards AGL pumpsets includes RESCO services

# Figures indicate for residual AP

## 2.4 PROGRESS UNDER FIVE YEAR PLANS : FIXED ASSETS AND REVENUE

(Rs. in Crores)

| S. No.                                   | Plan                 | As on      | Gross Block<br>Fixed Assets | Accumulated<br>Depreciation | Gross Revenue |
|------------------------------------------|----------------------|------------|-----------------------------|-----------------------------|---------------|
| 1                                        | Up to 1961           | 31.03.1961 | 27.95                       | -                           | 6.78          |
| 2                                        | 3rd Plan             | 31.3.1966  | 89.52                       | 15.78                       | 18.00         |
| 3                                        | 3 Annual Plans       | 31.3.1969  | 163.46                      | 29.37                       | 29.85         |
| 4                                        | 4th Plan             | 31.3.1974  | 281.23                      | 66.59                       | 56.70         |
| 5                                        | 5th Plan             | 31.3.1978  | 610.62                      | 470.59                      | 124.72        |
| 6                                        | 2 Annual Plans       | 31.3.1980  | 819.94                      | 185.76                      | 174.94        |
| 7                                        | 6th Plan             | 31.3.1985  | 1463.05                     | 323.59                      | 520.37        |
| 8                                        | 7th Plan             | 31.3.1990  | 2547.39                     | 708.53                      | 1015.98       |
| 9                                        | 2 Annual Plans       | 31.3.1992  | 6642.72                     | 1570.48                     | 2935.08       |
| 10                                       | 8th Plan             | 31.3.1997  | 6847.89                     | 2143.57                     | 4408.94       |
| 11                                       | 9th Plan             | 31.3.2002  | 7622.83                     | 2899.84                     | 8839.92       |
| 12                                       | 10th Plan (2002-03)  | 31.3.2003  | 8757.32                     | 3398.44                     | 10088.67      |
| 13                                       | 10th Plan (2003-04)  | 31.3.2004  | 9907.31                     | 3968.30                     | 10981.24      |
| 14                                       | 10th Plan (2004-05)  | 31.3.2005  | 11298.05                    | 4622.70                     | 11589.49      |
| 15                                       | 10th Plan (2005-06)  | 31.3.2006  | 13049.24                    | 5410.97                     | 12361.53      |
| 16                                       | 10th Plan (2006-07)  | 31.3.2007  | 14377.13                    | 6285.65                     | 13947.03      |
| 17                                       | 11th Plan (2007-08)  | 31.3.2008  | 16865.07                    | 7087.73                     | 16902.20      |
| 18                                       | 11th Plan (2008-09)  | 31.3.2009  | 18951.80                    | 8157.78                     | 23069.48      |
| 18                                       | 11th Plan (2009-10)  | 31.3.2010  | 21580.70                    | 9378.55                     | 24508.64      |
| 19                                       | 11th plan (2010-11)  | 31.3.2011  | 24173.95                    | 10749.05                    | 28188.55      |
| 20                                       | 11th plan (2011-12)  | 31.3.2012  | 26800.63                    | 12282.43                    | 34620.43      |
| 21                                       | 12th plan (2012-13)  | 31.3.2013  | 29999.95                    | 13957.33                    | 35847.47      |
| 22                                       | 12th plan (2013-14)  | 31.3.2014  | 33062.94                    | 15807.45                    | 39900.26      |
| 23                                       | 12 th plan (2014-15) | 31.03.2015 | 24929.92                    | 9640.16                     | 23899.00      |
| 24                                       | 12 th plan (2015-16) | 31.03.2016 | 30822.05                    | 10879.89                    | 24875.26      |
| * From 1999-2000 ,A.P.TRANSOCO + DISCOMS |                      |            |                             |                             |               |

## 2.5 OUTLAY ON POWER DEVELOPMENT IN A.P

(Rs. Crores)

| S.No. | Plan               | Period   | Transmission              | Distribution | Rural Electrification | Others @ | Board's Plan Expr. | Additionality | Outside Plan | Total Board Expr. | State Plan Expenditure | % of Board's Plan Expr. To State Expr. |
|-------|--------------------|----------|---------------------------|--------------|-----------------------|----------|--------------------|---------------|--------------|-------------------|------------------------|----------------------------------------|
| 1     | 1st Plan           | 1951-56  | ----- NOT AVAILABLE ----- |              |                       |          | 37.84              | -             | -            | 37.84             | 96.78                  | 39.10                                  |
| 2     | 2nd Plan           | 1956-61  | -                         | 17.78        | -                     | 0.21     | 17.99              | -             | -            | 17.99             | 188.60                 | 9.54                                   |
| 3     | 3rd Plan           | 1961-66  | 8.52                      | 21.81        | -                     | 0.40     | 30.73              | -             | -            | 30.73             | 352.42                 | 8.72                                   |
| 4     | Three Annual Plans | 1966-69  | 22.14                     | 19.21        | -                     | 0.91     | 42.26              | -             | -            | 42.26             | 234.06                 | 18.06                                  |
| 5     | 4th Plan           | 1969-74  | 13.44                     | 54.31        | -                     | 0.62     | 68.37              | -             | -            | 68.37             | 448.87                 | 15.23                                  |
| 6     | 5th Plan           | 1974-78  | 35.05                     | 51.92        | -                     | 0.47     | 87.44              | -             | -            | 87.44             | 1004.28                | 8.71                                   |
| 7     | Two Annual Plans   | 1978-80  | 40.02                     | 51.48        | -                     | 0.22     | 91.72              | -             | -            | 91.72             | 899.60                 | 10.20                                  |
| 8     | 6th Plan           | 1980-85  | 159.33                    | 82.40        | 104.62                | 0.91     | 347.26             | -             | 96.68        | 443.94            | 3237.07                | 10.73                                  |
| 9     | 7th Plan           | 1985-90  | 149.68                    | 220.44       | 71.95                 | 31.35    | 473.42             | 119.31        | 385          | 977.73            | 5976.60                | 7.92                                   |
| 10    | 2 Annual Plans     | 1990-92  | 112.73                    | 124.78       | 41.59                 | 48.97    | 328.07             | 242.45        | 217.18       | 787.70            | 3027.38                | 21.54                                  |
| 11    | 8th Plan           | 1992-97  | 278.17                    | 476.94       | 123.43                | 126.51   | 1005.05            | 1749.25       | 525.29       | 3279.59           | 13606.58               | 7.39                                   |
| 12    | 9th Plan           | 1997-02  | 1210.55                   | 958.57       | 108.57                | 313.06   | 2590.75            | 2215.01       | 257.21       | 5062.97           | 27790.75               | 10.22                                  |
| 13    | 10th Plan          | 2002-03  | 362.62                    | 983.54       |                       |          |                    |               |              | 1346.16           | --                     | --                                     |
| 14    | 10th Plan          | 2003-04  | 248.01                    | 1247.62      |                       |          |                    |               |              | 1495.63           | --                     | --                                     |
| 15    | 10th Plan          | 2004-05  | 415.38                    | 1301.79      |                       |          |                    |               |              | 1717.17           | --                     | --                                     |
| 16    | 10th Plan          | 2005-06  | 358.18                    | 1263.50      |                       |          |                    |               |              | 1621.68           | --                     | --                                     |
| 17    | 10th Plan          | 2006-07  | 499.46                    | 1515.18      |                       |          |                    |               |              | 2014.64           |                        |                                        |
| 18    | 10th Plan Total    | 2002-07  | 1883.65                   | 6311.63      |                       |          |                    |               |              | 8195.28           |                        |                                        |
| 19    | 11th Plan          | 2007-08  | 482.06                    | 1754.42      |                       |          |                    |               |              | 2236.48           |                        |                                        |
| 20    | 11th Plan          | 2008-09  | 555.91                    | 1872.75      |                       |          |                    |               |              | 2428.66           |                        |                                        |
| 21    | 11th Plan          | 2009-10  | 906.91                    | 1942.43      |                       |          |                    |               |              | 2849.34           |                        |                                        |
| 22    | 11th Plan          | 2010-11  | 1092.35                   | 1577.26      |                       |          |                    |               |              | 2669.61           |                        |                                        |
| 23    | 11th Plan          | 2011-12  | 1221.00                   | 2019.16      |                       |          |                    |               |              | 3240.16           |                        |                                        |
| 24    | 11th Plan Total    | 2007-201 | 4258.23                   | 9166.02      |                       |          |                    |               |              | 13424.25          |                        |                                        |
| 25    | 12th Plan          | 2012-13  | 1135.57                   | 2540.79      |                       |          |                    |               |              | 3676.36           |                        |                                        |
| 26    | 12th Plan          | 2013-14  | 1372.97                   |              |                       |          |                    |               |              |                   |                        |                                        |
| 27    | 12th Plan          | 2014-15  | 968.70                    |              |                       |          |                    |               |              |                   |                        |                                        |
| 28    | 12th Plan          | 2015-16  | 2148.45                   |              |                       |          |                    |               |              |                   |                        |                                        |

@ Others S&I and Cyclone Reconstruction expenditure, AP Energy Efficiency project, AP Hazard Mitigation, APLI

Note: Column (8) is sum of columns (4) to (7)

Column (11) is sum of columns (8) to (10)

Column (13) is ratio of column (11) to column (12) in percentage

✎ From 2000-01, GOAP's support through Annual Plans is limited to Tariff subsidy and EAP's

### **3. SIXTH AND SEVENTH FIVE YEAR PLANS**

### 3.1 ACHIEVEMENTS IN SIXTH FIVE YEAR PLAN - FINANCIAL

(Rs.in Crores)

| S.No.     | Category                                                     | VI Plan<br>Approved | 1980-81<br>Expenditure | 1981-82<br>Expenditure | 1982-83<br>Expenditure | 1983-84<br>Expenditure | 1984-85<br>Expenditure | Total<br>Expenditure |
|-----------|--------------------------------------------------------------|---------------------|------------------------|------------------------|------------------------|------------------------|------------------------|----------------------|
| A)        | <b>PLAN</b>                                                  |                     |                        |                        |                        |                        |                        |                      |
|           | <b>A.P.S.E.BOARD</b>                                         |                     |                        |                        |                        |                        |                        |                      |
|           | Generation                                                   | 230.00              | 42.18                  | 44.72                  | 31.03                  | 53.99                  | 78.15                  | 250.07               |
|           | Transmission                                                 | 240.00              | 31.93                  | 42.83                  | 35.81                  | 27.69                  | 21.07                  | 159.33               |
|           | ☆ 170.65                                                     |                     |                        |                        |                        |                        |                        |                      |
|           | Distribution                                                 | 90.38               | 10.58                  | 16.47                  | 17.77                  | 13.75                  | 23.83                  | 82.40                |
|           | Rural Electrification                                        | 130.00              | 29.32                  | 16.37                  | 29.31                  | 9.61                   | 20.01                  | 104.62               |
|           | Survey & Investigation                                       | 1.00                | 0.11                   | 0.19                   | 0.21                   | 0.20                   | 0.20                   | 0.91                 |
|           | <b>Total A.P.S.E.BOARD</b>                                   | <b>520.73</b>       | <b>114.12</b>          | <b>120.58</b>          | <b>114.13</b>          | <b>105.24</b>          | <b>143.26</b>          | <b>597.33</b>        |
| B)        | <b>GOVERNMENT</b>                                            |                     |                        |                        |                        |                        |                        |                      |
|           | Srisaillam Project                                           |                     |                        |                        |                        |                        |                        |                      |
|           | Stages - I & II                                              | 93.32               | 21.94                  | 29.18                  | 26.34                  | 38.00                  | 20.19                  | 135.65               |
|           | Payment to Orissa Government<br>towards A.P's share of       |                     |                        |                        |                        |                        |                        |                      |
|           | Balimela Dam Project                                         | 5.00                | 2.00                   | 3.00                   | --                     | --                     | --                     | 5.00                 |
|           | <b>Total GOVERNMENT</b>                                      | <b>98.32</b>        | <b>23.94</b>           | <b>32.18</b>           | <b>26.34</b>           | <b>38.00</b>           | <b>20.19</b>           | <b>140.65</b>        |
| <b>I</b>  | <b>TOTAL A+B (PLAN)</b>                                      | <b>619.05</b>       | <b>138.06</b>          | <b>152.76</b>          | <b>140.47</b>          | <b>143.24</b>          | <b>163.45</b>          | <b>737.98</b>        |
| <b>II</b> | <b>OUT SIDE PLAN</b>                                         |                     |                        |                        |                        |                        |                        |                      |
|           | Rural Electrification                                        |                     | 3.67                   | 15.53                  | 21.60                  | 25.80                  | 30.08                  | 96.68                |
|           | <b>Total Power Sector (PLAN +OUT<br/>SIDE PLAN) (I + II)</b> |                     | <b>141.73</b>          | <b>168.29</b>          | <b>162.07</b>          | <b>169.04</b>          | <b>193.53</b>          | <b>834.66</b>        |

☆ Rs. 170.65 Crore provision is excluding the amount provided for 400 KV system in VI Plan period which was executed by N.T.P.C.

### 3.2 ACHIEVEMENTS IN SIXTH FIVE YEAR PLAN - PHYSICAL

| S.No.     | Item                            | Unit | 1980-81       | 1981-82       | 1982-83       | 1983-84       | 1984-85       | Total         |
|-----------|---------------------------------|------|---------------|---------------|---------------|---------------|---------------|---------------|
| <b>1</b>  | <b>GENERATION</b>               |      |               |               |               |               |               |               |
| <b>I</b>  | <b>State Sector:</b>            |      |               |               |               |               |               |               |
|           | <b>Thermal</b>                  |      |               |               |               |               |               |               |
|           | Vijayawada-Unit-II              | MW   | 210           | --            | --            | --            | --            | 210           |
|           | Units Dismantled                | MW   |               |               |               |               |               |               |
|           | RTS-A Unit-I                    | MW   | --            | --            | -12.5         | --            | --            | -12.5         |
|           | RTS-A Units-II&III              | MW   | --            | --            | --            | --            | -25           | -25           |
|           | Hussian Sagar                   | MW   | --            | --            | --            | --            | -10           | -10           |
|           | Hyderabad Gas Turbines          | MW   | --            | --            | --            | --            | -20           | -20           |
|           | <b>Total Thermal</b>            | MW   | <b>210</b>    | <b>0</b>      | <b>-12.5</b>  | <b>0</b>      | <b>-55</b>    | <b>142.5</b>  |
|           | <b>Hydel</b>                    |      |               |               |               |               |               |               |
|           | Nagarjunasagar Unit - II & III  | MW   | 201.6         | --            | --            | --            | --            | 201.6         |
|           | Nagarjunasagar Unit - IV & V    | MW   | --            | --            | 201.6         | --            | --            | 201.6         |
|           | Nagarjunasagar Unit - VI & VII  | MW   | --            | --            | --            | --            | 201.6         | 201.6         |
|           | Donkarai                        | MW   | --            | --            | --            | 25            | --            | 25            |
|           | N'sagar Right Canal Unit - I    | MW   | --            | --            | 30            | --            | --            | 30            |
|           | N'sagar Right Canal Unit - II   | MW   | --            | --            | --            | 30            | --            | 30            |
|           | Srisaillam Unit - I & II        | MW   | --            | --            | 220           | --            | --            | 220           |
|           | Srisaillam Unit - III           | MW   | --            | --            | --            | 110           | --            | 110           |
|           | Srisaillam Unit - IV            | MW   | --            | --            | --            | --            | 110           | 110           |
|           | <b>Total Hydel</b>              | MW   | <b>201.6</b>  | <b>0</b>      | <b>451.6</b>  | <b>165</b>    | <b>311.6</b>  | <b>1129.8</b> |
|           | <b>Total State Sector</b>       | MW   | <b>411.6</b>  | <b>0</b>      | <b>439.1</b>  | <b>165</b>    | <b>256.6</b>  | <b>1272.3</b> |
| <b>II</b> | <b>Central Sector Share</b>     |      |               |               |               |               |               |               |
|           | Ramagundam STPS Unit - I        | MW   | --            | --            | --            | 54            | --            | 54            |
|           | Ramagundam STPS Unit - II & III | MW   | --            | --            | --            | --            | 108           | 108           |
|           | <b>Total Central Share</b>      | MW   | <b>0</b>      | <b>0</b>      | <b>0</b>      | <b>54</b>     | <b>108</b>    | <b>162</b>    |
|           | <b>Total Capacity Addition</b>  | MW   | <b>411.6</b>  | <b>0</b>      | <b>439.1</b>  | <b>219</b>    | <b>364.6</b>  | <b>1434.3</b> |
|           | <b>Installed Capacity</b>       | MW   | <b>2303.2</b> | <b>2303.2</b> | <b>2742.3</b> | <b>2961.3</b> | <b>3325.9</b> |               |

### 3.2 ACHIEVEMENTS IN SIXTH FIVE YEAR PLAN - PHYSICAL

| S.No     | Item                                   | Unit | 1980-81 | 1981-82     | 1982-83     | 1983-84 | 1984-85 | Total        |
|----------|----------------------------------------|------|---------|-------------|-------------|---------|---------|--------------|
| <b>2</b> | <b>GENERATION &amp; SALES</b>          |      |         |             |             |         |         |              |
| a) i)    | Units Generated                        | MU   | 7276    | 9077        | 10246       | 11001   | 12551   | 50151        |
| ii)      | Units Purchased                        | MU   | 102     | 40          | 29          | 183     | 851     | 1205         |
| iii)     | Gross Generation                       | MU   | 7378    | 9117        | 10275       | 11184   | 13402   | 51356        |
| b)       | Units Sold :                           |      |         |             |             |         |         |              |
| i)       | Within the State                       | MU   | 5110    | 6100        | 7107        | 7722    | 9239    | 35278        |
| ii)      | Export                                 | MU   | 282     | 479         | 314         | 551     | 873     | 2499         |
| <b>3</b> | <b>TRANSMISSION &amp; DISTRIBUTION</b> |      |         |             |             |         |         |              |
| a)       | 220 kV Sub-stations                    | No.  | --      | 1           | 1           | --      | 2       | 4            |
| b)       | 132kV Sub-stations \$                  | No.  | 6       | 6 (-1)(\$)  | 5 (-1)(\$)  | 4       | 3       | 24 (-2)(\$)  |
| c)       | 33kV Sub-stations                      | No.  | 31      | 23          | 25          | 24      | 124     | 227          |
|          | <b>Sub-Total (a+b+c)</b>               | No.  | 37      | 30 (-1)(\$) | 31 (-1)(\$) | 28      | 129     | 255 (-2)(\$) |
| d)       | 220 kV Lines                           | CKM  | 180     | 339         | 347         | --      | 298     | 1164         |
| e)       | 132 kV Lines                           | CKM  | 217     | 257         | 199         | 174     | 280     | 1127         |
| f)       | 33 kV Lines                            | CKM  | 469     | 554         | 868         | 543     | 1455    | 3889         |
| g)       | 11 kV Lines                            | KM   | 5047    | 3379        | 3554        | 4468    | 5512    | 21960        |
| h)       | L.T.Lines                              | KM   | 9747    | 9230        | 10538       | 9891    | 17232   | 56638        |
|          | <b>Sub-Total (d to h)</b>              | KM   | 15660   | 13759       | 15506       | 15076   | 24777   | 84778        |
| <b>4</b> | Distribution Transformers              | No.  | 2826    | 2631        | 2819        | 2622    | 3125    | 14023        |
| <b>5</b> | Services released                      | No.  | 185430  | 215388      | 291163      | 255801  | 330084  | 1277866      |
| <b>6</b> | <b>RURAL ELECTRIFICATION</b>           |      |         |             |             |         |         |              |
| a)       | Villages electrified                   | No.  | 1319    | 1436        | 1471        | 1000    | 1193    | 6419         |
| b)       | Hamlets electrified                    | No.  | 675     | 555         | 512         | 593     | 806     | 3141         |
| c)       | Pumpsets energised                     | No.  | 39522   | 50182       | 53302       | 46424   | 60561   | 249991       |
| d)       | Dalitwadass electrified                | No.  | 2075    | 2250        | 2639        | 1678    | 1578    | 10220        |
| e)       | Weaker section colonies electrified    | No.  | --      | --          | 319         | 209     | 290     | 818          |

\$ Chandrayanagutta (81-82) and Sullurpeta (1.5.82) 132 KV SSs are upgraded to 220 KV

### 3.3 ACHIEVEMENTS IN SEVENTH FIVE YEAR PLAN - F I N A N C I A L

| S.No.     | Head/ Sub-Head of Development                | Approved Outlay   | 1985-86       | 1986-87       | 1987-88       | 1988-89       | 1989-90       | Total Expen-       |
|-----------|----------------------------------------------|-------------------|---------------|---------------|---------------|---------------|---------------|--------------------|
|           |                                              | for 7th Five year | Expen-        | Expen-        | Expen-        | Expen-        | Expen-        | diture for the 7th |
|           |                                              | Plan (1985-90)    | diture        | diture        | diture        | diture        | diture        | Five year Plan     |
| <b>A.</b> | <b>A.P.S.E.BOARD</b>                         |                   |               |               |               |               |               |                    |
|           | 1. Generation                                | 431.24            | 73.95         | 81.80         | 109.30        | 131.17        | 122.30        | 518.52             |
|           | 2. Transmission                              | 294.80            | 27.11         | 28.97         | 28.40         | 28.56         | 36.64         | 149.68             |
|           | 3. Distribution                              | 221.10            | 33.74         | 45.72         | 44.34         | 45.87         | 50.77         | 220.44             |
|           | 4. Rural Electrification                     | 105.55            | 17.29         | 16.84         | 16.70         | 12.89         | 8.23          | 71.95              |
|           | 5. Survey & Investigation                    | 2.21              | 0.23          | 0.27          | 0.19          | 0.32          | 0.38          | 1.39               |
|           | <b>TOTAL APSEB PLAN</b>                      | <b>1054.90</b>    | <b>152.32</b> | <b>173.60</b> | <b>198.93</b> | <b>218.81</b> | <b>218.32</b> | <b>961.98</b>      |
| <b>B.</b> | <b>GOVERNMENT</b>                            |                   |               |               |               |               |               |                    |
|           | Srisailem Project                            | 50.00             | 8.50          | 15.19         | 13.63         | 14.90         | 10.04         | 62.26              |
| <b>C.</b> | <b>P.F.C Loan :</b>                          |                   |               |               |               |               |               |                    |
|           | a) Vijayawada TPS Stage-II                   | --                | --            | --            | --            | 60.00         | 30.00         | 90.00              |
|           | b) Transmission                              | --                | --            | --            | --            | 11.08         | 18.23         | 29.31              |
|           | <b>TOTAL P F C LOAN</b>                      | <b>--</b>         | <b>--</b>     | <b>--</b>     | <b>--</b>     | <b>71.08</b>  | <b>48.23</b>  | <b>119.31</b>      |
|           | <b>TOTAL POWER SECTOR (A+B+C)</b>            | <b>1104.90</b>    | <b>160.82</b> | <b>188.79</b> | <b>212.56</b> | <b>304.79</b> | <b>276.59</b> | <b>1143.55</b>     |
| <b>D.</b> | <b>OUTSIDE PLAN :</b>                        |                   |               |               |               |               |               |                    |
|           | a) Rural Electrification                     |                   | 45.58         | 71.68         | 75.64         | 86.04         | 86.59         | 365.53             |
|           | b) Distribution                              |                   | 3.41          | 2.45          | 0.28          | 9.73          | 3.60          | 19.47              |
| <b>E.</b> | <b>R &amp; M of K.T.P.S</b>                  |                   |               |               |               |               |               |                    |
|           | with Central Assistance                      |                   | 3.18          | 6.82          | 14.80         | 4.66          | 0.50          | 29.96              |
|           | <b>TOTAL CAPITAL EXPENDITURE (A+B+C+D+E)</b> | <b>1104.90</b>    | <b>212.99</b> | <b>269.74</b> | <b>303.28</b> | <b>405.22</b> | <b>367.28</b> | <b>1558.51</b>     |

### 3.4 ACHIEVEMENTS IN SEVENTH FIVE YEAR PLAN - PHYSICAL

| S.No. | I t e m                                                       | Unit | Target for 7th plan approved by Plg. Commission | 1985-86        | 1986-87        | 1987-88        | 1988-89        | 1989-90        | Total for 7th plan |
|-------|---------------------------------------------------------------|------|-------------------------------------------------|----------------|----------------|----------------|----------------|----------------|--------------------|
| I     | <b>State Sector</b>                                           |      |                                                 |                |                |                |                |                |                    |
| 1     | Nagarjunasagar Pumped Storage HES Stage-III (3rd unit 100 MW) | MW   | 100.80                                          | 100.80         | --             | --             | --             | --             | 100.80             |
| 2     | Srisailem HES Stage-II (3 x 110 MW)                           | MW   | 330.00                                          | 110.00         | 220.00         | --             | --             | --             | 330.00             |
| 3     | Pochampad HES (3 x 9 MW)                                      | MW   | 27.00                                           | --             | 9.00           | 18.00          | --             | --             | 27.00              |
| 4     | A.P.Power House at Balimela (2 x 30 MW)                       | MW   | 60.00                                           | --             | --             | --             | --             | --             | --                 |
| 5     | Penna Ahobilam HES (2 x 10 MW)                                | MW   | 20.00                                           | --             | --             | --             | --             | --             | --                 |
| 6     | Nagarjunasagar Right Canal HES - 3rd unit (30 MW)             | MW   | 30.00                                           | --             | --             | --             | --             | --             | --                 |
| 7     | Nagarjunasagar Left Canal HES (2 x 30 MW)                     | MW   | 60.00                                           | --             | --             | --             | --             | --             | --                 |
| 8     | Mini/Small Hydel Schemes (1.5 MW)                             | MW   | 1.50                                            | 0.22           | --             | 1.79           | --             | --             | 2.01               |
| 9     | Vijayawada TPS - Stage-II (1st unit 210 MW)                   | MW   | 210.00                                          | --             | --             | --             | --             | 210.00         | 210.00             |
|       | <b>Total State Sector</b>                                     | MW   | 839.30                                          | 211.02         | 229.00         | 19.79          | --             | 210.00         | 669.81             |
|       | <b>Central Sector Share</b>                                   |      |                                                 |                |                |                |                |                |                    |
| 1     | Ramagundam Unit - IV & V                                      | MW   |                                                 | --             | --             | --             | 278.00         | --             | 278.00             |
| 2     | Ramagundam Unit - VI                                          | MW   |                                                 | --             | --             | --             | --             | 140.00         | 140.00             |
| 3     | MAPP (Kalpakam)                                               | MW   |                                                 | 40.00          | --             | --             | --             | --             | 40.00              |
| 4     | Neyveli Stage II Unit - I                                     | MW   |                                                 | --             | 32.00          | --             | --             | --             | 32.00              |
| 5     | Neyveli Stage II Unit - II                                    | MW   |                                                 | --             | --             | 65.00          | --             | --             | 65.00              |
|       | <b>Total Central Share</b>                                    | MW   |                                                 | <b>40.00</b>   | <b>32.00</b>   | <b>65.00</b>   | <b>278.00</b>  | <b>140.00</b>  | <b>555.00</b>      |
|       | <b>Total Capacity Addition</b>                                | MW   |                                                 | <b>251.02</b>  | <b>261.00</b>  | <b>84.79</b>   | <b>278.00</b>  | <b>350.00</b>  | <b>1224.81</b>     |
|       | <b>Installed Capacity</b>                                     | MW   |                                                 | <b>3576.92</b> | <b>3837.92</b> | <b>3922.71</b> | <b>4200.71</b> | <b>4550.71</b> | <b>5775.52</b>     |

(Contd. ..)

### 3.4 ACHIEVEMENTS IN SEVENTH FIVE YEAR PLAN - PHYSICAL

| S.No.     | I t e m                                   | Unit | Target for 7th<br>plan approved by<br>Plg. Commission | 1985-86      | 1986-87      | 1987-88            | 1988-89            | 1989-90            | TOTAL               |
|-----------|-------------------------------------------|------|-------------------------------------------------------|--------------|--------------|--------------------|--------------------|--------------------|---------------------|
| <b>2</b>  | <b>GENERATION &amp; SALES</b>             |      |                                                       |              |              |                    |                    |                    |                     |
| a) i)     | Units Generated                           | MU   | --                                                    | 12225        | 13799        | 13850              | 14141              | 15024              | 69039               |
| ii)       | Units Purchased                           | MU   | --                                                    | 2236         | 2219         | 1847               | 2910               | 4047               | 13259               |
| iii)      | Gross Generation                          | MU   | --                                                    | 14461        | 16018        | 15697              | 17051              | 19071              | 82298               |
| <b>b)</b> | <b>Units Sold :</b>                       |      |                                                       |              |              |                    |                    |                    |                     |
| i)        | Within the State                          | MU   | --                                                    | 10321        | 11770        | 11678              | 13059              | 14435              | 61263               |
| ii)       | Export                                    | MU   | --                                                    | 538          | 301          | 214                | 146                | 193                | 1392                |
| <b>3</b>  | <b>TRANSMISSION &amp; DISTRIBUTION</b>    |      |                                                       |              |              |                    |                    |                    |                     |
| a)        | 220 kV Sub-stations                       | No.  | 9                                                     | 2            | --           | 2                  | 2                  | 4                  | 10                  |
| b)        | 132 kV Sub-stations \$                    | No.  | 31                                                    | 9            | 16           | 11 (-2)(\$)        | 2 (-3)(\$)         | 12 (-3)(\$)        | 50 (-8)(\$)         |
| c)        | 33 kV Sub-stations                        | No.  | 294                                                   | 63           | 109          | 74                 | 47                 | 57                 | 350                 |
|           | <b>Sub-Total (a+b+c)</b>                  | No.  | <b>334</b>                                            | <b>74</b>    | <b>125</b>   | <b>87 (-2)(\$)</b> | <b>51 (-3)(\$)</b> | <b>73 (-3)(\$)</b> | <b>410 (-8)(\$)</b> |
| d)        | 220 kV Lines                              | Ckm  | 1049                                                  | 215          | 211          | 237                | 273                | 249                | 1185                |
| e)        | 132 kV Lines                              | Ckm  | 1458                                                  | 601          | 547          | 290                | 236                | 266                | 1940                |
| f)        | 33 kV Lines                               | Km   |                                                       | 855          | 1532         | 786                | 853                | 700                | 4726                |
| g)        | 11 kV Lines                               | Km   |                                                       | 6609         | 5384         | 6589               | 6881               | 6500               | 31963               |
| h)        | L.T.Lines                                 | Km   |                                                       | 19148        | 19120        | 24159              | 19866              | 19500              | 101793              |
|           | <b>Sub-Total (d-to-h)</b>                 | Km   |                                                       | <b>27428</b> | <b>26794</b> | <b>32061</b>       | <b>28109</b>       | <b>27215</b>       | <b>141607</b>       |
| <b>4</b>  | Distribution Transformers                 | No.  |                                                       | 5106         | 5638         | 6699               | 7516               | 6650               | 31609               |
| <b>5</b>  | Services released (excluding Agriculture) | No.  | 1550000                                               | 242840       | 443285       | 416654             | 612406             | 437657             | 2152842             |
| <b>6</b>  | <b>RURAL ELECTRIFICATION</b>              |      |                                                       |              |              |                    |                    |                    |                     |
| a)        | Villages electrified                      | No.  | 4367                                                  | 826          | 905          | 1076               | 1250               | 391                | 4448                |
| b) i)     | Pumpsets energised                        | No.  | 350000                                                | 82257        | 89369        | 110954             | 94529              | 71446              | 448555              |
| ii)       | Pumbsets Energised by R.E.S.Co-op.        | No.  |                                                       | 6455         | 5439         | 6281               | 5197               | 3641               | 27013               |
| c)        | Hamlets electrified                       | No.  | 9500                                                  | 1454         | 1666         | 842                | 1428               | 802                | 6192                |
| d)        | Dalitwadadas electrified                  | No.  |                                                       | 1694         | 1777         | 1016               | 1103               | 1679               | 7269                |
| e)        | Weaker section colonies electrified       | No.  |                                                       | 383          | 808          | 636                | 973                | 1037               | 3837                |

\$ Miryalaguda and Yeddumailaram (87-88), A.P.Carbides and Paloncha (88-89) and Bhimadole, Ramagundam & Warangal(89-90) 132 KV SSs are upgraded to 220kV . Also old 132kV Garividi SS is sold out in 1988-89.

**4. ANNUAL PLANS 1990-91 & 1991-92 AND  
EIGHTH FIVE YEAR PLAN (1992-97)**

| 4.1 ANNUAL PLAN 1990-91 |                                                   |                                         |                    |
|-------------------------|---------------------------------------------------|-----------------------------------------|--------------------|
|                         |                                                   |                                         | (Rs.in Lakhs)      |
| Sl. No.                 | Name of the Scheme                                | Approved by Planning Commission in 3/91 | Actual Expenditure |
| <b>I.</b>               | <b>GENERATION</b>                                 |                                         |                    |
| <b>a)</b>               | <b>CONTINUING SCHEMES :</b>                       |                                         |                    |
| 1                       | Srisaillam HES Stage-II (3 x 110 MW)              | 0.24                                    | 28.13              |
| 2                       | Nagarjunasagar Pumped Storage HES (3 x 100 MW)    | 0.72                                    | 50.36              |
| 3                       | Pochampad H.E.S. (3 x 9 MW)                       | 0.04                                    | 4.74               |
| 4                       | Nagarjunasagar Right Canal HES (3rd unit - 30 MW) | 0.61                                    | 58.00              |
| 5                       | V.T.P.S. Stage-II (2 x 210 MW)                    | 56.5                                    | 3577.06            |
| 6                       | Nagarjunasagar Left Canal HES (2 x 30 MW)         | 4                                       | 561.45             |
| 7                       | Penna Ahobilam HES (2 x 10 MW)                    | 0.8                                     | 124.95             |
| 8                       | Upper Sileru HES Stage-II (2 x 60 MW)             | 5.65                                    | 1022.15            |
| 9                       | Srisaillam Left Bank HES (6 x 150 MW)             | 22                                      | 2447.6             |
| 10                      | A.P.Power House at Balimela (2 x 30 MW)           | 0.1                                     | -50.72             |
| 11                      | Mini Hydel Schemes                                | 2                                       | 138.43             |
| 12                      | Rayalaseema TPP Stage-I (2 x 210 MW)              | 60                                      | 6401.51            |
| 13                      | Vijayawada TPS Stage-III (2 x 210 MW)             | 34.5                                    | 4028.88            |
| 14                      | Gas Based TPS at Vijjeswaram (3 x 33.6MW)         | 1                                       | 100.00             |
| 15                      | Vijayawada T.P.S. Stage-I(2x210 MW)               | --                                      | -107.67            |
| 16                      | Srisaillam HES - Stage-I (4 X 110 MW )            |                                         | 0.19               |
| <b>b)</b>               | <b>NEW SCHEMES :</b>                              |                                         |                    |
|                         | Singur HES (2 x 7.5 MW)                           |                                         |                    |
|                         | Total Generation                                  | 188.16                                  | 18385.06           |
| <b>II.</b>              | <b>UPRATING / R &amp; M SCHEMES</b>               |                                         |                    |
|                         | Thermal Projects                                  | 6.39                                    |                    |
| 1                       | KothagudemTPS-1st Phase                           |                                         | 578.58             |
| 2                       | KothagudemTPS-2nd Phase                           |                                         |                    |
| 3                       | Ramagundam TPS- 'B'Station                        |                                         | -2.95              |
| 4                       | Nellore TPS                                       |                                         | 94.85              |
|                         | Total for R & M                                   |                                         | 670.48             |
| <b>III.</b>             | <b>TRANSMISSION</b>                               | 72                                      | 7725.98            |
| <b>IV.</b>              | <b>DISTRIBUTION &amp; SYSTEM IMPROVEMENTS</b>     | 78                                      | 6548.44            |
| <b>V.</b>               | <b>RURAL ELECTRIFICATION</b>                      | 16                                      | 1629.88            |
| <b>VI.</b>              | <b>SURVEY &amp; INVESTIGATION</b>                 | 0.76                                    | 59.16              |
| <b>A</b>                | <b>TOTAL PLAN (I TO VI)</b>                       | 361.31                                  | 35019.00           |
| <b>B</b>                | <b>Cyclone Reconstruction Project</b>             |                                         | 67.00              |
|                         | <b>GRAND TOTAL PLAN (A+B)</b>                     |                                         | 35086.00           |
|                         | <b>OUTSIDE PLAN</b>                               |                                         | 10858.33           |
|                         | <b>TOTAL (PLAN + OUTSIDE PLAN)</b>                |                                         | 45944.33           |
| ✧                       | Includes PFC Loan received in 1990-91             |                                         |                    |
| 1                       | Upper Sileru HES Stage-II                         |                                         | 360.00             |
| 2                       | Rayalaseema TPP Stage-I                           |                                         | 4109.00            |
| 3                       | Transmission                                      |                                         | 3775.00            |
| 4                       | Distribution & System Improvements                |                                         | 130.00             |
|                         | <b>TOTAL</b>                                      |                                         | <b>8374.00</b>     |

| 4.2 TARGETS AND ACHIEVEMENTS IN ANNUAL PLANS 1990-91 & 91-92                |                                                                                     |           |           |                |  |           |             |                |
|-----------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-----------|-----------|----------------|--|-----------|-------------|----------------|
| S.No.                                                                       | Particulars                                                                         | Units     | PHYSICAL  |                |  |           |             |                |
|                                                                             |                                                                                     |           | 1990 - 91 |                |  | 1991 - 92 |             |                |
|                                                                             |                                                                                     |           | Targets   | Achievement    |  | Targets   | Achievement |                |
| 1                                                                           | Installed Capacity                                                                  |           |           |                |  |           |             |                |
| I                                                                           | State Sector:                                                                       |           |           |                |  |           |             |                |
| A                                                                           | Thermal                                                                             |           |           |                |  |           |             |                |
|                                                                             | Vijayawada Unit-IV                                                                  | MW        |           | 210            |  |           |             | --             |
|                                                                             | Total Thermal                                                                       | MW        |           | 210            |  |           |             | --             |
| B                                                                           | Hydel                                                                               |           |           |                |  |           |             |                |
|                                                                             | N'Sagar Right canal Unit - III                                                      | MW        |           | 30             |  |           |             | --             |
|                                                                             | Mini Hydel                                                                          | MW        |           | --             |  |           |             | 1              |
|                                                                             | Total Hydel                                                                         | MW        |           | 30             |  |           |             | 1              |
|                                                                             | <b>Total State Sector</b>                                                           | <b>MW</b> |           | <b>240</b>     |  |           |             | <b>1</b>       |
| II                                                                          | Joint Sector                                                                        |           |           |                |  |           |             |                |
|                                                                             | Vijjeswaram (Gas) Unit - I & II                                                     | MW        |           | 66             |  |           |             | --             |
|                                                                             | Vijjeswaram (Gas) Unit - III                                                        |           |           | --             |  |           |             | 34             |
|                                                                             | <b>Total Joint Sector</b>                                                           | <b>MW</b> |           | <b>66</b>      |  |           |             | <b>34</b>      |
|                                                                             | Total (I+II)                                                                        | MW        | 306       | 306            |  | 34        |             | 35             |
| III                                                                         | Central Sector:                                                                     |           |           |                |  |           |             |                |
|                                                                             | Neyveli IInd Mine Cut Unit - I&II                                                   | MW        |           | 45             |  |           |             | 45             |
|                                                                             | Total Central Sector                                                                | MW        |           | 45             |  |           |             | 45             |
|                                                                             | Total Capacity Addition                                                             | MW        |           | 351            |  |           |             | 80             |
|                                                                             | <b>Installed Capacity</b>                                                           | <b>MW</b> |           | <b>4901.71</b> |  |           |             | <b>4981.71</b> |
| 2.                                                                          | a) Generation                                                                       | MU        | 17094     | 18119          |  | 18065     |             | 18242          |
|                                                                             | b) Purchases                                                                        | MU        | 3841      | 2984           |  | 4540      |             | 5010           |
|                                                                             | c) Gross Generation                                                                 | MU        | 20935     | 21103          |  | 22605     |             | 23252          |
| 3.                                                                          | Units Sold                                                                          |           |           |                |  |           |             |                |
|                                                                             | a) Within the State                                                                 | MU        | 16223     | 16093          |  | 17491     |             | 17760          |
|                                                                             | b) Export                                                                           | MU        |           | 161            |  |           |             | 182            |
| 4.                                                                          | 220 kV Sub-stations                                                                 | Nos.      | 8         | 2              |  | 8         |             | 6              |
| 5.                                                                          | 132 kV Sub-stations (\$)                                                            | Nos.      | 13        | 7(-1)          |  | 15        | 12          | (-1)           |
| 6                                                                           | 33 kV Sub-stations                                                                  | Nos.      | 40        | 43             |  | 42        |             | 76             |
| 7                                                                           | 220 kV Lines                                                                        | Ckm.      | 587       | 202            |  | 349       |             | 391            |
| 8                                                                           | 132 kV Lines                                                                        | Ckm.      | 1033      | 224            |  | 1033      |             | 813            |
| 7.                                                                          | 66 KV Lines                                                                         | Ckm.      |           |                |  |           |             |                |
| 8.                                                                          | 33 KV Lines                                                                         | Ckm.      |           |                |  |           |             |                |
| 7.                                                                          | 11 KV Lines                                                                         | Ckm.      |           |                |  |           |             |                |
| 8.                                                                          | L.T Lines                                                                           | Ckm.      |           |                |  |           |             |                |
| 9                                                                           | Services other than Agriculture                                                     | Nos.      | 222620    | 343706         |  | 400000    |             | 471557         |
| 10                                                                          | Villages already electrified with Solar Panels for conversion to Conventional lines | Nos.      | 250       | 259            |  | 250       |             | 154            |
| 11                                                                          | Agricultural Pumpsets                                                               | Nos.      | 75000     | 81794          |  | 55000     |             | 80609          |
| 12                                                                          | Hamlets Electrified                                                                 | Nos.      | 500       | 673            |  | 750       |             | 822            |
| 13                                                                          | Dalit wadas electrified                                                             | Nos.      | 1250      | 2196           |  | 1250      |             | 1410           |
| 14                                                                          | Weaker Section Colonies electrified                                                 | Nos.      | 750       | 610            |  | 1000      |             | 1113           |
| \$ Garividi (90-91) and Kalikiri (91-92) 132 KV SSs are upgraded to 220 KV. |                                                                                     |           |           |                |  |           |             |                |

| 4.3 ANNUAL PLAN : 1991 - 92 |                                              |          |                 |                  |                    |
|-----------------------------|----------------------------------------------|----------|-----------------|------------------|--------------------|
| S.No.                       | Name of the Scheme                           | Capacity | PLAN            | PROVISION        | Rs. in lakhs       |
|                             |                                              | MW       | Budget Estimate | Revised Estimate | Actual Expenditure |
| <b>A.</b>                   | <b>NORMAL PLAN</b>                           |          |                 |                  |                    |
| <b>1.</b>                   | <b>Generation</b>                            |          |                 |                  |                    |
| <b>a)</b>                   | <b>Continuing Schemes</b>                    |          |                 |                  |                    |
| 1                           | Srisailem HES Stage - II                     | 3x110    | 60              | 10               | 29                 |
| 2                           | Nagarjunasagar Pumped Storage HES Stage - II | 3x100    | 25              | 6                | 33                 |
| 3                           | Pochampad HES (3 x 9 MW)                     | 3x9      | 35              | 5                | 3                  |
| 4                           | Nagarjunasagar Left Canal HES                | 2x30     | 473             | 442              | 374                |
| 5                           | Nagarjunasagar Right Canal HES               | 30       | 80              | 150              | 32                 |
| 6                           | Penna Ahobilam HES                           | 2x10     | 150             | 77               | 151                |
| 7                           | A.P. Power House at Balimela                 | 2x30     | 250             | 30               | -3                 |
| 8                           | Upper Sileru HES Stage - II                  | 2x60     | 1350            | 400              | 336                |
| 9                           | Srisailem Left Bank HES                      |          | 4500            | 5500             | 6097               |
| 10                          | Mini/ Small Hydel Schemes                    |          | 200             | 400              | 502                |
| 11                          | Vijayawada TPS Stage-II                      | 2x210    | 200             | 1400             | 788                |
| 12                          | Rayalaseema TPP                              | 2x210    | 8000            | 8000             | 8016               |
|                             | (P F C)                                      |          |                 |                  | 5115               |
| 13                          | Vijayawada TPS - Stage III                   | 2x210    | 2000            | 2000             | 5021               |
|                             | (P F C)                                      |          |                 |                  | 6000               |
| 14                          | Vijayawada TPS Stage - I                     |          | --              | --               | -2                 |
| 15                          | Donkarai Power House                         |          | --              | --               | -10                |
|                             | <b>Sub - Total (a)</b>                       |          | <b>17323</b>    | <b>18420</b>     | <b>21367</b>       |
|                             | <b>(P F C)</b>                               |          |                 |                  | <b>11115</b>       |
| <b>b)</b>                   | <b>New Schemes</b>                           |          |                 |                  |                    |
| 1                           | Singur HES                                   | 2x7.5    | 100             | 12               | 5                  |
|                             | Sub - Total (b)                              |          |                 |                  | 5                  |
| <b>c)</b>                   | <b>Renovation Schemes</b>                    |          |                 |                  |                    |
| 1                           | Kothagudem TPS - 1st Phase                   |          | 180             | 125              | --                 |
|                             | (P F C)                                      |          |                 |                  | 284.00             |
| 2                           | Kothagudem TPS - 2nd Phase                   |          | 604             |                  | --                 |
| 3                           | Ramagundam TPS - 'B' Station                 |          | ---             |                  | 21                 |
| 4                           | Nellore TPS                                  |          | 200             | 125              | 68                 |
|                             | (P F C)                                      |          |                 |                  | 4                  |
|                             | Sub - Total (c)                              |          | 984             | 125              | 89                 |
|                             | (P F C)                                      |          |                 |                  | 288                |
| I.                          | Total Generation (a+b+c)                     |          | 18407           | 18557            | 21461              |
|                             | (P F C)                                      |          |                 |                  | 11403              |
| II.                         | Transmission                                 |          | 7000            | 7500             | 7322               |
|                             | (P F C)                                      |          |                 |                  | 3468               |
| III.                        | Distribution & System Improvements           |          | 9000            | 8000             | 6060               |
|                             | (P F C)                                      |          |                 |                  | 1000               |
| IV.                         | Rural Electrification                        |          | 2450            | 3129             | 2529               |
| V.                          | Survey and Investigation                     |          | 81              | 53               | 62                 |
| A.                          | Total Plan (I to V)                          |          | 36938           | 37239            | 37434              |
|                             | (P F C)                                      |          |                 |                  | 15871              |
| B.                          | Cyclone Reconstruction Project               |          | 2093            | 2093             | 3949               |
|                             | <b>TOTAL PLAN (A+B)</b>                      |          | <b>39031</b>    | <b>39332</b>     | <b>41383</b>       |
| C.                          | Additionality (PFC)                          |          |                 |                  | 15871              |
| D.                          | OUTSIDE PLAN                                 |          |                 |                  | 10860              |
|                             | <b>Total A+B+C+D</b>                         |          | <b>39031</b>    | <b>39332</b>     | <b>68114</b>       |

#### 4.4 ACHIEVEMENTS IN EIGHTH FIVE YEAR PLAN-FINANCIAL (1992-93 TO 1996-97)

|           |                                                           |                            |                    |         |         |         |         | Rupees in lakhs. |
|-----------|-----------------------------------------------------------|----------------------------|--------------------|---------|---------|---------|---------|------------------|
| Sl.No     | Scheme                                                    | Eighth Plan<br>(Provision) | Actual Expenditure |         |         |         |         | Total            |
|           |                                                           |                            | 1992-93            | 1993-94 | 1994-95 | 1995-96 | 1996-97 |                  |
| <b>a)</b> | <b>NORMAL PLAN</b>                                        |                            |                    |         |         |         |         |                  |
| <b>I</b>  | <b>GENERATION</b>                                         |                            |                    |         |         |         |         |                  |
|           | <b>ON-GOING SCHEMES</b>                                   |                            |                    |         |         |         |         |                  |
| 1.        | Srisaillam Stage-II (3x110 MW).                           | 20                         | 72                 | 15      | --      | --      | --      | 87               |
| 2.        | Nagarjunasagar Pumped Storage HES - Stage -II (3 x 100MW) | 35                         | 28                 | 54      | 11      | 22      | 1       | 116              |
| 3.        | Pochampad HES (3x9 MW).                                   | --                         | --                 | 1       | --      | --      | --      | 1                |
| 4.        | Nagarjunasagar Right Canal HES -3rd Unit (30 MW) (EAP)    | 67                         | 68                 | 30      | 8       | 4       | 1       | 111              |
| 5.        | Nagarjunasagar Left Canal HES - (2x30 MW) (EAP)           | 356                        | 403                | 31      | 7       | --      | --      | 441              |
| 6.        | Penna Ahobilam HES (2x10 MW)                              | 238                        | 133                | 144     | 90      | 45      | 38      | 450              |
| 7.        | A.P.Power House at Balimela (2x30 MW)                     | 500                        | 8                  | --      | --      | --      | --      | 8                |
| 8.        | Upper Sileru HES Stage-II (2 x 60 MW)                     | 2572                       | 1434               | 1064    | 36      | 311     | 118     | 2963             |
|           |                                                           |                            |                    |         | 300     |         |         | 300              |
| 9.        | Srisaillam Left Bank HES (6x150 MW) (EAP)                 | 72950                      | 3098               | 4143    | 27276   | 45069   | 34744   | 114330           |
|           |                                                           |                            |                    |         | 8184    |         |         | 8184             |
| 10.       | Singur HES (2x7.5 MW).                                    | 2429                       | 392                | 130     | 85      | 753     | 119     | 1479             |
|           |                                                           |                            |                    |         | 777     | 111     | +3.00   | 891              |
| 11.       | Mini/ Small Hydel Scheme                                  | 787                        | 393                | 177     | 127     | 117     | 4       | 818              |
| 12.       | Kothagudem TPS Stage-V (2 x 210 MW)                       |                            | 6505               | 1681    | 800     | 9939    | 2000    | 20925            |
|           |                                                           |                            |                    |         | 3091    | 38962   | 21605   | 63658            |
| 13.       | Vijayawada TPS-Stage-II (2x210 MW)                        | 850                        | 851                | 249     | 180     | 70      | 16      | 1366             |
| 14.       | Rayalaseema TPS Stage-I (2 x 210 MW)                      | 39704                      | 15839              | 19032   | 7500    | 3970    | 13183   | 59524            |
|           |                                                           |                            | 3147               |         | 3035    |         |         | 6182             |
| 15.       | Vijayawada TPS Stage-III (2 x 210 MW)                     | 35491                      | 5550               | 6403    | 4000    | 2695    | 550     | 19198            |
|           |                                                           |                            | 10271              | 16169   | 11990   |         | 116     | 38546            |
|           | <b>Sub Total (On going Schemes)</b>                       | 155999                     | 37921              | 33154   | 55507   | 102068  | 72379   | 301032           |
|           |                                                           |                            | 13418              | 16169   | 27377   | 39073   | 21724   | 117761           |
|           |                                                           |                            |                    |         |         |         |         | <b>(Contd.,)</b> |

| 4.4 ACHIEVEMENTS IN EIGHTH FIVE YEAR PLAN-FINANCIAL (1992-93 TO 1996-97) |                                                                 |                       |                    |           |           |           |                  |            |       |
|--------------------------------------------------------------------------|-----------------------------------------------------------------|-----------------------|--------------------|-----------|-----------|-----------|------------------|------------|-------|
|                                                                          |                                                                 |                       |                    |           |           |           | Rupees in lakhs. |            |       |
| Sl.No.                                                                   | Scheme                                                          | Eighth Plan Provision | Actual Expenditure |           |           |           |                  | Total      |       |
|                                                                          |                                                                 |                       | 1992-93            | 1993-94   | 1994-95   | 1995-96   | 1996-97          |            |       |
| NEW SCHEMES :                                                            |                                                                 |                       |                    |           |           |           |                  |            |       |
| 16.                                                                      | Visakhapatnam TPS (2 x 500 MW) Stage -I                         | 3149.00               | 25.00              | 315.00    | 51.00     | --        | --               | 391.00     |       |
| 17.                                                                      | Krishnapatnam TPS (2 x 250 MW)                                  |                       | 10.00              | 127.00    | --        | 727.00    | 14.00            | 878.00     |       |
|                                                                          |                                                                 |                       |                    |           |           | +12.00    | +128.00          | +140.00    |       |
| 18.                                                                      | Ramagundam TPS Extension (2x210 MW)                             |                       | --                 | --        | --        | 0.00      | --               | 0.00       |       |
|                                                                          |                                                                 |                       |                    |           |           | +1.00     | --               | +1.00      |       |
| 19.                                                                      | Jurala HES (6x36.9 MW) A.P Share 50%                            |                       | 11.00              | 8.00      | 11.00     | 13.00     | 18.00            | 61.00      |       |
| 20.                                                                      | Gas Based TPS at Jegurupadu near Rajahmundry Stage -I (400 MW). |                       | --                 | --        | 400.00    | --        | --               | 400.00     |       |
| 21.                                                                      | Wind Format Ramagiri                                            |                       | --                 | 121.00    | 415.00    | 1.00      | --               | 537.00     |       |
| 22.                                                                      | Hydro Metro Project (650 MW)                                    | --                    | --                 | --        | --        | 423.00    | 423.00           |            |       |
| SUB-TOTAL (NEW SCHEMES)                                                  |                                                                 | 3149.00               | 46.00              | 571.00    | 877.00    | 741.00    | 455.00           | 2690.00    |       |
|                                                                          |                                                                 |                       |                    |           |           | +13.00    | +128.00          | +141.00    |       |
| SUB-TOTAL - I (GENERATION)                                               |                                                                 | 159148.00             | 34820.00           | 33725.00  | 40997.00  | 63736.00  | 51229.00         | 224507.00  |       |
|                                                                          |                                                                 | 41500.00              | +13418.00          | +16169.00 | +27377.00 | +39086.00 | +21852.00        | +117902.00 |       |
| II                                                                       | R & M SCHEMES :                                                 |                       |                    |           |           |           |                  |            |       |
| THERMAL PROJECTS :                                                       |                                                                 |                       |                    |           |           |           |                  |            |       |
| 1                                                                        | Kothagudem TPS-Phase-I.                                         | 3867.00<br>+9023.00   | 50.00              | 55.00     | --        | --        | --               | 105.00     |       |
| 2                                                                        | Kothagudem TPS-Phase-II.                                        |                       | 251.00             | 25.00     | 9.00      | 23.00     | --               | 308.00     |       |
|                                                                          |                                                                 |                       | +519.00            | +136.00   | +35.00    |           |                  | +690.00    |       |
| 3                                                                        | KTPS 'A' life extn.                                             |                       | --                 | --        | --        | --        | --               | --         |       |
| 4                                                                        | Programme                                                       |                       |                    |           |           |           | +1901.00         | +1901.00   |       |
| 5                                                                        | Ramagundam TPS-B Station                                        |                       | 4.00               | --        | 3.00      | 8.00      | 5.00             | 20.00      |       |
|                                                                          |                                                                 |                       |                    |           | +1.00     |           |                  | +1.00      |       |
| 6                                                                        | Nellore TPS.                                                    |                       | 69.00              | 20.00     | 3.00      | --        | --               | 92.00      |       |
|                                                                          |                                                                 |                       |                    |           | +12.00    |           |                  | +2.00      | +3.00 |
| HYDEL PROJECTS :                                                         |                                                                 |                       |                    |           |           |           |                  |            |       |
| 1                                                                        | Machkund.                                                       |                       |                    | --        | --        | --        | --               | --         | --    |
| 2                                                                        | Nizamsagar                                                      |                       |                    | --        | --        | --        | --               | --         | --    |
| 3                                                                        | Srisailam.                                                      |                       | --                 | 0.00      | 103.00    | 0.00      | --               | 103.00     |       |
|                                                                          |                                                                 |                       |                    | +77.00    |           | +48.00    |                  | +125.00    |       |
| 4                                                                        | Lower Sileru.                                                   |                       | --                 | --        | 40.00     | 16.00     | --               | 56.00      |       |
| SUB-TOTAL - II (R & M)                                                   |                                                                 | 3867.00               | 374.00             | 100.00    | 158.00    | 47.00     | 5.00             | 684.00     |       |
|                                                                          |                                                                 | 9023.00               | +531.00            | +215.00   | +39.00    | +48.00    | +1901.00         | +2734.00   |       |
|                                                                          |                                                                 |                       |                    |           |           |           |                  | (Contd.,)  |       |

#### 4.4 ACHIEVEMENTS IN EIGHTH FIVE YEAR PLAN-FINANCIAL (1992-93 TO 1996-97)

|        |                                                  |             |                    |           |           |           |           | Rupees in lakhs. |
|--------|--------------------------------------------------|-------------|--------------------|-----------|-----------|-----------|-----------|------------------|
| Sl.No. | Scheme                                           | Eighth Plan | Actual Expenditure |           |           |           |           | Total            |
|        |                                                  | Provision   | 1992-93            | 1993-94   | 1994-95   | 1995-96   | 1996-97   |                  |
| III    | TRANSMISSION.                                    | 45000.00    | 8397.00            | 5593.00   | 4580.00   | 5931.00   | 3316.00   | 27817.00         |
|        |                                                  | +15000.00   | +5888.00           | +6741.00  | +9574.00  | +4026.00  | +2780.00  | +29009.00        |
| IV     | DISTRIBUTION AND SYSTEM IMPROVEMENT              | 65000.00    | 11341.00           | 12491.00  | 9000.00   | 7135.00   | 7727.00   | 47694.00         |
|        |                                                  | +10000.00   | +915.00            | +2809.00  | +13699.00 | +2655.00  | +5202.00  | +25280.00        |
| V      | RURAL ELECTRIFICATION.                           | 11000.00    | 2100.00            | 1632.00   | 3000.00   | 2988.00   | 2623.00   | 12343.00         |
| VI     | SURVEY AND INVESTIGATION                         | 500.00      | 75.00              | 89.00     | 110.00    | 111.00    | 68.00     | 453.00           |
| a)     | SUB-TOTAL I to VI (Plan) (I TO VI)               | 284515.00   | 57107.00           | 53630.00  | 57845.00  | 79948.00  | 64968.00  | 313498.00        |
|        | SUB-TOTAL I to VI (Additionalily)                | 75523.00    | +20752.00          | +25934.00 | +50689.00 | +45815.00 | +31735.00 | +174925.00       |
|        | SUB-TOTAL I to VI                                | 360038.00   | 77859.00           | 79564.00  | 108534.00 | 125763.00 | 96703.00  | 488423.00        |
| b)     | Cyclone Emergency Reconstruction Project (CERP). | 14047.00    | 6262.00            | 6389.00   | --        | --        | --        | 12651.00         |
| c)     | OUT SIDE PLAN                                    |             | 7541.00            | 15606.00  | 13151.00  | 11128.00  | 5103.00   | 52529.00         |
|        | Grand Total                                      | 374085.00   | 91662.00           | 101559.00 | 121685.00 | 136891.00 | 101806.00 | 553603.00        |
|        |                                                  |             |                    |           |           |           |           |                  |

| 4.5 ACHIEVEMENTS IN EIGHTH FIVE YEAR PLAN - PHYSICAL |                                  |      |            |         |         |         |         |         |                    |
|------------------------------------------------------|----------------------------------|------|------------|---------|---------|---------|---------|---------|--------------------|
|                                                      |                                  |      |            |         |         |         |         |         |                    |
| S.No.                                                | Name of the Project (District)   |      | Proposed   |         |         |         |         |         | Total for 8th Plan |
|                                                      |                                  | Unit | target for | 1992-93 | 1993-94 | 1994-95 | 1995-96 | 1996-97 |                    |
|                                                      |                                  |      | 8th plan   |         |         |         |         |         |                    |
| I                                                    | Generation                       |      |            |         |         |         |         |         |                    |
|                                                      | State Sector                     |      |            |         |         |         |         |         |                    |
| a)                                                   | Thermal:                         |      |            |         |         |         |         |         |                    |
|                                                      | Rayalaseema TPS Stage I          | MW   |            | -       | 210     | 210     | -       | -       | 420                |
|                                                      | Vijayawada TPS Stage III         | MW   |            | -       | 210     | 210     | -       | -       | 420                |
|                                                      | Kothagudem TPS Stage V           | MW   |            | -       | -       | -       | -       | 250     | 250                |
|                                                      | Total Thermal                    | MW   |            | 0       | 420     | 420     | 0       | 250     | 1090               |
| b)                                                   | Hydel:                           |      |            |         |         |         |         |         |                    |
|                                                      | Nagarjunasagar LCPH              | MW   |            | 60      | -       | -       | -       | -       | 60                 |
|                                                      | Penna Ahobilam                   | MW   |            | -       | 20      | -       | -       | -       | 20                 |
|                                                      | Upper Sileru Stage-II            | MW   |            | -       | 60      | 60      | -       | -       | 120                |
|                                                      | Mini Hydel                       | MW   |            | 2       | 1       | -       | 1       | -       | 4                  |
|                                                      | Total Hydel                      | MW   |            | 62      | 81      | 60      | 1       | 0       | 204                |
| c)                                                   | Wind:                            |      |            |         |         |         |         |         |                    |
|                                                      | Wind Farm at Ramagiri            | MW   |            | -       | -       | 2       | -       | -       | 2                  |
|                                                      | Total State Sector               | MW   | 1303       | 62      | 501     | 482     | 1       | 250     | 1296               |
| d)                                                   | Joint Sector                     |      |            |         |         |         |         |         |                    |
|                                                      | APGPCL-Vijjeswaram (W.Godavari)  | MW   |            | -       | -       | -       | -       | 112     | 112                |
| e)                                                   | Private Sector                   |      |            |         |         |         |         |         |                    |
| i)                                                   | Fast Track Projects              |      |            |         |         |         |         |         |                    |
|                                                      | GVK - Jegurupadu                 | MW   |            | -       | -       | -       | -       | 140.5   | 140.5              |
|                                                      | Spectrum - Kakinada              | MW   |            | -       | -       | -       | -       | 92.2    | 92.2               |
| ii)                                                  | Non-Conventional Energy Projects |      |            |         |         |         |         |         |                    |
|                                                      | Mini Hydel                       | MW   |            | -       | -       | -       | 3.75    |         | 3.75               |
|                                                      | Wind                             | MW   |            | -       | -       | 2.925   | 38.925  | 9.39    | 51.24              |
|                                                      | Co-Generation                    | MW   |            | -       | -       | -       | -       | 1.5     | 1.5                |
|                                                      | Total Private Sector             | MW   |            | 0       | 0       | 2.925   | 42.675  | 243.59  | 289.19             |
| f)                                                   | Central Sector Projects          |      |            |         |         |         |         |         |                    |
|                                                      | Neyveli TPS 2nd Mine Cut.        | MW   |            | 45      | 45      | -       | -       | -       | 90                 |
|                                                      | Total Central Sector             | MW   |            | 45      | 45      | 0       | 0       | 0       | 90                 |
|                                                      | Total Capacity Addition          | MW   |            | 107.00  | 546.00  | 484.925 | 43.675  | 605.59  | 1787.19            |
|                                                      | Total Installed Capacity         | MW   |            | 5088.71 | 5634.71 | 6119.64 | 6163.31 | 6768.90 |                    |
|                                                      | Peak Demand                      | MW   |            | 3916    | 4170    | 4434    | 4576    | 5022    |                    |
|                                                      |                                  |      |            |         |         |         |         |         | (Contd.)           |

| 4.5 ACHIEVEMENTS IN EIGHTH FIVE YEAR PLAN - PHYSICAL                                                                                               |                                     |      |                              |         |        |         |       |         |       |         |       |         |        |           |
|----------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|------|------------------------------|---------|--------|---------|-------|---------|-------|---------|-------|---------|--------|-----------|
| S.No.                                                                                                                                              | Name of the Project (District)      | Unit | Proposed Target for 8th plan | 1992-93 |        | 1993-94 |       | 1994-95 |       | 1995-96 |       | 1996-97 |        | Total     |
| II                                                                                                                                                 | Units Generated                     |      |                              |         |        |         |       |         |       |         |       |         |        |           |
| i)                                                                                                                                                 | Units Generated                     | MU   | 104600                       | 17872   |        | 19272   |       | 20529   |       | 21765   |       | 24690   |        | 104128    |
| ii)                                                                                                                                                | Units Purchased                     | MU   | 33189                        | 7197    |        | 8593    |       | 9456    |       | 8732    |       | 8993    |        | 42971     |
| iii)                                                                                                                                               | Gross Energy                        | MU   |                              | 25069   |        | 27865   |       | 29985   |       | 30497   |       | 33683   |        | 147099    |
| iv)                                                                                                                                                | Units sold with in the State        | MU   | 108006                       | 19227   |        | 21250   |       | 23029   |       | 23443   |       | 20923   |        | 107872    |
| v)                                                                                                                                                 | Units Exported                      | MU   |                              | 195     |        | 140     |       | 15      |       | 23      |       | 63      |        | 436       |
| III                                                                                                                                                | Transmission & Distribution         |      |                              |         |        |         |       |         |       |         |       |         |        |           |
| a)                                                                                                                                                 | 400 KV SS                           | Nos. | 1                            | -       |        | -       |       | -       |       | -       |       | -       |        | -         |
| b)                                                                                                                                                 | 220 KV SS                           | Nos. | 17                           | 4       |        | 4       |       | 3       |       | 3       |       | 3       |        | 17        |
| c)                                                                                                                                                 | 132 KV SS ⚡                         | Nos. | 47                           | 12      |        | 22      | (-2)  | 6       | (-2)  | 1       | (-2)  | 5       | (-1)   | 46 (-7)   |
| d)                                                                                                                                                 | 66 KV SS                            | Nos. | -                            | -       | (-2)   | -       | (-2)  | -       | (-1)  | -       |       | -       | (-1)   | - (-6)    |
| e)                                                                                                                                                 | 33 KV SS                            | Nos. | 300                          | 67      |        | 130     |       | 75      |       | 82      | (-2)  | 49      | (+1)   | 403 (-1)  |
|                                                                                                                                                    | Sub-total (a to e)                  | Nos. |                              | 83      | (-2)   | 156     | (-4)  | 84      | (-3)  | 86      | (-4)  | 57      | (-1)   | 466 (-14) |
| f)                                                                                                                                                 | 400 KV Lines                        | Ckm. | 380                          | -       |        | -       |       | -       |       | -       |       | -       |        | -         |
| g)                                                                                                                                                 | 220 KV lines                        | Ckm. | 2765                         | 266     |        | 778     |       | 478     |       | 289     |       | 189     |        | 2000      |
| h)                                                                                                                                                 | 132 KV lines                        | Ckm. | 2274                         | 550     |        | 675     |       | 261     |       | 44      |       | 188     |        | 1718      |
| i)                                                                                                                                                 | 66 KV lines                         | Km   | -                            | -       | (-485) | -       | (-14) | -       |       | -       |       | -       | (-68)  | 0 (-567)  |
| j)                                                                                                                                                 | 33 KV lines                         | Km   | -                            | 1135    |        | 1097    |       | 1232    |       | 735     |       | 409     |        | 4608      |
|                                                                                                                                                    | 33 KV UG Cable                      | Km   |                              |         |        |         |       |         |       | -       |       | 35      |        | 35        |
| k)                                                                                                                                                 | 11 KV lines                         | Km   | -                            | 6115    |        | 5675    |       | 5200    |       | 2439    |       | 2624    |        | 22053     |
|                                                                                                                                                    | 11 KV UG Cable                      | Km   |                              |         |        |         |       |         |       | -       |       | 244     |        | 244       |
| l)                                                                                                                                                 | LT lines                            | Km   | -                            | 24807   |        | 25490   |       | 20796   |       | 10519   |       | 4840    |        | 86452     |
|                                                                                                                                                    | Sub-total (f to l)                  | Km   |                              | 32873   | (-485) | 33715   | (-14) | 27967   | 14026 | 8529    | (-68) | 117110  | (-567) |           |
|                                                                                                                                                    | Distribution Transformers           | Nos. |                              | 10715   |        | 7600    |       | 12001   |       | 10147   |       | 6185    |        | 46648     |
|                                                                                                                                                    | Services Released (Excl.Agl.)       | Nos. | 2676550                      | 550318  |        | 369370  |       | 339654  |       | 508690  |       | 437855  |        | 2205887   |
| IV                                                                                                                                                 | Rural Electrification               |      |                              |         |        |         |       |         |       |         |       |         |        |           |
| a)                                                                                                                                                 | Villages electrified                | Nos. |                              | -       |        | -       |       | -       |       | -       |       | -       |        | 0         |
| b)                                                                                                                                                 | Hamlets electrified                 | Nos. |                              | 835     |        | 792     |       | 1200    |       | 54      |       | 80      |        | 2961      |
| c)                                                                                                                                                 | Dalitwadas electrified              | Nos. |                              | 1357    |        | 1395    |       | 1750    |       | 765     |       | 302     |        | 5569      |
| d)                                                                                                                                                 | Weaker Section Colonies Electrified | Nos. |                              | 1164    |        | 1216    |       | 1500    |       | 784     |       | 322     |        | 4986      |
| e)                                                                                                                                                 | Pumpsets energised                  | Nos. | 250000                       | 124077  |        | 102177  |       | 96160   |       | 37186   |       | 148210  |        | 507810    |
| ⚡ Yerraguntla & Kalwakurthy(93-94), Nandyal & Anathapur(94-95),Renigunta & Moulali(95-96) and Chillakallu (96-97) 132kV SSs are upgraded to 220kV. |                                     |      |                              |         |        |         |       |         |       |         |       |         |        |           |

**5. NINTH FIVE YEAR PLAN (1997-2002),  
TENTH FIVE-YEAR PLAN (2002-2007).  
AND  
CAPACITY ADDITION PROGRAMME FOR  
ELEVENTH PLAN (2007-12)**

**5.1 ACHIEVEMENTS IN NINTH FIVE YEAR PLAN -FINANCIAL(1997-98 TO 2001-02)**

| Rs. In.Crores |                                           |                      |                 |                 |                 |                 |                 |                |
|---------------|-------------------------------------------|----------------------|-----------------|-----------------|-----------------|-----------------|-----------------|----------------|
| Sl.No         | Name of the Scheme                        | Ninth Plan Provision | Actuals 1997-98 | Actuals 1998-99 | Actuals 1999-00 | actuals 2000-01 | Actuals 2001-02 | Total 9th plan |
|               | <b>A.P.GENCO</b>                          |                      |                 |                 |                 |                 |                 |                |
|               | <b>PLAN</b>                               |                      |                 |                 |                 |                 |                 |                |
|               | Srisaillam Left Bank H.E.S                | 1102.12              | 424.49          | 429.07          | 271.26          | 251.33          | 126.48          | 1502.63        |
|               | Rayalaseema TPS Stage-I                   | 20.00                | 8.87            | 12.25           | 1.57            | 1.11            | 3.34            | 27.14          |
|               | Direct payments by ADB                    |                      | 33.06           |                 |                 |                 |                 | 33.06          |
|               | Vijayawada TPS Stage-III                  | 53.22                | 6.71            | 4.49            | 2.26            | 2.93            | 5.90            | 22.29          |
|               | KTPS Stage-V                              | 130.00               | 20.00           | 50.19           | 6.04            | 6.98            | 7.16            | 90.37          |
|               | Vijayawada TPS Stage-II                   | 2.00                 | 0.16            | 0.00            | 0.03            |                 |                 | 0.19           |
|               | N.S.Pumped Storage scheme stage-II        |                      |                 | 0.08            | 0.16            | 0.42            | 0.10            | 0.76           |
|               | N.S.Right Canal H.E.S. IIIrd Unit         |                      |                 | 0.03            | 0.02            |                 |                 | 0.05           |
|               | N.S.Left Canal HES Scheme                 |                      |                 | 0.06            | 0.02            |                 |                 | 0.08           |
|               | Penna Ahobilam H.E.Scheme                 | 0.50                 | 0.30            | 0.34            | 0.05            |                 |                 | 0.69           |
|               | Upper Sileru H.E.S. Scheme-II             | 1.00                 | 0.84            | 0.54            | 0.01            |                 |                 | 1.39           |
|               | Mini Hydel Schemes                        | 16.50                | 0.46            | 0.31            |                 | 0.08            | 5.13            | 5.98           |
|               | R&M Works of KTPS                         | 22.71                | 92.59           | 10.33           | 8.37            |                 |                 | 111.29         |
|               | Singur H.E.S                              | 16.00                | 0.48            | 5.36            | 1.14            | 2.21            | 0.96            | 10.15          |
|               | Rayalaseema TPS Stage-II(2x210 MW)        | 244.64               |                 |                 |                 |                 | 5.76            | 5.76           |
|               | HPCL-APSEB(500 MW) Joint Venture          |                      |                 |                 |                 | 0.70            | 5.00            | 5.70           |
|               | Jurala HES                                |                      |                 |                 |                 |                 | 1.00            | 1.00           |
|               | SURVEY & INVESTIGATION                    | 7.50                 | 0.60            | 0.68            | 0.18            | 4.87            | 9.11            | 15.44          |
|               | <b>Plan Total</b>                         | <b>1616.19</b>       | <b>588.56</b>   | <b>513.73</b>   | <b>291.11</b>   | <b>270.63</b>   | <b>169.94</b>   | <b>1833.97</b> |
|               | <b>ADDITIONALITY</b>                      |                      |                 |                 |                 |                 |                 |                |
|               | SLBPH & RTPP Stg I                        | 448.00               |                 |                 | 0.50            | 104.21          | 7.04            | 111.75         |
|               | VTPS Stg III                              |                      | 114.31          | 16.61           | 14.38           |                 |                 | 145.30         |
|               | KTPS'A'                                   |                      |                 |                 |                 | 13.78           | 39.75           | 53.53          |
|               | Srisaillam HEScheme Stage-II(3X110 MW)    |                      |                 | 1.60            |                 | 1.69            | 0.29            | 3.58           |
|               | R&M Works of KTPS                         |                      |                 |                 |                 | 185.57          | 140.49          | 326.06         |
|               | R&M Works of NTS 30 MW Station            | 2.23                 |                 | 1.25            |                 |                 | 4.30            | 5.55           |
|               | R&M Works of RTS                          | 0.63                 | 0.02            |                 | 0.01            |                 |                 | 0.03           |
|               | R&M Srisaillam                            | 2.47                 | 0.91            | 14.14           |                 |                 |                 | 15.05          |
|               | R&M Works of Lower Sileru                 | 1.83                 |                 | 10.13           |                 | 1.48            | 2.17            | 13.78          |
|               | VTPS R&M works                            | 87.54                | 3.54            | 0.69            | 50.45           | 17.75           | 39.77           | 112.20         |
|               | Additionality for RTPP                    |                      |                 |                 |                 | 0.64            |                 | 0.64           |
|               | Singur HES                                |                      |                 | 0.69            | 1.71            | 0.38            | 0.68            | 3.46           |
|               | Y2K (All Stations)                        |                      |                 |                 |                 | 0.37            | 1.30            | 1.67           |
|               | NSHES flood protection wall               |                      |                 |                 |                 | 0.32            | 0.98            | 1.30           |
|               | Vizag TPS-Stage-I (2x500 MW)              |                      | 0.32            | 0.21            |                 |                 |                 | 0.53           |
|               | Krishnapatnam TPS Stage-I                 |                      | 0.62            | 0.03            |                 |                 |                 | 0.65           |
|               | Simhadri TPS (2x500 MW)                   |                      |                 | 0.82            |                 |                 |                 | 0.82           |
|               | Jegurupadu Gas Based Stage-II (200 MW)    | 1.60                 | 0.31            | 0.69            |                 |                 |                 | 1.00           |
|               | Initial enabling works for other IPPS     | 100.00               |                 | 0.82            |                 |                 |                 | 0.82           |
|               | VTPS Stage IV                             |                      |                 |                 |                 |                 | 1.15            | 1.15           |
|               | <b>Total Additionality</b>                | <b>644.30</b>        | <b>120.03</b>   | <b>47.68</b>    | <b>67.05</b>    | <b>326.19</b>   | <b>237.92</b>   | <b>798.87</b>  |
|               | <b>TOTAL APGENCO (Plan+Additionality)</b> | <b>2260.49</b>       | <b>708.59</b>   | <b>561.41</b>   | <b>358.16</b>   | <b>596.82</b>   | <b>407.86</b>   | <b>2632.84</b> |
|               |                                           |                      |                 |                 |                 |                 |                 | (Contd.,)      |

| 5.1 ACHIEVEMENTS IN NINTH FIVE YEAR PLAN -FINANCIAL(1997-98 TO 2001-02) |                                                                                                |                 |                |                |                |                |                |                   |
|-------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|-----------------|----------------|----------------|----------------|----------------|----------------|-------------------|
| Sl.No                                                                   | Name of the Scheme                                                                             | Ninth Plan      | Actuals        | Actuals        | Actuals        | Actuals        | Actuals        | Rs. In.Crs        |
|                                                                         |                                                                                                | Provision       | 1997-98        | 1998-99        | 1999-2000      | 2000-01        | 2001-02        | Total<br>9th plan |
|                                                                         | <b>APTRANSCO</b>                                                                               |                 |                |                |                |                |                |                   |
|                                                                         | <b>PLAN</b>                                                                                    |                 |                |                |                |                |                |                   |
| <b>I</b>                                                                | <b>TRANSMISSION (Normal)</b>                                                                   | 321.58          | 69.29          | 59.28          | 86.66          |                |                | 215.23            |
|                                                                         | a)Srisaillam Transmission                                                                      | 478.79          | 21.43          | 95.80          | 233.81         | 51.34          | 37.40          | 439.78            |
|                                                                         | b)Vizag & Simhadri Tr.Scheme                                                                   | 796.40          |                |                | 0.09           | 142.47         | 260.48         | 403.04            |
|                                                                         | c)(BPL) Ramagundam                                                                             | 50.00           |                |                |                |                |                |                   |
|                                                                         | d)APL-1 scheme                                                                                 |                 |                |                |                | 99.87          | 35.60          | 135.47            |
|                                                                         | e)A.P.Hazard Mitigation Project                                                                |                 |                |                |                | 11.60          | 0.23           | 11.83             |
|                                                                         | f) Krishnapatnam                                                                               |                 |                |                | 5.20           |                |                | 5.20              |
|                                                                         | <b>Total plan(I)</b>                                                                           | <b>1646.77</b>  | <b>90.72</b>   | <b>155.08</b>  | <b>325.76</b>  | <b>305.28</b>  | <b>333.71</b>  | <b>1210.55</b>    |
|                                                                         | Additionality (PFC + OECF)(I)                                                                  | 1655.00         | 24.57          | 49.92          | 98.43          | 114.86         | 125.40         | 413.18            |
|                                                                         | <b>Sub Total (I)</b>                                                                           | <b>3301.77</b>  | <b>115.29</b>  | <b>205.00</b>  | <b>424.19</b>  | <b>420.14</b>  | <b>459.11</b>  | <b>1623.73</b>    |
| <b>II</b>                                                               | <b>DISCOMS</b>                                                                                 |                 |                |                |                |                |                |                   |
|                                                                         | 1) DISTRIBUTION + S.I.WORKS                                                                    | 1850.00         | 104.76         | 103.20         | 233.56         | 276.46         | 240.59         | 958.57            |
|                                                                         | 2)RURAL ELECTRIFICATION                                                                        | 230.00          | 22.02          | 17.44          | 29.98          | 23.96          | 15.17          | 108.57            |
|                                                                         | 3)A.P.Energy efficiency Project                                                                |                 |                | 17.94          | 8.69           | 0.28           | 0.00           | 26.91             |
|                                                                         | 4)A.P.Hazard Mitigation Project                                                                |                 | 17.57          | 52.96          | 35.17          | 8.72           | 1.46           | 115.88            |
|                                                                         | 5) A.P.P.S.Restructuring Project (APL-I)                                                       |                 |                |                |                | 120.91         | 49.36          | 170.27            |
|                                                                         | Total Plan Schemes (II)                                                                        | 2080.00         | 144.35         | 191.54         | 307.40         | 430.33         | 306.58         | 1380.20           |
|                                                                         | Additionality (II)                                                                             | 1451.30         | 22.23          | 149.00         | 79.27          | 37.28          | 44.92          | 1801.83           |
|                                                                         | <b>Sub Total (II)</b>                                                                          | <b>3531.30</b>  | <b>166.58</b>  | <b>340.54</b>  | <b>386.67</b>  | <b>467.61</b>  | <b>351.50</b>  | <b>3182.03</b>    |
|                                                                         | <b>OUTSIDE PLAN (Transmission &amp; Distribution)</b>                                          |                 |                |                |                |                |                |                   |
|                                                                         | 1) RE-SPA Schemes                                                                              | 750.00          | 13.90          | 51.75          | 99.81          | 13.76          | 10.06          | 189.28            |
|                                                                         | 2) Distn.S.I.Schemes                                                                           | 175.00          | 13.43          | 10.58          | 4.54           | 23.80          | 13.38          | 65.73             |
|                                                                         | 3) Transmission (HVDC)                                                                         |                 | 0.18           | 0.10           | 0.00           |                |                | 0.28              |
|                                                                         | 4) A.P.P.S.Restructuring Project (Reforms)                                                     |                 |                | 1.60           |                |                |                | 1.60              |
|                                                                         | 5)Cyclone works                                                                                |                 |                |                |                | 0.32           |                | 0.32              |
|                                                                         | <b>Total Outside Plan</b>                                                                      | <b>925.00</b>   | <b>27.51</b>   | <b>64.03</b>   | <b>104.35</b>  | <b>37.88</b>   | <b>23.44</b>   | <b>257.21</b>     |
|                                                                         | <b>NON PLAN</b>                                                                                |                 |                |                |                |                |                |                   |
|                                                                         | i) Loans & Advances to employees                                                               |                 |                |                | 3.01           | 1.48           | 0.48           | 4.97              |
|                                                                         |                                                                                                |                 |                | 0.13           |                | 1.59           | 2.57           | 4.29              |
|                                                                         | iii)Vehicles                                                                                   |                 |                |                |                | 0.13           | 0.06           |                   |
|                                                                         | vi)Furniture & Fixtures                                                                        |                 | 0.01           |                | 0.03           | 0.58           | 0.18           | 0.80              |
|                                                                         | v) Office Equipment including computers                                                        |                 |                |                |                | 0.59           | 1.40           | 1.99              |
|                                                                         | VI) A.P.P.S.Restructuring Project (Reforms)                                                    |                 |                |                |                | 0.01           | 0.01           | 0.02              |
|                                                                         | vii) Spare/ Service Unit                                                                       |                 |                |                |                | 11.92          | 10.40          | 22.32             |
|                                                                         | viii) Cyclone Works                                                                            |                 |                |                |                | 0.19           | 1.69           | 1.88              |
|                                                                         | ix) Road Widening Works                                                                        |                 |                |                |                | 0.03           | 0.00           | 0.03              |
|                                                                         | <b>Total : Non-Plan</b>                                                                        |                 | <b>0.01</b>    | <b>0.13</b>    | <b>3.04</b>    | <b>16.52</b>   | <b>16.79</b>   | <b>36.49</b>      |
|                                                                         | <b>Total APTRANSCO&amp;DISCOMS (Plan +Additionality+Out-Side Plan + Non Plan)</b>              | <b>7758.07</b>  | <b>309.39</b>  | <b>609.70</b>  | <b>918.25</b>  | <b>942.15</b>  | <b>850.84</b>  | <b>5099.46</b>    |
|                                                                         | <b>Grand Total for APGENCO+APTRANSCO +DISCOMS</b>                                              | <b>10018.56</b> | <b>1017.98</b> | <b>1171.11</b> | <b>1276.41</b> | <b>1571.98</b> | <b>1318.49</b> | <b>6355.97</b>    |
|                                                                         | <b>Grand Total for APGENCO+APTRANSCO+DISCOMS (Plan+Additionality+Out-Side Plan + Non Plan)</b> | <b>10018.56</b> | <b>1017.98</b> | <b>1171.11</b> | <b>1276.41</b> | <b>1538.97</b> | <b>1258.70</b> | <b>7732.30</b>    |

| 5.2 ACHIEVEMENTS IN NINTH FIVE YEAR PLAN - PHYSICAL |                                  |           |                              |                |                |                |                |                |       |
|-----------------------------------------------------|----------------------------------|-----------|------------------------------|----------------|----------------|----------------|----------------|----------------|-------|
| S.No.                                               | Name of the Project (District)   | Unit      | Proposed target for 9th Plan | 1997-98        | 1998-99        | 1999-00        | 2000-01        | 2001-02        | Total |
| I                                                   | <b>Generation</b>                |           |                              |                |                |                |                |                |       |
| 1                                                   | <b>APGenco</b>                   |           |                              |                |                |                |                |                |       |
| 1.a                                                 | Thermal:                         |           |                              |                |                |                |                |                |       |
|                                                     | Kothagudem TPS Stage V           | MW        | 250                          | 250            | -              | -              | -              |                | 250   |
| <b>Total Thermal</b>                                |                                  | MW        | 250                          | 250            |                |                |                | 0              | 250   |
| 1.b                                                 | Hydel:                           |           |                              |                |                |                |                |                |       |
|                                                     | Srisailem Left Bank              | MW        | 900                          |                |                |                |                | 300            | 300   |
|                                                     | Singur Hydro project             | MW        | 15                           |                |                | 15             |                |                | 15    |
| 1.c                                                 | Mini hydel                       | MW        |                              |                |                |                | 1              |                | 1     |
| <b>Total Hydel</b>                                  |                                  | MW        | 915                          | 0              | 0              | 15             | 1              | 300            | 316   |
| <b>Total APGenco</b>                                |                                  | MW        | 1165                         | 250            | 0              | 15             | 1              | 300            | 566   |
| 2                                                   | <b>Joint Sector</b>              |           |                              |                |                |                |                |                |       |
|                                                     | APGPCL-Vijjeswaram (W.Godavari)  | MW        |                              | 60             | -              | -              | -              |                | 60    |
| 3                                                   | <b>Private Sector</b>            |           |                              |                |                |                |                |                |       |
| 3. a                                                | Fast Track Projects              |           |                              |                |                |                |                |                |       |
| i                                                   | GVK - Jegurupadu                 | MW        | 75.5                         | 75.5           | -              | -              | -              |                | 75.5  |
| ii                                                  | Spectrum - Kakinada              | MW        | 115.7                        | 115.7          | -              | -              | -              |                | 115.7 |
| iii                                                 | Lanco(Kondapally)                | MW        | 355                          |                |                |                | 355            |                | 355   |
| iv                                                  | BSES(Peddapuram)                 | MW        | 220                          |                |                |                |                | 140            | 140   |
| v                                                   | Gowatami(Peddapuram)             | MW        | 464                          |                |                |                |                |                |       |
| vi                                                  | Vemagiri                         | MW        | 370                          |                |                |                |                |                |       |
| vii                                                 | Isolated Gas wells               | MW        |                              |                |                | 2.7            |                | 18.4           | 21.1  |
| 3. b                                                | Non-Conventional Energy Projects |           |                              |                |                |                |                |                |       |
| i                                                   | Mini Hydel                       | MW        |                              | 12             | 11.5           | 16.2           | 18.9           | 14.6           | 73.2  |
| ii                                                  | Wind                             | MW        |                              | 1.5            | 6              | 26.25          | 3.75           | 1.69           | 39.19 |
| iii                                                 | Bagasse based co-generation      | MW        |                              | -              | 9              | 5              | -              | 22             | 36    |
| iv                                                  | Bio-Mass based co-generation     | MW        |                              |                |                |                | 6.7            | 3              | 9.7   |
| v                                                   | Bio-Mass based project           | MW        |                              |                | 1              |                | 28             | 44.5           | 73.5  |
| vi                                                  | Mini-Power plants                | MW        |                              |                |                | 40.31          |                | 37.8           | 78.11 |
| vii                                                 | Others                           | MW        |                              |                | 41             |                |                |                | 41    |
| <b>Total Private Sector</b>                         |                                  | MW        | 1600.2                       | 204.7          | 68.5           | 90.46          | 412.35         | 281.99         | 1058  |
| 4                                                   | Central Sector Projects          |           |                              |                |                |                |                |                |       |
| 4. a                                                | Kaiga Nuclear plant              | MW        |                              |                |                | 57.5           | 57.5           |                | 115   |
| 4. b                                                | Simhadri(NTPC) Vizag             | MW        |                              |                |                |                |                | 500            | 500   |
| <b>Total Central Sector</b>                         |                                  | MW        |                              | -12 (**)       |                | 57.5           | 57.5           | 500            | 615   |
| <b>Total Capacity Addition</b>                      |                                  | MW        | 2765.2                       | 514.7          | 68.5           | 162.96         | 470.85         | 1081.99        | 2299  |
| 5                                                   | <b>Total Installed Capacity</b>  | <b>MW</b> |                              | <b>7283.60</b> | <b>7352.10</b> | <b>7515.06</b> | <b>7985.91</b> | <b>9067.90</b> |       |
| 6                                                   | Peak Demand                      | MW        |                              | 5742           | 6480           | 6684           | 7143           | 7029           |       |

(\* \*) Central Sector Share reduced by 12 MW due to derating of MAPP

(Contd.,)

| 5.2 ACHIEVEMENTS IN NINTH FIVE YEAR PLAN - PHYSICAL |                                                                                        |      |                              |         |       |         |      |           |      |         |        |           |       |         |
|-----------------------------------------------------|----------------------------------------------------------------------------------------|------|------------------------------|---------|-------|---------|------|-----------|------|---------|--------|-----------|-------|---------|
| S.No.                                               | Name of the Project (District)                                                         | Unit | Proposed target for 9th Plan | 1997-98 |       | 1998-99 |      | 1999-2000 |      | 2000-01 |        | 2001-02   |       | Total   |
| 7                                                   | Units Generated                                                                        |      |                              |         |       |         |      |           |      |         |        |           |       |         |
| i)                                                  | Units Generated                                                                        | MU   | --                           | 26265   |       | 27023   |      | 29632     |      | 26797   |        | 25553     |       | 135270  |
| ii)                                                 | Units Purchased                                                                        | MU   | --                           | 11881   |       | 13551   |      | 16137     |      | 15392   |        | 16319     |       | 73280   |
| iii)                                                | Gross Energy                                                                           | MU   | --                           | 38146   |       | 40574   |      | 45769     |      | 42189   |        | 41872     |       | 208550  |
| iv)                                                 | Units sold with in the State                                                           | MU   | --                           | 23943   |       | 24831   |      | 25803     |      | 26976   |        | 31443     |       | 132996  |
| v)                                                  | Units Exported                                                                         | MU   | --                           | 28      |       | 24      |      | 24        |      | 29      |        | -         |       | 105     |
|                                                     | * 6 MW already commissioned in the name of ( M/s Varalaxmi) sugar Ltd., on 10-01-2001. |      |                              |         |       |         |      |           |      |         |        |           |       |         |
|                                                     | ** Excluding Aux. Consumption                                                          |      |                              |         |       |         |      |           |      |         |        |           |       |         |
| II                                                  | Transmission & Distribution                                                            |      |                              |         |       |         |      |           |      |         |        |           |       |         |
| a)                                                  | 400 KV SS                                                                              | Nos. | 8                            | --      |       | --      |      | --        |      | 2       |        | 1         |       | 3       |
| b)                                                  | 220 KV SS *                                                                            | Nos. | 35                           | 3       |       | 3       |      | 3         |      | 4       |        | 6         |       | 19      |
| c)                                                  | 132 KV SS \$                                                                           | Nos. | 90                           | 6       | (-3)  | 5       | (-2) | 7         | (-1) | 14      | (-4)   | 6         | 38    | (-10)   |
| d)                                                  | 66 KV SS                                                                               | Nos. | --                           | --      | (-1)  | --      |      | --        |      | --      | (-3)   | --        | --    | (-4)    |
| e)                                                  | 33 KV SS                                                                               | Nos. | 701                          | 51      |       | 73      |      | 170       |      | 98      |        | 79        |       | 471     |
| Sub-total (a to e)                                  |                                                                                        | Nos. |                              | 60      | (-4)  | 81      | (-2) | 180       | (-1) | 118     | (-7)   | 92        | 531   | (-14)   |
| f)                                                  | 400 KV Lines                                                                           | Ckm. | 4444                         |         |       |         |      | 46        |      | 847     |        | 408       |       | 1301    |
| g)                                                  | 220 KV lines                                                                           | Ckm. | 5504                         | 447     |       | 377     |      | 754       |      | 650     |        | 734       |       | 2962    |
| h)                                                  | 132 KV lines                                                                           | Ckm. | 3705                         | 215     |       | 275     |      | 298       |      | 867     |        | 614       |       | 2269    |
| i)                                                  | 66 KV lines                                                                            | Km   | --                           | --      | (-80) | --      |      | --        |      | --      | (-186) | --        | --    | (-266)  |
| j)                                                  | 33 KV lines                                                                            | Km   | --                           | 1192    |       | 1343    |      | 1871      |      | 2088    |        | --        |       | 6494    |
|                                                     | 33 KV UG Cable                                                                         | Km   | --                           |         |       |         |      |           |      |         |        |           |       |         |
| k)                                                  | 11 KV lines                                                                            | Km   | --                           | 3467    |       | 5211    |      | 4400      |      | 3404    |        | 2989      |       | 19471   |
|                                                     | 11 KV UG Cable                                                                         | Km   | --                           |         |       |         |      |           |      |         |        |           |       |         |
| l)                                                  | LT lines                                                                               | Km   | --                           | 6995.2  |       | 9919    |      | 9735      |      | 7435    |        | 6450      |       | 40534   |
| Sub-total (f to l)                                  |                                                                                        | Km   |                              | 12316   | (-80) | 17125   |      | 17104     |      | 15291   | (-186) | 11195     | 73031 | (-266)  |
| Distribution Transformers                           |                                                                                        | Nos. | --                           | 11979   |       | 11147   |      | 15087     |      | 15564   |        | 12027     |       | 65804   |
| Services Released (Excl.Agl.)                       |                                                                                        | Nos. |                              | 557773  |       | 452491  |      | 472371    |      | 2190118 |        | 511846    |       | 4184599 |
| III                                                 | Rural Electrification                                                                  |      |                              |         |       |         |      |           |      |         |        |           |       |         |
| a)                                                  | Villages electrified                                                                   | Nos. | --                           | -       |       | -       |      | -         |      | -       |        | -         |       | -       |
| b)                                                  | Hamlets electrified                                                                    | Nos. | 5000                         | 157     |       | 262     |      | 182       |      | 371     |        | 87        |       | 1059    |
| c)                                                  | Dalitwadas electrified                                                                 | Nos. | 5000                         | 263     |       | 537     |      | 516       |      | 260     |        | 669       |       | 2245    |
| d)                                                  | Weaker Section Colonies Electrified                                                    | Nos. | 5000                         | 276     |       | 512     |      | 933       |      | 127     |        | 816       |       | 2664    |
| e)                                                  | Pumpsets energised (Including RESCOs)                                                  | Nos. | 250000                       | 33486   |       | 59997   |      | 48227     |      | 6660    |        | 267479 ** |       | 415849  |

\* 220 KV Chinakampally Sw.stn(2000-01) converted to Conventional SS.

\$ Kakinada,Siddipet,Kareemnagar (97-98), Waddekothapally &Nidadavolu (98-99),Nirmal,Parchur Sw.Stn converted to conventional 132KV SS (99-2000),Bheemgal,Medchal,Tandur,Minpur(2k-01) are upgraded to 220 kV SS's.

\*\* Including 69199 Regularisation of Un-Authorised Agricultural services.

| 5.3 ACHIEVEMENTS IN TENTH FIVE YEAR PLAN -FINANCIAL (2002-03 TO 2006-07) - APTRANSCO |                                                              |                      |                |                |                |                | (Rs in Crs)    |
|--------------------------------------------------------------------------------------|--------------------------------------------------------------|----------------------|----------------|----------------|----------------|----------------|----------------|
| S No                                                                                 | Details                                                      | Tenth Plan Provision | 2002-03        | 2003-04        | 2004-05        | 2005-06        | 2006-07        |
| <b>I</b>                                                                             | <b>Transmission Plan</b>                                     |                      |                |                |                |                |                |
| 1                                                                                    | Simhadri Tr. Scheme                                          | 2904.47              | 150.29         | 101.48         | 29.75          | 6.64           | 1.29           |
| 2                                                                                    | Ramagundam Tr. Scheme                                        |                      | 0.49           | 0.09           | 0.09           | 12.26          |                |
| 3                                                                                    | Krishnapatnam Tr. Scheme                                     |                      | 0.66           |                |                |                |                |
| 4                                                                                    | Mahaboobnagar 400 kV Substation                              |                      | 0.01           | 2.21           | 24.71          | 9.67           | 2.35           |
| 5                                                                                    | 400 kV Substations at Nellore & Chittoor                     |                      |                | 4.19           | 57.43          | 24.14          | 4.34           |
| 6                                                                                    | Short Gestation Tr.Scheme -I                                 |                      |                |                | 48.33          | 13.57          | 0.53           |
| 7                                                                                    | Short Gestation Tr.Scheme - II                               |                      |                |                |                | 1.00           | 0.10           |
| 8                                                                                    | Srisailem Tr. Scheme (OECF)                                  |                      | 2.07           | 1.69           |                |                | 1.38           |
| 9                                                                                    | APL1                                                         |                      | 24.12          | 17.64          |                |                |                |
| 10                                                                                   | APL1 (Supplemental)                                          |                      | 0.44           |                | 5.02           | 18.86          | 2.76           |
| 11                                                                                   | APL2                                                         |                      | 1.120          |                | 15.12          | 25.81          |                |
| 12                                                                                   | REC Scheme                                                   |                      | 0.08           | 58.21          | 121.21         | 88.58          | 74.40          |
| 13                                                                                   | DFID                                                         |                      |                | 1.89           | 5.23           | 5.60           | 0.09           |
| 14                                                                                   | APHM & ECRP                                                  |                      |                |                |                | 0.29           | 0.15           |
| 15                                                                                   | PFC                                                          |                      | 183.34         | 14.32          |                | 74.29          | 141.20         |
| 16                                                                                   | NORMAL PLAN                                                  |                      |                | 46.29          | 45.6           | 29.54          | 42.28          |
| 17                                                                                   | Boundary Metering scheme/Twin cities Transmission project(*) |                      |                |                |                | 0.00           |                |
| 18                                                                                   | Others                                                       |                      |                |                | 62.89          | 47.93          | 228.59         |
|                                                                                      | <b>Sub Total I</b>                                           | <b>2904.47</b>       | <b>362.62</b>  | <b>248.01</b>  | <b>415.38</b>  | <b>358.18</b>  | <b>499.46</b>  |
| <b>II.</b>                                                                           | <b>Distribution Plan</b>                                     |                      |                |                |                |                |                |
| (I)                                                                                  | Distribution & System Improvements                           | 2295.23              | 983.54         | 1247.62        | 1301.79        | 1263.50        | 1515.18        |
| (ii)                                                                                 | Rural Electrification                                        |                      |                |                |                |                |                |
| (iii)                                                                                | T&D Improvements                                             |                      |                |                |                |                |                |
| (iv)                                                                                 | AP Energy efficiency project                                 |                      |                |                |                |                |                |
| (v)                                                                                  | AP Power Sector Restructuring project-APL1                   |                      |                |                |                |                |                |
| (vi)                                                                                 | AP Hazard Mitigation Project                                 |                      |                |                |                |                |                |
| (vii)                                                                                | APDRP                                                        |                      |                |                |                |                |                |
| (viii)                                                                               | HVDS                                                         |                      |                |                |                |                |                |
| (ix)                                                                                 | OECF                                                         |                      |                |                |                |                |                |
|                                                                                      | <b>Sub Total II</b>                                          | <b>2295.23</b>       |                |                |                |                |                |
| <b>III</b>                                                                           | <b>Additionality (Transmission &amp; Distribution)</b>       |                      |                |                |                |                |                |
| (I)                                                                                  | OECF/REC                                                     | 2094.24              | 983.54         | 1247.62        | 1301.79        | 1263.50        | 1515.18        |
| (ii)                                                                                 | DFID/APL                                                     |                      |                |                |                |                |                |
| (iii)                                                                                | APL-1                                                        |                      |                |                |                |                |                |
|                                                                                      | <b>Sub Total III</b>                                         | <b>2094.24</b>       |                |                |                |                |                |
| <b>IV.</b>                                                                           | <b>Outside Plan</b>                                          |                      |                |                |                |                |                |
| (I)                                                                                  | Rural Electrification                                        | 690.69               | 983.54         | 1247.62        | 1301.79        | 1263.50        | 1515.18        |
| (ii)                                                                                 | Distn. & Sys.Improvements                                    |                      |                |                |                |                |                |
| (iii)                                                                                | Cyclone Works                                                |                      |                |                |                |                |                |
| (iv)                                                                                 | Release of Agl services & LI schemes                         |                      |                |                |                |                |                |
|                                                                                      | <b>Sub Total IV</b>                                          | <b>690.69</b>        |                |                |                |                |                |
|                                                                                      | <b>Grand Total</b>                                           | <b>7984.63</b>       | <b>1346.16</b> | <b>1495.63</b> | <b>1717.17</b> | <b>1621.68</b> | <b>2014.64</b> |

| 5.4 ACHIEVEMENTS IN TENTH FIVE YEAR PLAN - PHYSICAL |                                                                              |      |                             |             |             |             |             |             |              |
|-----------------------------------------------------|------------------------------------------------------------------------------|------|-----------------------------|-------------|-------------|-------------|-------------|-------------|--------------|
|                                                     |                                                                              |      |                             |             |             |             | Provisional |             |              |
| S No                                                | ITEM                                                                         | Unit | Tenth Plan (2002-07) Target | 2002-03     | 2003-04     | 2004-05     | 2005-06     | 2006-07     | Total X plan |
|                                                     |                                                                              |      |                             | Achievement | Achievement | Achievement | Achievement | Achievement |              |
| 1                                                   | Electricity Sales                                                            | MU   | 179638                      | 31632       | 34084       | 37618       | 39652       | 44850       | 187836       |
| 2(I)                                                | Transmission Lines                                                           |      |                             |             |             |             |             |             |              |
| a)                                                  | 400 kV                                                                       | CKM  | 2814                        | 732         | ---         | ---         | 653         | 130         | 1515         |
| b)                                                  | 220 kV                                                                       | CKM  | 5104                        | 599         | 187.18      | 334.80      | 107.87      | 214.31      | 1443.16      |
| c)                                                  | 132 kV                                                                       | CKM  | 2245                        | 379         | 237.76      | 320.42      | 543.84      | 418.744     | 1899.764     |
| 2(II)                                               | Sub-Stations                                                                 |      |                             |             |             |             |             |             |              |
| a)                                                  | 400 kV                                                                       | Nos  | 11                          | ---         | ---         | ---         | 4           | ---         | 4            |
| b)                                                  | 220 kV                                                                       | Nos  | 31                          | 4           | 3           | 2           | 1           | 3           | 13           |
| c)                                                  | 132 kV                                                                       | Nos  | 73                          | 5           | 19          | 19          | 15          | 13          | 71           |
| d)                                                  | 33 kV shunt capacitor banks                                                  | MVAR | ---                         | 55          | 10          | 35          | 10          | 160         | 270          |
| e)                                                  | 132 kV shunt capacitor banks                                                 | MVAR | ---                         | 150         | 60          | ---         | ---         | ---         | 210          |
| 3                                                   | Distribution & SI                                                            |      |                             |             |             |             |             |             |              |
| a)                                                  | 33 KV Sub-stations                                                           | Nos  | 600                         | 182         | 206         | 145         | 168         | 179         | 880          |
| b)                                                  | Release of LT services other than agriculture                                | Nos  | 3000000                     | 566141      | 916179      | 705295      | 706895      | 968299      | 3862809      |
| c)                                                  | Release of HT Services                                                       | Nos  | 2070                        | 411         | 376         | 495         | 550         | 828         | 2660         |
| 4                                                   | Rural Electrification                                                        |      |                             |             |             |             |             |             |              |
| a)                                                  | Laying of conventional lines in villages already electrified with SPV Panels | Nos  | 1689                        | 78          | 173         | 335         | -           | -           | 586          |
| b)                                                  | General Hamlets                                                              | Nos  | 4636                        | 285         | 258         | 696         | 255         | 24          | 1518         |
| c)                                                  | Electrification of Dalitwadass                                               | Nos  | 5464                        | 1586        | 3877        | 2983        | 1886        | 2602        | 12934        |
| d)                                                  | Electrification of Weaker section colonies                                   | Nos  | 5503                        | 1757        | 1804        | 1239        | 1295        | 1683        | 7778         |
| e)                                                  | Tribal Hamlets                                                               | Nos  |                             | 581         | 2531        | 1526        | 927         | 1174        | 6739         |
| f)                                                  | Energisation of Agricultural pumpsets                                        | Nos  | 250000                      | 50917       | 51636       | 64760       | 66458       | 86977       | 320748       |

| 5.5 CAPACITY ADDITIONS / ACHIEVEMENTS FOR 10th PLAN (2002-2007)<br>( Gross capacities in MW)                                                                   |                                   |         |         |         |         |         |              |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|---------|---------|---------|---------|---------|--------------|
| S.No.                                                                                                                                                          | Name of the Project               | 2002-03 | 2003-04 | 2004-05 | 2005-06 | 2006-07 | Total X plan |
| I.                                                                                                                                                             | State Sector                      |         |         |         |         |         |              |
| 1                                                                                                                                                              | Rayalaseema Stage-II              |         |         |         |         | 210.00  | 210.00       |
| 2                                                                                                                                                              | Srisailem Left Bank               | 450.00  | 150.00  |         |         |         | 600.00       |
| 3                                                                                                                                                              | KTPS                              | 10.00   | 10.00   | 20.00   |         |         | 40.00        |
| 4                                                                                                                                                              | Jurala                            |         |         |         |         |         | 0.00         |
| 5                                                                                                                                                              | NTS                               |         |         |         | -30.00  |         | -30.00       |
| 6                                                                                                                                                              | Mini Hydel(Kakatiya Canal)        |         | 4.15    |         |         |         | 4.15         |
|                                                                                                                                                                | Sub-Total State Sector            | 460.00  | 164.15  | 20.00   | -30.00  | 210.00  | 824.15       |
| II.                                                                                                                                                            | Central Sector                    |         |         |         |         |         |              |
| 1                                                                                                                                                              | NTPC Simhadri                     | 500.00  |         |         |         |         | 500.00       |
| 2                                                                                                                                                              | Kaiga                             |         |         |         | -115.00 | 139.70  | 24.70        |
| 3                                                                                                                                                              | %of Central Share increased       |         |         |         | 160.94  | 98.05   | 258.99       |
| 4                                                                                                                                                              | Share from Ramagundam Extn.       |         |         | 146.00  |         |         | 146.00       |
| 5                                                                                                                                                              | Share from Talcher TPS            | 106.25  | 106.25  | 212.50  |         |         | 425.00       |
|                                                                                                                                                                | Sub-Total central Sector          | 606.25  | 106.25  | 358.50  | 45.94   | 237.75  | 1354.69      |
| III.                                                                                                                                                           | Private Sector                    |         |         |         |         |         |              |
| 1                                                                                                                                                              | GVK Extn.-I                       |         |         |         |         |         | 0.00         |
| 2                                                                                                                                                              | Vemagiri                          |         |         |         |         | 370.00  | 370.00       |
| 3                                                                                                                                                              | Gautami Stage-I                   |         |         |         |         |         | 0.00         |
| 4                                                                                                                                                              | BSES, Andhra                      | 80.00   |         |         |         |         | 80.00        |
| 5                                                                                                                                                              | Konaseema                         |         |         |         |         |         | 0.00         |
| 6                                                                                                                                                              | OTHERS (Lanco Kondapally)         |         |         |         | -2.26   |         | -2.26        |
| 7                                                                                                                                                              | Nagarjuna Electric Generating Co. |         |         |         | -20.00  |         | -20.00       |
| 8                                                                                                                                                              | MPPs Reconciled                   |         |         |         | 0.80    |         | 0.80         |
|                                                                                                                                                                | Sub-total Private sector          | 80.00   | 0.00    | 0.00    | -21.46  | 370.00  | 428.54       |
| IV.                                                                                                                                                            | Other Projects                    |         |         |         |         |         |              |
| 1                                                                                                                                                              | Mini Power Plants                 | 15.40   |         |         |         |         | 15.40        |
| 2                                                                                                                                                              | Non conventional (NEDCAP)         | 111.30  | 96.33   | 31.65   | 51.00   | 27.37   | 317.65       |
|                                                                                                                                                                | Sub-total Other projects          | 126.70  | 96.33   | 31.65   | 51.00   | 27.37   | 333.05       |
| Total                                                                                                                                                          |                                   | 1272.95 | 366.73  | 410.15  | 45.48   | 845.12  | 2940.43      |
| Grand Total                                                                                                                                                    |                                   | 2940.43 |         |         |         |         |              |
| Note:Srisailem LBPH 600 MW was added during 2002-04 of 10 th Plan by APGENCO.                                                                                  |                                   |         |         |         |         |         |              |
| 111 MW of Non conventional (NEDCAP) power was commissioned during 2002-03                                                                                      |                                   |         |         |         |         |         |              |
| The 1st and 2nd units at NTPC/Talcher-II were commissioned on 4-01-2003 and 25-10-2003 respectively and AP has got a share of 106.25 MW each from these units. |                                   |         |         |         |         |         |              |

| <b>5.6 Proposed Capacity Additions During 11th plan period<br/>(2007-08 to 2011-12)</b> |                                               |                                        |                |                |                |                |                |                            |
|-----------------------------------------------------------------------------------------|-----------------------------------------------|----------------------------------------|----------------|----------------|----------------|----------------|----------------|----------------------------|
| <b>Sl. No.</b>                                                                          | <b>Name of the Project</b>                    | <b>Capacity<br/>Envisaged<br/>(MW)</b> | <b>2007-08</b> | <b>2008-09</b> | <b>2009-10</b> | <b>2010-11</b> | <b>2011-12</b> | <b>Total<br/>11th Plan</b> |
| <b>I</b>                                                                                | <b>State Sector (APGENCO)</b>                 |                                        |                |                |                |                |                |                            |
|                                                                                         | Rayalaseema TPP Stg-II (2X210) Unit -II       | 210                                    | 210            |                |                |                |                | 210                        |
|                                                                                         | Rayalaseema TPP Stg-III ( 1X210)              | 210                                    |                |                |                | 210            |                | 210                        |
|                                                                                         | Vijayawada TPS Stage-4                        | 500                                    |                |                | 500            |                |                | 500                        |
|                                                                                         | Kakateeya TPS (Bhupalapalli) Stg-I (1X500)    | 500                                    |                |                | 500            |                |                | 500                        |
|                                                                                         | Kothagudem Stg-6 (1X500)                      | 500                                    |                |                |                |                | 500            | 500                        |
|                                                                                         | Jurala Hydro Plant (6X39)                     | 234                                    | 39             | 39             | 39             | 78             | 39             | 234                        |
|                                                                                         | Pochampad HES Unit – 4 (1X9)                  | 9                                      |                |                |                | 9              |                | 9                          |
|                                                                                         | Other State Sectors                           |                                        |                |                |                |                | 2.2            | 2.2                        |
|                                                                                         | <b>Total State Sector</b>                     | <b>2163</b>                            | <b>249</b>     | <b>39</b>      | <b>1039</b>    | <b>297</b>     | <b>541.2</b>   | <b>2165.2</b>              |
| <b>II</b>                                                                               | <b>Private Sector (Gas Based)</b>             |                                        |                |                |                |                |                | 0                          |
|                                                                                         | GVK Extn-I                                    | 220                                    |                |                | 220            |                |                | 220                        |
|                                                                                         | Gautami Stage-I                               | 464                                    |                |                | 464            |                |                | 464                        |
|                                                                                         | Konaseema                                     | 444.08                                 |                |                | 280            | 164.08         |                | 444.08                     |
|                                                                                         | <b>Total Private Sector</b>                   | <b>1128.08</b>                         | <b>0</b>       | <b>0</b>       | <b>964</b>     | <b>164.08</b>  | <b>0</b>       | <b>1128.08</b>             |
| <b>III</b>                                                                              | <b>Central Generating Stations</b>            |                                        |                |                |                |                |                | 0                          |
|                                                                                         | Simhadri Expansion                            | 384                                    |                |                |                |                | 226.1          | 226.1                      |
|                                                                                         | CGS share increased / decreased               |                                        | 108.53         |                | 85.32          | -237.03        |                | -43.18                     |
|                                                                                         | Kaiga Stage-IV                                | 71.17                                  |                |                |                | 71.17          |                | 71.17                      |
|                                                                                         | Solar Power Under JLNNSM (Phase-I)            |                                        |                |                |                |                | 7.76           | 7.76                       |
|                                                                                         | <b>Total CGS</b>                              | <b>455.17</b>                          | <b>108.53</b>  | <b>0</b>       | <b>85.32</b>   | <b>-165.86</b> | <b>233.86</b>  | <b>261.85</b>              |
| <b>IV</b>                                                                               | <b>Non-Conventional Projects (NEDCAP)</b>     | <b>480.31</b>                          | <b>27.75</b>   | <b>6.66</b>    | <b>109.95</b>  | <b>82.3</b>    | <b>98.39</b>   | <b>325.05</b>              |
|                                                                                         | <b>Total Capacity Programmed in 11th plan</b> | <b>4226.56</b>                         | <b>385.28</b>  | <b>45.66</b>   | <b>2198.27</b> | <b>377.52</b>  | <b>873.45</b>  | <b>3880.18</b>             |

96.35 NCE reconciled from previous years.

| 5.7 ACHIEVEMENTS IN 11th FIVE YEAR PLAN - PHYSICAL |                                                                              |      |             |             |             |             |             |           |
|----------------------------------------------------|------------------------------------------------------------------------------|------|-------------|-------------|-------------|-------------|-------------|-----------|
| S No                                               | ITEM                                                                         | Unit | 2007-08     | 2008-09     | 2009-10     | 2010-11     | 2011-12     | Total     |
|                                                    |                                                                              |      | Achievement | Achievement | Achievement | Achievement | Achievement | 11th Plan |
| 1                                                  | Electricity Sales                                                            | MU   | 48390.42    | 53215       | 59118       | 62619       | 69955.05    | 293297.86 |
| 2(I)                                               | Transmission Lines                                                           |      |             |             |             |             |             |           |
| a)                                                 | 400 kV                                                                       | CKM  | 171.56      | 21.14       | 163.67      | 135.51      | 0           | 491.88    |
| b)                                                 | 220 kV                                                                       | CKM  | 452.4       | 265.88      | 190.60      | 184.55      | 744.84      | 1838.27   |
| c)                                                 | 132 kV                                                                       | CKM  | 392.2       | 233.05      | 164.88      | 483.48      | 328.23      | 1601.84   |
| 2(II)                                              | Sub-Stations                                                                 |      |             |             |             |             |             |           |
| a)                                                 | 400 kV                                                                       | Nos  | 1           | 1           |             | 1           | 0           | 3         |
| b)                                                 | 220 kV                                                                       | Nos  | 8           | 3           | 3           | 4           | 10          | 28        |
| c)                                                 | 132 kV                                                                       | Nos  | 8           | 5           | 8           | 19          | 14          | 54        |
| d)                                                 | 33 kV shunt capacitor banks                                                  | MVAR | 15          |             |             |             |             | 15        |
| e)                                                 | 132 kV shunt capacitor banks                                                 | MVAR | ---         |             |             |             |             | 0         |
| 3                                                  | Distribution & SI                                                            |      |             |             |             |             |             |           |
| a)                                                 | 33 KV Sub-stations                                                           | Nos  | 202         | 301         | 359         | 173         | 169         | 1204      |
| b)                                                 | Release of LT services other than agriculture                                | Nos  | 1022287     | 1125361     | 1057756     | 986043      | 973718      | 5165165   |
| c)                                                 | Release of HT Services                                                       | Nos  | 1156        | 1335        | 1155        | 1162        | 1337        | 6145      |
| 4                                                  | Rural Electrification                                                        |      |             |             |             |             |             |           |
| a)                                                 | Laying of conventional lines in villages already electrified with SPV Panels | Nos  |             |             |             |             |             |           |
| b)                                                 | General Hamlets                                                              | Nos  | 119         | 58          | 39          | 102         | 331         | 649       |
| c)                                                 | Electrification of Dalitwadas                                                | Nos  | 1530        | 584         | 83          | 101         | 68          | 2366      |
| d)                                                 | Electrification of Weaker section colonies                                   | Nos  | 1783        | 1996        | 196         | 99          | 179         | 4253      |
| e)                                                 | Tribal Hamlets                                                               | Nos  | 1319        | 1016        | 1186        | 165         | 302         | 3988      |
| f)                                                 | Energisation of Agricultural pumpsets                                        | Nos  | 71835       | 81036       | 88604       | 139731      | 152908      | 534114    |

220kv Malkaram,Peddapuram Switching stations converted to Conventional SS(2007-08)

**5.8 ACHIEVEMENTS IN 11th FIVE YEAR PLAN -FINANCIAL APTRANSCO**

(Rs in Crs)

| S No                                                      | Details                                                                 | 2007-08        | 2008-09        | 2009-10        | 2010-11        | 2011-12        | Total 11th Plan |
|-----------------------------------------------------------|-------------------------------------------------------------------------|----------------|----------------|----------------|----------------|----------------|-----------------|
| <b>I) 400 KV Schemes</b>                                  |                                                                         |                |                |                |                |                |                 |
| 1                                                         | 400kV ring main around twin cities of Hyd and RR District               | 1.45           | 13.80          | 48.21          | 20.09          | 147.39         | 230.94          |
| 2                                                         | Simhadri & Vizag Transmission scheme                                    | 0.04           | -0.24          | -15.83         |                |                | -16.03          |
| 3                                                         | System improvement (Erection of 400kv SS at Nellore and Chittoor)       | -0.99          | -0.13          |                |                |                | -1.12           |
| 4                                                         | Erection of 400kv Dichpally Gajwel SS and associated Transmission lines | 87.09          | 48.48          | 10.41          | 10.10          | 0.28           | 156.36          |
| 5                                                         | 400kv Bhoopalapally Transmission scheme                                 | 0.07           | 1.67           | 57.97          | 26.77          | 55.67          | 142.15          |
| 6                                                         | System improvement (Erection of 400kv SS at Mahaboobnagar)              | 0.22           | -0.07          |                |                |                | 0.15            |
| 7                                                         | 400kv Augmentation scheme                                               | 13.06          | 14.83          | 34.86          | 2.81           | 1.69           | 67.25           |
| 8                                                         | Short Genstation Transmission Project-I                                 | 0.70           | 0.00           |                |                |                | 0.70            |
| 9                                                         | Short Genstation Transmission Project-II                                | 6.18           | 0.76           | 14.20          | 7.39           | 83.90          | 112.43          |
| 10                                                        | Vijayawada power transmission scheme                                    |                | 14.70          | 18.23          | 78.41          | 80.09          | 191.43          |
| 11                                                        | 400kV Kothagudem Power Transmission Scheme                              |                | 0.01           | 38.72          | 44.20          | 3.25           | 86.18           |
| 12                                                        | JBIC                                                                    |                | 0.04           |                |                |                | 0.04            |
| 13                                                        | 400kv Krishnapatnam Transmission scheme                                 |                |                | 0.04           | 0.33           | 56.03          | 56.40           |
| 14                                                        | Renovation & Modernisation scheme                                       |                |                |                | 13.67          | 9.28           | 22.95           |
| 15                                                        | 400kV Reactor scheme                                                    |                |                |                | 0.07           | 9.10           | 9.17            |
| <b>Sub-Total-I</b>                                        |                                                                         | <b>107.82</b>  | <b>93.85</b>   | <b>206.81</b>  | <b>203.84</b>  | <b>446.68</b>  | <b>1059.00</b>  |
| <b>II) Construction Schemes</b>                           |                                                                         |                |                |                |                |                |                 |
| 1                                                         | Normal plan                                                             | 16.97          | 16.98          | 45.19          | 31.35          | 20.27          | 130.76          |
| 2                                                         | Scheme under PFC /Bank funding                                          | 191.63         | 267.48         | 286.31         | 256.59         | 317.39         | 1319.40         |
| 3                                                         | Scheme under REC funding                                                | 67.53          | 37.27          | 25.20          | 11.24          | 17.06          | 158.30          |
| 4                                                         | DC/Bulk load works                                                      | 67.01          | 110.12         | 148.13         | 187.29         | 56.86          | 569.41          |
| 5                                                         | GIS &UG Cable Project in HMDA Area                                      |                |                | 156.72         | 342.54         | 270.49         | 769.75          |
| <b>Sub-Total-(II)</b>                                     |                                                                         | <b>343.14</b>  | <b>431.85</b>  | <b>661.55</b>  | <b>829.01</b>  | <b>682.07</b>  | <b>2947.62</b>  |
| <b>III) Others</b>                                        |                                                                         |                |                |                |                |                |                 |
| 1                                                         | Office Equipment                                                        | 3.20           | 2.94           | 3.41           | 5.82           | 5.50           | 20.87           |
| 2                                                         | Furniture & Fixtures                                                    | 0.11           | 0.16           | 0.24           | 0.58           | 1.85           | 2.94            |
| 3                                                         | Buildings                                                               | 2.40           | 0.14           | 0.73           | 0.14           | 2.07           | 5.48            |
| 4                                                         | Communication,Meter Testing,Misc equipment                              |                |                | 0.72           |                |                | 0.72            |
| 5                                                         | Vehicles                                                                |                |                | 0.88           | 0.93           |                | 1.81            |
| <b>Sub-Total-(III)</b>                                    |                                                                         | <b>5.71</b>    | <b>3.24</b>    | <b>5.98</b>    | <b>7.47</b>    | <b>9.42</b>    | <b>31.82</b>    |
| <b>IV) Interest During Construction (IDC) Capitalised</b> |                                                                         | <b>25.39</b>   | <b>26.97</b>   | <b>32.57</b>   | <b>52.03</b>   | <b>82.92</b>   | <b>219.88</b>   |
| <b>Total Transmission</b>                                 |                                                                         | <b>482.06</b>  | <b>555.91</b>  | <b>906.91</b>  | <b>1092.35</b> | <b>1221.09</b> | <b>4258.32</b>  |
| 1                                                         | Distribution                                                            | 1754.42        | 1872.75        | 1942.43        | 1577.26        | 2147.81        | 9294.67         |
| <b>Total</b>                                              |                                                                         | <b>2236.48</b> | <b>2428.66</b> | <b>2849.34</b> | <b>2669.61</b> | <b>3240.16</b> | <b>13424.25</b> |

**5.9 Proposed Capacity Additions During 12th plan period**

| Sl. No.    | Name of the Project                                             | Capacity Envisaged (MW) | 2012-13       | 2013-14       | 2014-15        | 2015-16        | 2016-17  | Total 12th Plan |
|------------|-----------------------------------------------------------------|-------------------------|---------------|---------------|----------------|----------------|----------|-----------------|
| <b>I</b>   | <b>State Sector (APGENCO)</b>                                   | <b>17190</b>            | <b>0</b>      | <b>0</b>      | <b>800</b>     | <b>800</b>     | <b>0</b> | <b>1600</b>     |
|            | Nagarjuna Sagar Tail Pond (2x25MW)                              | 50                      |               |               |                |                |          | 0               |
|            | Lower Jurala (6x40MW)                                           | 240                     |               |               |                |                |          | 0               |
|            | Pulichintala (4x30MW)                                           | 120                     |               |               |                |                |          | 0               |
|            | Polavaram (12x80MW)                                             | 960                     |               |               |                |                |          | 0               |
|            | Vijayawada TPS Stage V (1x800 MW)                               | 800                     |               |               |                |                |          |                 |
|            | Rayalaseema TPP Stage IV Unit 6 (1x600 MW)                      | 600                     |               |               |                |                |          |                 |
|            | Kakatiya TPP Stage II (1x600 MW) Unit-2                         | 600                     |               |               |                |                |          |                 |
|            | Kakatiya TPP Stage III (1x800 MW) Unit-1                        | 800                     |               |               |                |                |          |                 |
|            | Kothagudem TPS Stage VII (1x800 MW)                             | 800                     |               |               |                |                |          |                 |
|            | Krishnapatnam TPP (JVP) Stage I (2x800 MW)                      | 1600                    |               |               | 800            |                |          | 800             |
|            | Krishnapatnam TPP (JVP) Stage II (1x800 MW)                     | 800                     |               |               |                | 800            |          | 800             |
|            | Karimnagar Gas PP Stage I (1X700MW)                             | 700                     |               |               |                |                |          | 0               |
|            | Karimnagar Gas PP Stage II (2X700MW)                            | 1400                    |               |               |                |                |          | 0               |
|            | Vodarevu Ultra mega power Project (5x800MW)                     | 4000                    |               |               |                |                |          | 0               |
|            | Ramagundam TPS (2x660)                                          | 1320                    |               |               |                |                |          |                 |
|            | Srikakulam Thermal power plants(4x600)                          | 2400                    |               |               |                |                |          | 0               |
| <b>II</b>  | <b>Medium / Case-1 Bid</b>                                      | <b>1600</b>             | <b>0</b>      | <b>0</b>      | <b>0</b>       | <b>230.55</b>  | <b>0</b> | <b>230.55</b>   |
|            | Corporate Power (MT)                                            | 150                     |               |               |                |                |          |                 |
|            | KSK Mahanadi (MT)                                               | 400                     |               |               |                |                |          |                 |
|            | East Coast Energy Pvt Ltd (Srikakulam)                          | 300                     |               |               |                |                |          | 0               |
|            | Thermal Power Tech Ltd.(Nellore)                                | 500                     |               |               |                | 230.55         |          | 230.55          |
|            | Krishnapatnam Power Corp.Ltd.(Nellore)                          | 250                     |               |               |                |                |          | 0               |
| <b>III</b> | <b>Private Projects</b>                                         | <b>4090</b>             | <b>0</b>      | <b>0</b>      | <b>0</b>       | <b>520</b>     | <b>0</b> | <b>520</b>      |
|            | Hinduja Power Plant                                             | 1040                    |               |               |                | 520            |          | 520             |
|            | Krishnapatnam Ultra Mega Power Project (2x800MW)                | 1600                    |               |               |                |                |          | 0               |
|            | Singareni                                                       | 1050                    |               |               |                |                |          | 0               |
|            | UMPP Cheyyur                                                    | 400                     |               |               |                |                |          | 0               |
| <b>IV</b>  | <b>Non-conventional Projects</b>                                | <b>0</b>                | <b>200.38</b> | <b>255.6</b>  | <b>357.9</b>   | <b>843.09</b>  | <b>0</b> | <b>1656.97</b>  |
|            | Wind                                                            |                         | 193.90        | 232.60        | 285.2          | 400.1          |          | 1111.8          |
|            | Solar                                                           |                         | 2.00          | 23.00         | 72.7           | 435.49         |          | 533.19          |
|            | Mini Hydel                                                      |                         |               |               |                |                |          | 0               |
|            | Bio-Mass,Bagasse Co-generation,Industrial Waste,Municipal Waste |                         | 4.48          |               |                | 7.5            |          | 11.98           |
| <b>V</b>   | <b>Central Generating Stations</b>                              | <b>8901</b>             | <b>64.45</b>  | <b>72.43</b>  | <b>64.13</b>   | <b>83.22</b>   | <b>0</b> | <b>284.23</b>   |
|            | Kudigi (5x800)                                                  | 4000                    |               |               |                |                |          | 0               |
|            | Vallur U-I, 500MW(JV of NTPC & Tamilnadu Energy                 | 500                     | 64.45         | 72.43         |                |                |          |                 |
|            | Tuticorin joint venture Plant                                   | 255                     |               |               |                |                |          | 0               |
|            | Neyveli                                                         | 114                     |               |               |                |                |          | 0               |
|            | Kalpakam                                                        | 132                     |               |               |                |                |          | 0               |
|            | Pudimadaka                                                      | 2400                    |               |               |                |                |          | 0               |
|            | Sirkali                                                         | 700                     |               |               |                |                |          | 0               |
|            | Bhutan Hydro                                                    | 800                     |               |               |                |                |          | 0               |
|            | <b>Total Capacity Programmed in 12th plan</b>                   | <b>31781</b>            | <b>264.83</b> | <b>328.03</b> | <b>1222.03</b> | <b>2476.86</b> | <b>0</b> | <b>4291.75</b>  |

| 5.10 ACHIEVEMENTS IN 12th FIVE YEAR PLAN - PHYSICAL |                                                                              |      |                        |                        |                        |                        |                        |                    |
|-----------------------------------------------------|------------------------------------------------------------------------------|------|------------------------|------------------------|------------------------|------------------------|------------------------|--------------------|
| S No                                                | ITEM                                                                         | Unit | 2012-13<br>Achievement | 2013-14<br>Achievement | 2014-15<br>Achievement | 2015-16<br>Achievement | 2016-17<br>Achievement | Total<br>12th Plan |
| 1                                                   | Electricity Sales                                                            | MU   | 67604.18               | 73126.20               | 40429                  | 44439                  |                        | 225598.026         |
| 2(I)                                                | Transmission Lines                                                           |      |                        |                        |                        |                        |                        |                    |
| a)                                                  | 400 kV                                                                       | CKM  | 803.83                 | 145                    | 301.65                 | 234.82                 |                        | 1485.295           |
| b)                                                  | 220 kV                                                                       | CKM  | 295.5                  | 470.75                 | 242.74                 | 456.24                 |                        | 1465.23            |
| c)                                                  | 132 kV                                                                       | CKM  | 344.85                 | 382.07                 | 156.62                 | 327.59                 |                        | 1211.13            |
| 2(II)                                               | Sub-Stations                                                                 |      |                        |                        |                        |                        |                        |                    |
| a)                                                  | 400 kV                                                                       | Nos  | 1                      | 1                      | 0                      | 0                      |                        | 2                  |
| b)                                                  | 220 kV                                                                       | Nos  | 8                      | 3                      | 0                      | 4                      |                        | 15                 |
| c)                                                  | 132 kV                                                                       | Nos  | 5                      | 17                     | 3                      | 12                     |                        | 37                 |
| d)                                                  | 33 kV shunt capacitor banks                                                  | MVAR | 5                      |                        | 0                      | 21.6                   |                        | 26.6               |
| e)                                                  | 132 kV shunt capacitor banks                                                 | MVAR |                        |                        |                        |                        |                        | 0                  |
| 3                                                   | Distribution & SI                                                            |      |                        |                        |                        |                        |                        |                    |
| a)                                                  | 33 KV Sub-stations                                                           | Nos  | 313                    | 298                    | 109                    | 95                     |                        | 815                |
| b)                                                  | Release of LT services other than agriculture                                | Nos  | 933550                 | 845372                 | 433342                 | 608035                 |                        | 2820299            |
| c)                                                  | Release of HT Services                                                       | Nos  | 1570                   | 1295                   | 502                    | 513                    |                        | 3880               |
| 4                                                   | Rural Electrification                                                        |      |                        |                        |                        |                        |                        |                    |
| a)                                                  | Laying of conventional lines in villages already electrified with SPV Panels | Nos  | 0                      | 0                      | 0                      | 0                      |                        | 0                  |
| b)                                                  | General Hamlets                                                              | Nos  | 75                     | 0                      | 0                      | 0                      |                        | 75                 |
| c)                                                  | Electrification of Dalitwadas                                                | Nos  | 0                      | 7                      | 87                     | 3                      |                        | 97                 |
| d)                                                  | Electrification of Weaker section colonies                                   | Nos  | 0                      | 0                      | 0                      | 0                      |                        | 0                  |
| e)                                                  | Tribal Hamlets                                                               | Nos  | 0                      | 10                     | 47                     | 128                    |                        | 185                |
| f)                                                  | Energisation of Agricultural pumpsets                                        | Nos  | 0                      | 0                      | 60828                  | 72360                  |                        | 133188             |

# 5.11 ACHIEVEMENTS IN 12th FIVE YEAR PLAN -FINANCIAL APTRANSCO

(Rs in Crs)

| S No                                                      | Details                                                    | 2012-13        | 2013-14        | 2014-15       | 2015-16        | 2016-17     | Total 12th Plan |
|-----------------------------------------------------------|------------------------------------------------------------|----------------|----------------|---------------|----------------|-------------|-----------------|
| <b>I) 400 KV Schemes</b>                                  |                                                            |                |                |               |                |             |                 |
| 1                                                         | 400 kV Ring main around twin cities of Hyd and RR District | 90.55          | 9.54           |               |                |             | 100.09          |
| 2                                                         | 400kV Bhoopalapally Transmission scheme                    | 16.58          | 4.46           |               |                |             | 21.04           |
| 3                                                         | 400 kV Jaipur Transmission scheme                          |                | 106.77         |               |                |             | 106.77          |
| 4                                                         | 400kv Augmentation scheme                                  | 3.09           | 24.78          |               |                |             | 27.87           |
| 5                                                         | Suryapeta SS & System Improvement Scheme                   |                | 17.16          | 147.16        | 48.49          |             | 212.81          |
| 6                                                         | Short Genstation Transmission Project-II                   | 63.89          | 145.58         | 34.22         | 2.30           |             | 245.99          |
| 7                                                         | Vijayawada Power Transmission scheme                       | 40.38          | 7.61           |               | 2.61           |             | 50.60           |
| 8                                                         | 400 kV Kothagudem Power Transmission Scheme                | 0.17           |                |               |                |             | 0.17            |
| 9                                                         | 400 kV Augmentation scheme III                             |                | 14.27          | 4.23          |                |             | 18.50           |
| 10                                                        | 400 kV Krishnapatnam Transmission scheme                   | 206.99         | 223.76         | 41.68         | 30.32          |             | 502.75          |
| 11                                                        | Renovation & Modernisation scheme                          | 35.86          | 33.41          | 13.13         | 24.36          |             | 106.76          |
| 12                                                        | 400kV Reactor scheme I & II                                | 6.57           | 1.26           | 5.77          |                |             | 13.60           |
| 13                                                        | Transmission Evacuation Scheme of M/s HNPCL                |                | 10.50          | 6.63          | 158.11         |             | 175.24          |
| 14                                                        | Other Assets & Schemes                                     |                | 74.01          | 33.93         | 12.12          |             | 120.06          |
| 15                                                        | Wind Power Transmission Scheme                             |                |                | 146.25        | 977.47         |             | 1123.72         |
| 16                                                        | Rayalaseema Thermal Plant Power Transmission scheme        |                |                | 7.10          | 94.91          |             | 102.01          |
| 17                                                        | Garividi & Pydibhimavaram Transmission system improvement  |                |                | 10.20         | 35.68          |             | 45.88           |
| 18                                                        | Chittoor Nellore Power Transmission Scheme                 |                |                |               | 36.88          |             |                 |
| 19                                                        | Erection of 400/220KV SS at Podili,Prakasam Dt             |                |                |               | 4.67           |             |                 |
| <b>Sub-Total-I</b>                                        |                                                            | <b>464.08</b>  | <b>673.11</b>  | <b>450.30</b> | <b>1427.92</b> | <b>0.00</b> | <b>2973.86</b>  |
| <b>II) Construction Schemes</b>                           |                                                            |                |                |               |                |             |                 |
| 1                                                         | Normal plan (AP Transco Funds)                             | 4.36           | 38.80          | 6.84          | 151.20         |             | 201.20          |
| 2                                                         | Schemes under Bank funding                                 | 216.85         | 130.66         | 241.14        | 90.38          |             | 679.03          |
| 3                                                         | Schemes under PFC funding                                  | 35.83          | 41.92          | 56.56         | 99.79          |             | 234.10          |
| 4                                                         | Schemes under REC funding                                  | 54.39          | 60.02          | 57.77         | 92.69          |             | 264.87          |
| 5                                                         | DC/Bulk load works                                         | 46.05          | 62.21          | 5.81          | 41.73          |             | 155.80          |
| 6                                                         | GIS &UG Cable Project in HMDA Area                         | 207.07         | 242.93         |               |                |             | 450.00          |
| 7                                                         | HNSS (BL&DC)                                               |                |                | 19.80         | 55.66          |             | 75.46           |
| 8                                                         | GKLI (BL&DC)                                               |                |                | 39.95         | 48.80          |             | 88.75           |
| <b>Sub-Total-(II)</b>                                     |                                                            | <b>564.55</b>  | <b>576.54</b>  | <b>427.87</b> | <b>580.25</b>  | <b>0.00</b> | <b>2149.21</b>  |
| <b>III) Others</b>                                        |                                                            |                |                |               |                |             |                 |
| 1                                                         | Office Equipment                                           | 2.74           | 5.26           | 3.77          | 5.81           |             | 17.58           |
| 2                                                         | Furniture & Fixtures                                       | 0.17           | 0.45           | 0.41          | 0.22           |             | 1.25            |
| 3                                                         | Buildings                                                  | -0.40          | 2.08           | 0.28          | 0.06           |             | 2.02            |
| 4                                                         | Communication,Meter Testing,Misc equipment                 | 2.26           |                |               |                |             | 2.26            |
| 5                                                         | Vehicles                                                   | 3.56           |                |               |                |             | 3.56            |
| 6                                                         | Plant and Machinery                                        |                |                | 6.94          | 4.08           |             | 11.02           |
| 7                                                         | Advance to Suppliers                                       |                |                | 1.14          | 5.02           |             | 6.16            |
| <b>Sub-Total-(III)</b>                                    |                                                            | <b>8.33</b>    | <b>7.79</b>    | <b>12.54</b>  | <b>15.19</b>   | <b>0.00</b> | <b>43.85</b>    |
| <b>IV) Interest During Construction (IDC) Capitalised</b> |                                                            | <b>98.6</b>    | <b>115.53</b>  | <b>78.00</b>  | <b>125.09</b>  |             | <b>417.22</b>   |
| <b>Total Transmission</b>                                 |                                                            | <b>1135.56</b> | <b>1372.97</b> | <b>968.71</b> | <b>2148.45</b> | <b>0.00</b> | <b>5584.14</b>  |

## **6. A.P.GENCO GENERATION**

## **6. A.P.GENCO GENERATION**

| <b>6.1 PATTERN OF INSTALLED CAPACITY IN ANDHRA PRADESH (1960-61 TO 2015-16)</b> |      |                              |         |        |              |                              |                     |                  |                                        |          |
|---------------------------------------------------------------------------------|------|------------------------------|---------|--------|--------------|------------------------------|---------------------|------------------|----------------------------------------|----------|
| Year                                                                            | Unit | Installed Capacity : APGENCO |         |        |              | Installed Capacity : Private |                     |                  | Central                                | Total    |
|                                                                                 |      | Hydel                        | Thermal | Gas    | Wind & Solar | Mini Hydel                   | Gas & Others (IPPs) | Non-conventional | NTPC, Neyveli, MAPP, Simhadri, Talcher |          |
| 1960-61                                                                         | MW   | 124.00                       | 89.00   |        |              |                              |                     |                  |                                        | 213.00   |
|                                                                                 | %    | 58.22                        | 41.78   |        |              |                              |                     |                  |                                        | 100.00   |
| 1973-74                                                                         | MW   | 271.60                       | 400.00  |        |              |                              |                     |                  |                                        | 671.60   |
|                                                                                 | %    | 40.44                        | 59.56   |        |              |                              |                     |                  |                                        | 100.00   |
| 1979-80                                                                         | MW   | 841.60                       | 1050.00 |        |              |                              |                     |                  |                                        | 1891.60  |
|                                                                                 | %    | 44.49                        | 55.51   |        |              |                              |                     |                  |                                        | 100.00   |
| 1984-85                                                                         | MW   | 1971.40                      | 1192.50 |        |              |                              |                     |                  | 162.00                                 | 3325.90  |
|                                                                                 | %    | 59.27                        | 35.85   |        |              |                              |                     |                  | 4.87                                   | 100.00   |
| 1987-88                                                                         | MW   | 2431.21                      | 1192.50 |        |              |                              |                     |                  | 299.00                                 | 3922.71  |
|                                                                                 | %    | 61.98                        | 30.40   |        |              |                              |                     |                  | 7.62                                   | 100.00   |
| 1988-89                                                                         | MW   | 2431.21                      | 1192.50 |        |              |                              |                     |                  | 577.00                                 | 4200.71  |
|                                                                                 | %    | 57.88                        | 28.39   |        |              |                              |                     |                  | 13.74                                  | 100.00   |
| 1989-90                                                                         | MW   | 2431.21                      | 1402.50 |        |              |                              |                     |                  | 717.00                                 | 4550.71  |
|                                                                                 | %    | 53.42                        | 30.82   |        |              |                              |                     |                  | 15.76                                  | 100.00   |
| 1990-91                                                                         | MW   | 2461.21                      | 1612.50 | 66.00  |              |                              |                     |                  | 762.00                                 | 4901.71  |
|                                                                                 | %    | 50.21                        | 32.90   | 1.35   |              |                              |                     |                  | 15.55                                  | 100.00   |
| 1991-92                                                                         | MW   | 2462.21                      | 1612.50 | 100.00 |              |                              |                     |                  | 807.00                                 | 4981.71  |
|                                                                                 | %    | 49.42                        | 32.37   | 2.01   |              |                              |                     |                  | 16.20                                  | 100.00   |
| 1992-93                                                                         | MW   | 2524.21                      | 1612.50 | 100.00 |              |                              |                     |                  | 852.00                                 | 5088.71  |
|                                                                                 | %    | 49.60                        | 31.69   | 1.97   |              |                              |                     |                  | 16.74                                  | 100.00   |
| 1993-94                                                                         | MW   | 2605.21                      | 2032.50 | 100.00 |              |                              |                     |                  | 897.00                                 | 5634.71  |
|                                                                                 | %    | 46.24                        | 36.07   | 1.77   |              |                              |                     |                  | 15.92                                  | 100.00   |
| 1994-95                                                                         | MW   | 2665.21                      | 2452.50 | 100.00 | 2.00         |                              |                     | 2.93             | 897.00                                 | 6119.64  |
|                                                                                 | %    | 43.55                        | 40.08   | 1.63   | 0.03         |                              |                     | 0.05             | 14.66                                  | 100.00   |
| 1995-96                                                                         | MW   | 2666.21                      | 2452.50 | 100.00 | 2.00         | 3.75                         |                     | 41.85            | 897.00                                 | 6163.31  |
|                                                                                 | %    | 43.26                        | 39.79   | 1.62   | 0.03         | 0.06                         |                     | 0.68             | 14.55                                  | 100.00   |
| 1996-97                                                                         | MW   | 2666.21                      | 2702.50 | 212.00 | 2.00         | 3.75                         | 232.70              | 53.99            | 897.00                                 | 6770.15  |
|                                                                                 | %    | 39.38                        | 39.92   | 3.13   | 0.03         | 0.06                         | 3.44                | 0.80             | 13.25                                  | 100.00   |
| 1997-98                                                                         | MW   | 2666.21                      | 2952.50 | 272.00 | 2.00         | 15.75                        | 423.90              | 55.49            | 885.00                                 | 7272.85  |
|                                                                                 | %    | 36.66                        | 40.60   | 3.74   | 0.03         | 0.22                         | 5.83                | 0.76             | 12.17                                  | 100.00   |
| 1998-99                                                                         | MW   | 2666.21                      | 2952.50 | 272.00 | 2.00         | 27.25                        | 423.90              | 112.49           | 885.00                                 | 7341.35  |
|                                                                                 | %    | 36.32                        | 40.22   | 3.71   | 0.03         | 0.37                         | 5.77                | 1.53             | 12.06                                  | 100.00   |
| 1999-2K                                                                         | MW   | 2681.21                      | 2952.50 | 272.00 | 2.00         | 43.45                        | 423.90              | 186.75           | 942.50                                 | 7504.31  |
|                                                                                 | %    | 35.73                        | 39.34   | 3.62   | 0.03         | 0.58                         | 5.65                | 2.49             | 12.56                                  | 100.00   |
| 2000-01                                                                         | MW   | 2682.21                      | 2952.50 | 272.00 | 2.00         | 62.35                        | 778.90              | 230.00           | 1000.00                                | 7979.96  |
|                                                                                 | %    | 33.61                        | 37.00   | 3.41   | 0.03         | 0.78                         | 9.76                | 2.88             | 12.53                                  | 100.00   |
| 2001-02                                                                         | MW   | 2982.21                      | 2952.50 | 272.00 | 2.00         | 76.95                        | 918.90              | 351.34           | 1500.00                                | 9055.90  |
|                                                                                 | %    | 32.93                        | 32.60   | 3.00   | 0.02         | 0.85                         | 10.15               | 3.88             | 16.56                                  | 100.00   |
| 2002-03                                                                         | MW   | 3432.21                      | 2962.50 | 272.00 | 2.00         | 80.26                        | 998.90              | 474.73           | 2106.25                                | 10328.85 |
|                                                                                 | %    | 33.23                        | 28.68   | 2.63   | 0.02         | 0.78                         | 9.67                | 4.60             | 20.39                                  | 100.00   |
| 2003-04                                                                         | MW   | 3586.36                      | 2972.50 | 272.00 | 2            | 84.25                        | 998.88              | 567.07           | 2212.5                                 | 10695.56 |
|                                                                                 | %    | 33.53                        | 27.79   | 2.54   | 0.02         | 0.79                         | 9.34                | 5.30             | 20.69                                  | 100.00   |
| 2004-05                                                                         | MW   | 3586.36                      | 2992.50 | 272.00 | 2.00         | 91.40                        | 998.88              | 591.57           | 2571.00                                | 11105.71 |
|                                                                                 | %    | 32.29                        | 26.95   | 2.45   | 0.02         | 0.82                         | 8.99                | 5.33             | 23.15                                  | 100.00   |
| 2005-06                                                                         | MW   | 3586.36                      | 2962.50 | 272.00 | 2.00         | 101.40                       | 996.62              | 613.37           | 2616.94                                | 11151.19 |
|                                                                                 | %    | 32.16                        | 26.57   | 2.44   | 0.02         | 0.91                         | 8.94                | 5.50             | 23.47                                  | 100.00   |
| 2006-07                                                                         | MW   | 3586.36                      | 3172.50 | 272.00 | 2.00         | 101.40                       | 1366.62             | 640.74           | 2854.69                                | 11996.31 |
|                                                                                 | %    | 29.90                        | 26.45   | 2.27   | 0.02         | 0.85                         | 11.39               | 5.34             | 23.80                                  | 100.00   |
| 2007-08                                                                         | MW   | 3625.36                      | 3382.50 | 272.00 | 2.00         | 101.40                       | 1366.62             | 668.49           | 2963.22                                | 12381.59 |
|                                                                                 | %    | 29.28                        | 27.32   | 2.20   | 0.02         | 0.82                         | 11.04               | 5.40             | 23.93                                  | 100.00   |
| 2008-09                                                                         | MW   | 3664.36                      | 3382.50 | 272.00 | 2.00         | 104.40                       | 1366.62             | 672.15           | 2963.22                                | 12427.25 |
|                                                                                 | %    | 29.60                        | 27.32   | 2.20   | 0.02         | 0.84                         | 11.04               | 5.43             | 23.93                                  | 100.00   |
| 2009-10                                                                         | MW   | 3703.36                      | 4382.50 | 272.00 | 2.00         | 104.40                       | 2330.62             | 782.10           | 3048.54                                | 14625.52 |
|                                                                                 | %    | 25.32                        | 29.96   | 1.86   | 0.01         | 0.71                         | 15.94               | 5.35             | 20.84                                  | 100.00   |
| 2010-11                                                                         | MW   | 3790.36                      | 4592.50 | 272.00 | 2.00         | 104.40                       | 2494.70             | 864.40           | 2882.68                                | 15003.04 |
|                                                                                 | %    | 25.26                        | 30.61   | 1.81   | 0.01         | 0.70                         | 16.63               | 5.76             | 19.21                                  | 100.00   |
| 2011-12                                                                         | MW   | 3829.36                      | 5092.50 | 272.00 | 3.00         | 105.64                       | 2494.70             | 962.75           | 3116.54                                | 15876.49 |
|                                                                                 | %    | 24.12                        | 32.08   | 1.71   | 0.02         | 0.67                         | 15.71               | 6.06             | 19.63                                  | 100.00   |
| 2012-13                                                                         | MW   | 3829.36                      | 5092.50 | 272.00 | 3.00         | 105.64                       | 2494.70             | 1163.13          | 3428.97                                | 16389.30 |
|                                                                                 | %    | 23.37                        | 31.07   | 1.66   | 0.02         | 0.64                         | 15.22               | 7.10             | 20.92                                  | 100.00   |
| 2013-14                                                                         | MW   | 3829.36                      | 5092.50 | 272.00 | 3.00         | 105.64                       | 2494.70             | 1418.73          | 3501.40                                | 16717.33 |
|                                                                                 | %    | 40.19                        | 53.44   | 2.85   | 0.03         | 1.11                         | 26.18               | 14.89            | 36.74                                  | 175.44   |
| 2014-15                                                                         | MW   | 1671.29                      | 3148.15 | 34.29  | 2.00         | 89.10                        | 1256.14             | 1615.30          | 1712.73                                | 9529.00  |
|                                                                                 | %    | 17.54                        | 33.04   | 0.36   | 0.02         | 0.94                         | 13.18               | 16.95            | 17.97                                  | 100.00   |
| 2015-16                                                                         | MW   | 1671.29                      | 3948.15 | 34.29  | 2.00         | 89.10                        | 2438.53             | 2464.24          | 1795.95                                | 12443.55 |
|                                                                                 | %    | 13.43                        | 31.73   | 0.28   | 0.02         | 0.72                         | 19.60               | 19.80            | 14.43                                  | 100.00   |

| 6.1 PATTERN OF POWER GENERATION IN ANDHRA PRADESH (1960-61 TO 2015-16) |      |                     |          |         |      |                |                  |          |          |
|------------------------------------------------------------------------|------|---------------------|----------|---------|------|----------------|------------------|----------|----------|
| YEAR                                                                   | UNIT | Energy State Sector |          | Gas     | Wind | Private sector | Central Sector & | Others   | TOTAL    |
|                                                                        |      | Hydel               | Thermal  |         |      |                |                  |          |          |
| 1960-61                                                                | MU   | 610.00              | 174.00   |         |      |                |                  |          | 784.00   |
|                                                                        | %    | 77.80               | 22.20    |         |      |                |                  |          | 100.00   |
| 1973-74                                                                | MU   | 910.00              | 2196.00  |         |      |                |                  |          | 3106.00  |
|                                                                        | %    | 29.30               | 70.70    |         |      |                |                  |          | 100.00   |
| 1979-80                                                                | MU   | 3225.00             | 3268.00  |         |      |                |                  |          | 6493.00  |
|                                                                        | %    | 49.70               | 50.30    |         |      |                |                  |          | 100.00   |
| 1984-85                                                                | MU   | 6716.00             | 5835.00  |         |      |                | 834.00           |          | 13385.00 |
|                                                                        | %    | 50.20               | 43.60    |         |      |                | 6.20             |          | 100.00   |
| 1987-88                                                                | MU   | 5864.00             | 7986.00  |         |      |                | 1604.00          |          | 15454.00 |
|                                                                        | %    | 37.90               | 51.70    |         |      |                | 10.40            |          | 100.00   |
| 1988-89                                                                | MU   | 6878.00             | 7263.00  |         |      |                | 2376.00          |          | 16517.00 |
|                                                                        | %    | 41.64               | 43.97    |         |      |                | 14.39            |          | 100.00   |
| 1989-90                                                                | MU   | 7802.00             | 7222.00  |         |      |                | 3550.00          |          | 18574.00 |
|                                                                        | %    | 42.00               | 38.90    |         |      |                | 19.10            |          | 100.00   |
| 1990-91                                                                | MU   | 10017.00            | 8102.00  |         |      |                | 2725.00          |          | 20844.00 |
|                                                                        | %    | 48.00               | 38.90    |         |      |                | 13.10            |          | 100.00   |
| 1991-92                                                                | MU   | 9516.00             | 8726.00  |         |      |                | 4595.00          |          | 22837.00 |
|                                                                        | %    | 41.70               | 38.20    |         |      |                | 20.10            |          | 100.00   |
| 1992-93                                                                | MU   | 8758.00             | 9114.00  |         |      |                | 6748.00          |          | 24620.00 |
|                                                                        | %    | 35.57               | 37.02    |         |      |                | 27.41            |          | 100.00   |
| 1993-94                                                                | MU   | 9632.00             | 9639.00  | 525.00  |      |                | 7612.00          |          | 27408.00 |
|                                                                        | %    | 35.14               | 35.17    | 1.92    |      |                | 27.77            |          | 100.00   |
| 1994-95                                                                | MU   | 9687.00             | 10842.00 | 431.00  |      |                | 8449.00          |          | 29409.00 |
|                                                                        | %    | 32.94               | 36.87    | 1.47    |      |                | 28.73            |          | 100.00   |
| 1995-96                                                                | MU   | 6662.00             | 15103.00 | 540.00  | 8.00 |                | 7814.00          |          | 30127.00 |
|                                                                        | %    | 22.11               | 50.13    | 1.79    | 0.03 |                | 25.94            |          | 100.00   |
| 1996-97                                                                | MU   | 7969.29             | 16719.76 | 626.67  | 0.71 | 504.65         | 7308.33          |          | 33129.41 |
|                                                                        | %    | 24.06               | 50.47    | 1.89    | 0.00 | 1.52           | 22.06            |          | 100.00   |
| 1997-98                                                                | MU   | 7244.49             | 19019.69 | 1249.00 | 0.44 | 2049.67        | 7321.00          |          | 36884.29 |
|                                                                        | %    | 19.64               | 51.57    | 3.39    | 0.00 | 5.56           | 19.85            |          | 100.00   |
| 1998-99                                                                | MU   | 7189.24             | 19833.62 | 1798.82 | 0.64 | 2820.21        | 6921.05          |          | 38563.58 |
|                                                                        | %    | 18.64               | 51.43    | 4.66    | 0.00 | 7.31           | 17.95            |          | 100.00   |
| 1999-2K                                                                | MU   | 8132.00             | 21499.00 | 2006.34 | 1.18 | 4149.40        | 8221.00          |          | 44008.92 |
|                                                                        | %    | 18.48               | 48.85    | 4.56    | 0.00 | 9.43           | 18.68            |          | 100.00   |
| 2000-01                                                                | MU   | 7230.35             | 21934.25 | 1978.13 | 1.45 | 4945.67        | 9588.88          |          | 45678.73 |
|                                                                        | %    | 15.83               | 48.02    | 4.33    | 0.00 | 10.83          | 20.99            |          | 100.00   |
| 2001-02                                                                | MU   | 5757.00             | 22245.00 | 1951.35 |      | 6513.56        | 9645.92          | 838.17   | 46951.00 |
|                                                                        | %    | 12.26               | 47.38    | 4.16    |      | 13.87          | 20.54            | 1.79     | 100.00   |
| 2002-03                                                                | MU   | 3336.85             | 23032.54 | 2030.04 |      | 8169.00        | 11574.98         | -206.52  | 47936.89 |
|                                                                        | %    | 6.96                | 48.05    | 4.23    |      | 17.04          | 24.15            | -0.43    | 100.00   |
| 2003-04(*)                                                             | MU   | 2940.87             | 20401.25 | 2109.29 | 0.57 | 8636.46        | 13011.48         | 344.29   | 47444.21 |
|                                                                        | %    | 6.20                | 43.00    | 4.45    |      | 18.20          | 27.42            | 0.73     | 100.00   |
| 2004-05                                                                | MU   | 5264.95             | 21145.07 | 1908.20 | 2.25 | 8848.73        | 13774.03         | 179.58   | 51122.81 |
|                                                                        | %    | 10.30               | 41.36    | 3.73    | 0.00 | 17.31          | 26.94            | 0.35     | 100.00   |
| 2005-06                                                                | MU   | 7872.53             | 18718.33 | 1752.98 |      | 7730.29        | 15971.13         | 529.60   | 52574.86 |
|                                                                        | %    | 14.97               | 35.60    | 3.33    |      | 14.70          | 30.38            | 1.01     | 100.00   |
| 2006-07                                                                | MU   | 9246.63             | 19994.07 | 1445.47 |      | 7729.59        | 19487.34         | 167.36   | 58070.46 |
|                                                                        | %    | 15.92               | 34.43    | 2.49    |      | 13.31          | 33.56            | 0.29     | 100.00   |
| 2007-08                                                                | MU   | 9509.77             | 21451.57 | 1101.43 |      | 9003.87        | 19821.82         | 356.69   | 61245.15 |
|                                                                        | %    | 15.53               | 35.03    | 1.80    |      | 14.70          | 32.36            | 0.58     | 100.00   |
| 2008-09                                                                | MU   | 7702.54             | 23294.47 | 1440.69 |      | 8885.24        | 25315.86         | 747.96   | 67386.76 |
|                                                                        | %    | 11.43               | 34.57    | 2.14    |      | 13.19          | 37.57            | 1.11     | 100.00   |
| 2009-10                                                                | MU   | 5450.48             | 24101.16 | 2087.31 |      | 16025.76       | 22851.20         | 4095.95  | 74611.86 |
|                                                                        | %    | 7.31                | 32.30    | 2.80    |      | 21.48          | 30.63            | 5.49     | 100.00   |
| 2010-11                                                                | MU   | 7717.67             | 26845.62 | 1680.74 |      | 18004.95       | 19986.24         | 3528.83  | 77764.05 |
|                                                                        | %    | 9.92                | 34.52    | 2.16    |      | 23.15          | 25.70            | 4.54     | 100.00   |
| 2011-12(*)                                                             | MU   | 6375.55             | 32893.11 | 1447.93 |      | 16405.69       | 24953.20         | 3084.75  | 85160.23 |
|                                                                        | %    | 7.49                | 38.62    | 1.70    |      | 19.26          | 29.30            | 3.62     | 100.00   |
| 2012-13                                                                | MU   | 3206.64             | 34729.55 | 1140.08 |      | 11784.88       | 30413.50         | 923.41   | 82198.06 |
|                                                                        | %    | 3.90                | 42.25    | 1.39    |      | 14.34          | 37.00            | 1.12     | 100.00   |
| 2013-14                                                                | MU   | 7142.91             | 31706.00 | 1016.48 |      | 10055.06       | 37120.34         | 1150.28  | 88191.07 |
|                                                                        | %    | 8.10                | 35.95    | 1.15    |      | 11.40          | 42.09            | 1.30     | 100.00   |
| 2014-15<br>(Apr-May)                                                   | MU   | 621.37              | 5702.66  | 172.60  |      | 1827.07        | 6898.06          | 163.64   | 15385.40 |
|                                                                        | %    | 4.04                | 37.07    | 1.12    |      | 11.88          | 44.84            | 1.06     | 100.00   |
| 2014-15<br>(Jun-Mar)                                                   | MU   | 3204.74             | 16228.48 | 456.70  |      | 5279.12        | 14219.62         | 869.94   | 40258.60 |
|                                                                        | %    | 7.96                | 40.31    | 1.13    |      | 13.11          | 35.32            | 2.16     | 100.00   |
| 2015-16                                                                | MU   | 2441.01             | 22044.42 | 682.09  |      | 5961.59        | 8525.80          | 10732.75 | 50387.66 |
|                                                                        | %    | 4.84                | 43.75    | 1.35    |      | 11.83          | 16.92            | 21.30    | 100.00   |

## 6.2 A.P - PROGRESS IN INSTALLED CAPACITY

| Year    | State Sector |         | Share from Central Sector | Total   |
|---------|--------------|---------|---------------------------|---------|
|         | Hydel        | Thermal |                           |         |
| 1959-60 | 124.00       | 89      | ---                       | 213     |
| 1960-61 | 124.00       | 89      | ---                       | 213     |
| 1961-62 | 119.00       | 94      | ---                       | 213     |
| 1962-63 | 119.00       | 94      | ---                       | 213     |
| 1963-64 | 126.00       | 114     | ---                       | 240     |
| 1964-65 | 151.60       | 144     | ---                       | 295.6   |
| 1965-66 | 151.60       | 139     | ---                       | 290.6   |
| 1966-67 | 151.60       | 259     |                           | 410.6   |
| 1967-68 | 271.60       | 361     | ---                       | 632.6   |
| 1968-69 | 271.60       | 342     | ---                       | 613.6   |
| 1969-70 | 271.60       | 337     | ---                       | 608.6   |
| 1970-71 | 271.60       | 337     | ---                       | 608.6   |
| 1971-72 | 271.60       | 400     | ---                       | 671.6   |
| 1972-73 | 271.60       | 400     | ---                       | 671.6   |
| 1973-74 | 271.60       | 400     | ---                       | 671.6   |
| 1974-75 | 271.60       | 620     | ---                       | 891.6   |
| 1975-76 | 386.60       | 620     | ---                       | 1006.6  |
| 1976-77 | 501.60       | 620     | ---                       | 1121.6  |
| 1977-78 | 726.60       | 840     | ---                       | 1566.6  |
| 1978-79 | 841.60       | 840     | ---                       | 1681.6  |
| 1979-80 | 841.60       | 1050    | ---                       | 1891.6  |
| 1980-81 | 1043.20      | 1260    | ---                       | 2303.2  |
| 1981-82 | 1043.20      | 1260    | ---                       | 2303.2  |
| 1982-83 | 1494.80      | 1247.5  | ---                       | 2742.3  |
| 1983-84 | 1659.80      | 1247.5  | 54                        | 2961.3  |
| 1984-85 | 1971.40      | 1192.5  | 162                       | 3325.9  |
| 1985-86 | 2182.42      | 1192.5  | 202                       | 3576.92 |
| 1986-87 | 2411.42      | 1192.5  | 234                       | 3837.92 |
| 1987-88 | 2431.21      | 1192.5  | 299                       | 3922.71 |
| 1988-89 | 2431.21      | 1192.5  | 577                       | 4200.71 |
| 1989-90 | 2431.21      | 1402.5  | 717                       | 4550.71 |

(Contd.,)

| 6.2 A.P - PROGRESS IN INSTALLED CAPACITY |              |         |              |                  |                           |                |            |         |               |          |                   |                   |        |        |          |
|------------------------------------------|--------------|---------|--------------|------------------|---------------------------|----------------|------------|---------|---------------|----------|-------------------|-------------------|--------|--------|----------|
| (MW)                                     |              |         |              |                  |                           |                |            |         |               |          |                   |                   |        |        |          |
| Year                                     | State Sector |         |              | Joint Sector Gas | Share from Central Sector | Private Sector |            |         |               |          |                   |                   |        |        | Total    |
|                                          | Hydel        | Thermal | Wind & Solar |                  |                           | Gas            | Mini Hydel | Wind    | Co-Generation |          | Bio-Mass Projects | Mini power plants | Solar  | others |          |
|                                          |              |         |              |                  |                           |                |            |         | Bagasse       | Bio-Mass |                   |                   |        |        |          |
| 1990-91                                  | 2461.21      | 1612.50 | -            | 66.00            | 762.00                    | -              | -          | -       | -             | -        | -                 | -                 | -      | -      | 4901.71  |
| 1991-92                                  | 2462.21      | 1612.50 | -            | 100.00           | 807.00                    | -              | -          | -       | -             | -        | -                 | -                 | -      | -      | 4981.71  |
| 1992-93                                  | 2524.21      | 1612.50 | -            | 100.00           | 852.00                    | -              | -          | -       | -             | -        | -                 | -                 | -      | -      | 5088.71  |
| 1993-94                                  | 2605.21      | 2032.50 | -            | 100.00           | 897.00                    | -              | -          | -       | -             | -        | -                 | -                 | -      | -      | 5634.71  |
| 1994-95                                  | 2665.21      | 2452.50 | 2.00         | 100.00           | 897.00                    | -              | -          | 2.93    | -             | -        | -                 | -                 | -      | -      | 6119.64  |
| 1995-96                                  | 2666.21      | 2452.50 | 2.00         | 100.00           | 897.00                    | -              | 3.75       | 41.85   | -             | -        | -                 | -                 | -      | -      | 6163.31  |
| 1996-97                                  | 2666.21      | 2702.50 | 2.00         | 212.00           | 897.00                    | 232.70         | 3.75       | 51.24   | -             | 1.50     | -                 | -                 | -      | -      | 6768.90  |
| 1997-98                                  | 2666.21      | 2952.50 | 2.00         | 272.00           | 885.00                    | 423.90         | 15.75      | 52.74   | -             | 1.50     | -                 | -                 | -      | -      | 7271.60  |
| 1998-99                                  | 2666.21      | 2952.50 | 2.00         | 272.00           | 885.00                    | 423.90         | 27.25      | 58.74   | 9.00          | 1.50     | 1.00              | -                 | -      | 41.00  | 7340.10  |
| 1999-2K                                  | 2681.21      | 2952.50 | 2.00         | 272.00           | 942.50                    | 423.90         | 43.45      | 84.99   | 14.00         | 1.50     | 1.00              | 40.31             | -      | 43.70  | 7503.06  |
| 2000-01                                  | 2682.21      | 2952.50 | 2.00         | 272.00           | 1000.00                   | 778.90         | 62.35      | 88.74   | 15.50         | 6.70     | 29.00             | 40.31             | -      | 43.70  | 7973.91  |
| 2001-02                                  | 2982.21      | 2952.50 | 2.00         | 272.00           | 1500.00                   | 918.90         | 76.95      | 90.43   | 37.50         | 9.70     | 73.50             | 78.11             | -      | 62.10  | 9055.90  |
| 2002-03                                  | 3432.21      | 2962.50 | 2.00         | 272.00           | 2106.25                   | 998.88         | 80.26      | 90.43   | 89.50         | 16.70    | 119.50            | 93.5              | -      | 65.10  | 10328.83 |
| 2003-04                                  | 3586.36      | 2972.50 | 2.00         | 272.00           | 2212.50                   | 998.88         | 84.26      | 90.43   | 114.50        | 20.43    | 165.50            | 93.5              | -      | 82.70  | 10695.56 |
| 2004-05                                  | 3586.36      | 2992.50 | 2.00         | 272.00           | 2571.00                   | 998.88         | 91.40      | 95.49   | 114.50        | 20.43    | 178.50            | 93.51             | -      | 89.14  | 11105.71 |
| 2005-06                                  | 3586.36      | 2962.50 | 2.00         | 272.00           | 2616.94                   | 996.62         | 101.41     | 99.49   | 151.50        | 20.43    | 178.50            | 74.31             | -      | 89.13  | 11151.19 |
| 2006-07                                  | 3586.36      | 3172.50 | 2.00         | 272.00           | 2854.69                   | 1366.62        | 101.40     | 101.34  | 158.20        | 29.25    | 182.50            | 74.31             | -      | 95.14  | 11996.31 |
| 2007-08                                  | 3625.36      | 3382.50 | 2.00         | 272.00           | 2963.22                   | 1366.62        | 101.40     | 101.34  | 174.45        | 29.25    | 190.50            | 74.31             | -      | 98.64  | 12381.59 |
| 2008-09                                  | 3664.36      | 3382.50 | 2.00         | 272.00           | 2963.22                   | 1366.62        | 104.40     | 101.34  | 174.45        | 29.25    | 190.50            | 74.31             | -      | 102.30 | 12427.25 |
| 2009-10                                  | 3703.36      | 4382.5  | 2.00         | 272.00           | 3048.54                   | 2330.62        | 104.4      | 114.94  | 270.8         | 29.25    | 190.5             | 74.31             | -      | 102.3  | 14625.52 |
| 2010-11                                  | 3790.36      | 4592.5  | 2.00         | 272.00           | 2882.68                   | 2494.7         | 104.4      | 187.74  | 270.8         | 29.25    | 190.5             | 74.31             | 2      | 109.8  | 15003.04 |
| 2011-12                                  | 3829.36      | 5092.50 | 3.00         | 272.00           | 3116.54                   | 2494.70        | 105.64     | 237.39  | 274.00        | 29.25    | 205.25            | 74.31             | 20.75  | 121.80 | 15876.49 |
| 2012-13                                  | 3829.36      | 5092.50 | 3.00         | 272.00           | 3428.97                   | 2494.70        | 105.64     | 431.29  | 274.00        | 29.25    | 205.25            | 78.79             | 22.75  | 121.80 | 16389.30 |
| 2013-14                                  | 3829.36      | 5092.50 | 3.00         | 272.00           | 3501.40                   | 2494.70        | 105.64     | 663.89  | 274.00        | 29.25    | 205.25            | 78.79             | 45.75  | 121.80 | 16717.33 |
| 2014-15                                  | 1671.29      | 3148.15 | 2.00         | 34.29            | 1712.73                   | 1150.31        | 89.10      | 1016.22 | 206.95        | 50.37    | 171.25            | 78.79             | 134.85 | 59.70  | 9526.00  |
| 2015-16                                  | 1671.29      | 3948.15 | 2.00         | 34.29            | 1795.95                   | 1578.95        | 89.1       | 1416.32 | 206.95        | 50.37    | 171.25            | 82.00             | 579.19 | 817.75 | 12443.56 |

### 6.3 INSTALLED CAPACITY AND NET GENERATION IN 2015-16

| Sl.No | Name of the Power House                         | No.of Units x Capacity MW | Installed Capacity MW | Installed Capacity MW Share | Generation (ex-bus)during 2015-16 | Auxiliary Consump tion MU | Plant Load Factor % | Availability Factor % |
|-------|-------------------------------------------------|---------------------------|-----------------------|-----------------------------|-----------------------------------|---------------------------|---------------------|-----------------------|
| I     | THERMAL                                         |                           |                       |                             |                                   |                           |                     |                       |
| 1     | Vijayawada - I Unit 1                           | 1 x 210                   | 210.00                | 96.83                       | 2611.36                           | 147.99                    | 78.43               | 93.71                 |
|       | Vijayawada - I Unit 2                           | 1 x 210                   | 210.00                | 96.83                       |                                   | 151.90                    | 49.40               | 96.93                 |
|       | Vijayawada - II Unit 3                          | 1 x 210                   | 210.00                | 96.83                       | 2856.92                           | 159.62                    | 84.69               | 95.91                 |
|       | Vijayawada - II Unit 4                          | 1 x 210                   | 210.00                | 96.83                       |                                   | 162.01                    | 87.62               | 99.39                 |
|       | Vijayawada - III Unit 5                         | 1 x 210                   | 210.00                | 96.83                       | 2662.91                           | 148.90                    | 79.43               | 92.47                 |
|       | Vijayawada - III Unit 6                         | 1 x 210                   | 210.00                | 96.83                       |                                   | 157.11                    | 81.51               | 95.39                 |
|       | Vijayawada-IV                                   | 1x500                     | 500.00                | 230.55                      | 2841.48                           | 170.64                    | 68.48               | 80.34                 |
| 2     | R.T.P.P -I Unit 1                               | 1 x 210                   | 210.00                | 96.83                       | 2580.85                           | 165.56                    | 80.72               | 97.39                 |
|       | R.T.P.P -I Unit 2                               | 1 x 210                   | 210.00                | 96.83                       |                                   | 164.10                    | 77.06               | 92.24                 |
|       | R.T.P.P -II Unit 3                              | 1 x 210                   | 210.00                | 96.83                       | 2681.83                           | 138.90                    | 79.78               | 94.82                 |
|       | R.T.P.P -II Unit 4                              | 1 x 210                   | 210.00                | 96.83                       |                                   | 141.82                    | 80.41               | 94.43                 |
|       | R.T.P.P.Stg-3 Unit-5                            | 1 x 210                   | 210.00                | 96.83                       | 1280.07                           | 149.70                    | 77.37               | 91.89                 |
| 3     | SDS Thermal Power Project I & II, Krishnapatnam | 1x800<br>1x800            | 1600.00               | 1600.00                     | 4529.01                           | --                        | --                  | --                    |
| 4     | Share from TSTRANSCO                            |                           |                       | 1052.45                     |                                   | --                        | --                  | --                    |
|       | TOTAL                                           |                           |                       | 3948.14                     | 22044.43                          | 1858.25                   |                     |                       |
| II.   | HYDEL :                                         |                           |                       |                             |                                   |                           |                     |                       |
|       | 1. Machkund                                     | 3 x 17<br>3 x 23          | ✦ 84.00               | 38.73                       | 292.01                            | --                        |                     |                       |
|       | 2. T.B.H.E.S<br>(T.B. Dam & Hampi )             | 4 x 9<br>4 x 9            |                       |                             |                                   |                           |                     | ✦ 57.60               |
|       | 3. Upper Sileru                                 | 4 x 60                    |                       | 240.00                      | 240.00                            | 507.80                    |                     | 1.05                  |
|       | 4. Donkarayi                                    | 1 x 25                    |                       | 25.00                       | 25.00                             | 115.50                    |                     | 1.04                  |
|       | 5. Lower Sileru                                 | 4 x 115                   |                       | 460.00                      | 460.00                            | 1225.46                   |                     | 6.94                  |
|       | 6. Srisaillam RBHS                              | 7 x 110                   |                       | 770.00                      | 770.00                            | 205.22                    |                     | 3.04                  |
|       | 7.Nagarjunasagar RC PH                          | 3 x 30                    |                       | 90.00                       | 90.00                             | 0.00                      |                     | 0.45                  |
|       | 8.Penna Ahobilam                                | 2 x 10                    |                       | 20.00                       | 20.00                             | 7.03                      |                     | 0.30                  |
|       | 9.Mini Hydro/33&11kv plants                     | 12.16                     | 1.00                  | 1.00                        | 1.44                              | 0.01                      |                     |                       |
|       | TOTAL                                           |                           |                       | 1671.29                     | 2441.01                           | 12.83                     |                     |                       |
|       | 10.Wind APGENCO                                 |                           |                       | 2.00                        |                                   |                           |                     |                       |
| III.  | GAS (Joint Sector)                              |                           |                       |                             |                                   |                           |                     |                       |
|       | VGTS - I & II (Gov Share 58.8<br>* 58.32 %)     | ( 2 x 33)<br>+1x34        | 58.80                 | 34.29                       | 0.63                              |                           |                     |                       |
|       |                                                 | (1x112)<br>+1x60          |                       |                             | 681.46                            |                           |                     |                       |
|       |                                                 | Total Gas                 |                       |                             |                                   |                           | 682.09              |                       |
| IV.   | Utilisation from Central Projects :             |                           |                       | 1795.95                     | 15300.89                          |                           |                     |                       |
| V.    | Captive Power Plants                            |                           | --                    |                             | 518.13                            |                           |                     |                       |
| VI    | Private Sector Generation(**)                   |                           |                       | 4991.89                     |                                   |                           |                     |                       |
|       | 1.IPPs                                          |                           |                       |                             | 2865.48                           |                           |                     |                       |
|       | 2.MPPs                                          |                           |                       |                             | 13.02                             |                           |                     |                       |
|       | 3.132KV PD's(NCE's)                             |                           |                       |                             | 3096.11                           |                           |                     |                       |
| VII   | Purchases from other States/Regions             |                           |                       |                             |                                   |                           |                     |                       |
| VIII  | Others                                          |                           |                       |                             | 3876.50                           |                           |                     |                       |
|       | GRAND TOTAL (I TO VIII)                         |                           |                       | 12443.56                    | 50837.66                          | 1871.08                   |                     |                       |

(\*) Data collected from EBC

✦ A.P.Share

| 6.4 (A) COMMISSIONING DATES OF GENERATING UNITS<br>IN STATE SECTOR |                                                |                 |                |                     |                       |            |
|--------------------------------------------------------------------|------------------------------------------------|-----------------|----------------|---------------------|-----------------------|------------|
| SL.No.                                                             | Station                                        | Details of Unit | Capacity in MW | 46.11 % of Capacity | Date of Commissioning |            |
| I.                                                                 | APGENCO-THERMAL                                |                 |                |                     |                       |            |
| 1                                                                  | Ramagundam - B                                 |                 | 62.5           | 28.82               | 17.10.1971            |            |
| 2                                                                  | Kothagudem                                     | Unit-I          | 60             | 27.67               | 04.07.1966            |            |
|                                                                    |                                                | Unit-II         | 60             | 27.67               | 27.11.1966            |            |
|                                                                    |                                                | Unit-III        | 60             | 27.67               | 27.05.1967            |            |
|                                                                    |                                                | Unit-IV         | 60             | 27.67               | 08.07.1967            |            |
|                                                                    |                                                | Unit-V          | 120            | 55.33               | 13.08.1974            |            |
|                                                                    |                                                | Unit-VI         | 120            | 55.33               | 19.12.1974            |            |
|                                                                    |                                                | Unit-VII        | 120            | 55.33               | 10.03.1977            |            |
|                                                                    |                                                | Unit-VIII       | 120            | 55.33               | 10.01.1978            |            |
|                                                                    |                                                | Unit-IX         | 250            | 115.28              | 27.03.1997            |            |
|                                                                    |                                                | Unit-X          | 250            | 115.28              | 28.02.1998            |            |
|                                                                    |                                                | Unit-XI         | 500            | 230.55              | 26-06-2011            |            |
| 3                                                                  | Vijayawada                                     | Unit-I          | 210            | 96.83               | 01.11.1979            |            |
|                                                                    |                                                | Unit-II         | 210            | 96.83               | 10.10.1980            |            |
|                                                                    |                                                | Unit-III        | 210            | 96.83               | 05.10.1989            |            |
|                                                                    |                                                | Unit-IV         | 210            | 96.83               | 23.08.1990            |            |
|                                                                    |                                                | Unit-V          | 210            | 96.83               | 31.03.1994            |            |
|                                                                    |                                                | Unit-VI         | 210            | 96.83               | 24.02.1995            |            |
|                                                                    |                                                | Unit-VII        | 500            | 230.55              | 06-04-2009            |            |
| 4                                                                  | Royalaseema Stage -I                           | Unit-I          | 210            | 96.83               | 31.03.1994            |            |
|                                                                    |                                                | Unit-II         | 210            | 96.83               | 25.02.1995            |            |
| 5                                                                  | Royalaseema Stage -II                          | Unit-I          | 210            | 96.83               | 24.01.2007            |            |
|                                                                    |                                                | Unit-II         | 210            | 96.83               | 21.11.2007            |            |
| 6                                                                  | Rayalseema Stage-III                           | Unit - I        | 210            | 96.83               | 31-12-2010            |            |
| 7                                                                  | Kakatiya Stg-I                                 | Unit-I          | 500            | 230.55              | 31-03-2010            |            |
| 8                                                                  | SDS Thermal power project,krishnapatnam        | Unit-I          | 800            | 800.00              | 05-02-15              |            |
| 9                                                                  | SDS Thermal power project,krishnapatnam        | Unit-II         | 800            | 800.00              | 24-08-15              |            |
| Total Thermal                                                      |                                                |                 | 6692.50        | 3948.15             |                       |            |
| II                                                                 | APGENCO-HYDEL                                  |                 |                |                     |                       |            |
| 1                                                                  | Machkund                                       | Unit-I          | 17             | 5.49                | 19.08.1955            |            |
|                                                                    |                                                | Unit-II         | 17             | 5.49                | 12.12.1955            |            |
|                                                                    |                                                | Unit-III        | 84*            | 5.49                | 26.06.1956            |            |
|                                                                    |                                                | Unit-IV         | 23             | 7.42                | 15.01.1959            |            |
|                                                                    |                                                | Unit-V          | 23             | 7.42                | 07.08.1959            |            |
|                                                                    |                                                | Unit-VI         | 23             | 7.42                | 08.08.1959            |            |
| 2                                                                  | Tunga Bhadra                                   | Unit-I          | 9              | 3.32                | 26.01.1957            |            |
|                                                                    |                                                | Unit-II         | 28.8*          | 9                   | 3.32                  | 23.05.1957 |
|                                                                    |                                                | Unit-III        | 9              | 3.32                | 19.02.1964            |            |
|                                                                    |                                                | Unit-VI         | 9              | 3.32                | 19.06.1964            |            |
| 3                                                                  | Hampi                                          | Unit-I          | 9              | 3.32                | 10.02.1958            |            |
|                                                                    |                                                | Unit-II         | 28.8*          | 9                   | 3.32                  | 26.03.1958 |
|                                                                    |                                                | Unit-III        | 9              | 3.32                | 14.04.1964            |            |
|                                                                    |                                                | Unit-IV         | 9              | 3.32                | 09.06.1964            |            |
| 4                                                                  | Upper Sileru                                   | Unit-I          | 60             | 60                  | 14.10.1967            |            |
|                                                                    |                                                | Unit-II         | 60             | 60                  | 31.03.1968            |            |
|                                                                    |                                                | Unit-III        | 60             | 60                  | 31.03.1994            |            |
|                                                                    |                                                | Unit-IV         | 60             | 60                  | 21.03.1995            |            |
| 5                                                                  | Donkarayi                                      |                 | 25             | 25                  | 04.10.1983            |            |
| 6                                                                  | Lower Sileru                                   | Unit-I          | 115            | 115                 | 28.03.1976            |            |
|                                                                    |                                                | Unit-II         | 115            | 115                 | 06.10.1976            |            |
|                                                                    |                                                | Unit-III        | 115            | 115                 | 08.11.1977            |            |
|                                                                    |                                                | Unit-IV         | 115            | 115                 | 13.06.1978            |            |
| 7                                                                  | Srisailem RBHS                                 | Unit-I          | 110            | 110                 | 30.08.1982            |            |
|                                                                    |                                                | Unit-II         | 110            | 110                 | 14.12.1982            |            |
|                                                                    |                                                | Unit-III        | 110            | 110                 | 19.11.1983            |            |
|                                                                    |                                                | Unit-IV         | 110            | 110                 | 27.08.1984            |            |
|                                                                    |                                                | Unit-V          | 110            | 110                 | 31.03.1986            |            |
|                                                                    |                                                | Unit-VI         | 110            | 110                 | 30.10.1986            |            |
|                                                                    |                                                | Unit-VII        | 110            | 110                 | 19.03.1987            |            |
| 8                                                                  | Nagarjunasagar Right Canal                     | Unit-I          | 30             | 30                  | 24.02.1983            |            |
|                                                                    |                                                | Unit-II         | 30             | 30                  | 14.09.1983            |            |
|                                                                    |                                                | Unit-III        | 30             | 30                  | 10.09.1990            |            |
| 9                                                                  | Penna Ahibilam                                 | Unit-I          | 10             | 10                  | 10.01.1994            |            |
|                                                                    |                                                | Unit-II         | 10             | 10                  | 23.01.1994            |            |
| III.                                                               | MINI HYDEL                                     |                 |                |                     |                       |            |
| 1                                                                  | Chettipeta (Godavari Canal) East Godavari Dist | Unit-I          | 0.50           | 0.50                | 03.08.1991            |            |
|                                                                    |                                                | Unit-II         | 0.50           | 0.50                | 09.08.1991            |            |
|                                                                    |                                                |                 | 1747.60        | 1671.29             |                       |            |
| IV.                                                                | WIND FARMS                                     |                 |                |                     |                       |            |
| 1.                                                                 | Ramagiri (ATP) Units each 200 kW(APGENCO)      | 10 Units        | 2.00           | 2.00                | Dec,1994              |            |
|                                                                    | *AP share                                      |                 |                |                     |                       |            |
| Total APGENCO                                                      |                                                |                 |                | 5621.45             |                       |            |

| 6.4 (B) COMMISSIONING DATES OF GENERATING UNITS<br>IN JOINT AND CENTRAL SECTOR |                                                             |                 |                           |                              |
|--------------------------------------------------------------------------------|-------------------------------------------------------------|-----------------|---------------------------|------------------------------|
| Sl.No.                                                                         | Station                                                     | Details of Unit | Capacity in MW            | Date of Commissioning        |
| <b>6.4(B) -1 COMMISSIONING DATES OF GENERATING UNITS IN JOINT SECTOR</b>       |                                                             |                 |                           |                              |
| <b>II.</b>                                                                     | <b>GAS - Joint Sector</b>                                   |                 |                           |                              |
| 1                                                                              | Vijjeswaram- Stage-I(West Godavari)                         | Unit-I          | 9.33                      | 02.12.1990                   |
|                                                                                |                                                             | Unit-II         |                           | 12.03.1991                   |
|                                                                                |                                                             | Unit-III        |                           | 17.03.1992                   |
| 2.                                                                             | Vijjeswaram- Stage-II(West Godavari)                        | Unit-I          | 24.96                     | 31.03.1997                   |
|                                                                                |                                                             | Unit-II         |                           | 23.12.1997                   |
| <b>Total Gas</b>                                                               |                                                             |                 | <b>34.29</b>              |                              |
| <b>6.4(B) -2 SHARE FROM GENERATING UNITS IN CENTRAL SECTOR</b>                 |                                                             |                 |                           |                              |
| <b>I</b>                                                                       | <b>Thermal(Central Units with Capacity (MW))</b>            |                 | share as on<br>31/03/2015 | <b>Date of Commissioning</b> |
| 1                                                                              | RSTPS - Unit I - 200 MW                                     |                 | 381.25                    | Oct, 1983                    |
|                                                                                | Unit II - 200 MW                                            |                 |                           | May, 1984                    |
|                                                                                | Unit III - 200 MW                                           |                 |                           | Dec, 1984                    |
|                                                                                | Unit IV - 500 MW                                            |                 |                           | Jun, 1988                    |
|                                                                                | Unit V - 500 MW                                             |                 |                           | Mar, 1989                    |
|                                                                                | Unit VI - 500 MW                                            |                 |                           | Oct, 1989                    |
|                                                                                | RSTPS STAGE -III Unit VI I- 500 MW                          |                 |                           | April'2005                   |
| 2                                                                              | MAPP Unit I - 220 MW                                        |                 | 19.02                     |                              |
|                                                                                | Unit II - 220 MW                                            |                 |                           |                              |
| 3                                                                              | NLC Unit I - 210 MW                                         |                 | 139.29                    | 17.01.1988                   |
|                                                                                | Unit II - 210 MW                                            |                 |                           | 06.02.1987                   |
|                                                                                | Unit III - 210 MW                                           |                 |                           | 29.03.1986                   |
|                                                                                | Unit IV - 210 MW                                            |                 |                           | 30.03.1991                   |
|                                                                                | Unit V - 210 MW                                             |                 |                           | 30.12.1991                   |
|                                                                                | Unit VI - 210 MW                                            |                 |                           | 30.10.1992                   |
|                                                                                | Unit VII - 210 MW                                           |                 |                           | 19.06.1993                   |
| 4                                                                              | KAIGA Unit I - 220 MW                                       |                 | 120.87                    | 1999-2001                    |
|                                                                                | Unit II - 220 MW                                            |                 |                           | 1999-2001                    |
|                                                                                | Unit III - 220 MW                                           |                 |                           | 19.05.2007                   |
|                                                                                | Unit-IV-220 MW                                              |                 |                           | 20-01-2011                   |
| 5                                                                              | Simhadri Stage I- Unit I - 500 MW                           |                 | 461.1                     | 24.08.2002                   |
|                                                                                | Unit II - 500 MW                                            |                 |                           |                              |
| 6                                                                              | Simhadri Stage II Unit I - 500 MW                           |                 | 211.9                     |                              |
| 7                                                                              | Talcher Stage II Unit 3- 500 MW                             |                 | 193.2                     | 2002-03                      |
|                                                                                | Talcher Stage II Unit 4 - 500 MW                            |                 |                           | 25.10.2003                   |
|                                                                                | Talcher Stage II Unit 5 - 500 MW                            |                 |                           | 13.05.2004                   |
|                                                                                | Talcher Stage II Unit 6 - 500 MW                            |                 |                           | 05.02.2005                   |
| 8                                                                              | Vallur Stage-I,II, III (1500MW)                             |                 | 91.95                     |                              |
| 9                                                                              | Tuticorin,Tamilnadu 1x500 MW                                |                 | 127.37                    |                              |
| 10                                                                             | Kudankulam UnitI 1x1000                                     |                 | 50                        |                              |
| <b>Total Share from Central Sector</b>                                         |                                                             |                 | <b>1795.95</b>            |                              |
|                                                                                |                                                             |                 |                           |                              |
| <b>6.4 (C) COMMISSIONING DATES OF GENERATING UNITS IN PRIVATE SECTOR</b>       |                                                             |                 |                           |                              |
| S.No.                                                                          | Station                                                     | Details of Unit | share as on<br>31/03/2015 | Date of Commissioning        |
| <b>I.</b>                                                                      | <b>GAS</b>                                                  |                 |                           |                              |
| 1.                                                                             | Jegurupadu GVK CCGBTPS (East Godavari Dist.)                | Unit-I          | 216.82                    | 04.07.1996                   |
|                                                                                |                                                             | Unit-II         |                           | 26.10.1996                   |
|                                                                                |                                                             | Unit-III        |                           | 11.12.1996                   |
|                                                                                |                                                             | Unit-IV         |                           | 20.06.1997                   |
| 2                                                                              | Jegurupadu GVK -Extn                                        |                 | 101.44                    | 14.04.2009                   |
| 3                                                                              | Godavari CCGBTPS (Spectrum-Kakinada - East Godavari Dist.)  | Unit-I          | 208.00                    | 09.01.1997                   |
|                                                                                |                                                             | Unit-II         |                           | 17.02.1997                   |
|                                                                                |                                                             | Unit-III        |                           | 21.06.1997                   |
|                                                                                |                                                             | Unit-IV         |                           | 31.03.1998                   |
| 4                                                                              | Lanco (Kondapally) (Krishna Dist.)                          | Unit-I          | 361.92                    | 22.06.2000                   |
|                                                                                |                                                             | Unit-II         |                           | 19.09.2000                   |
|                                                                                |                                                             | Unit-III        |                           | 18.10.2000                   |
| 5                                                                              | Reliance Energy pvt ltd (BSES-Samalkota) East Godavari Dist | Unit-I          | 64.55                     | 26.01.2002                   |
|                                                                                |                                                             | Unit-II         | 36.89                     | 12.09.2002                   |
| 6                                                                              | Vemagiri (East Godavari Dist)                               |                 | 170.61                    | 16.09.2006                   |
| 7                                                                              | Konaseema Gas Power Ltd(East Godvari Dist)                  |                 | 204.77                    | 17-06-2009                   |
| 8                                                                              | Gautami (East Godavari Dist)                                |                 | 213.95                    | 05-06-2009                   |
| 9                                                                              | M/s Hinduja                                                 |                 | 520.00                    |                              |
| 10                                                                             | M/s Thermal Power tech                                      |                 | 230.55                    |                              |
| <b>TOTAL MW</b>                                                                |                                                             |                 | <b>2329.50</b>            |                              |

| 6.4 (c) Commissioning Dates of Generating Units in Private Sector |                                            |                                        |               |                            |                   |                                  |
|-------------------------------------------------------------------|--------------------------------------------|----------------------------------------|---------------|----------------------------|-------------------|----------------------------------|
| Sl. No.                                                           | Name of the Company                        | Location                               | District      | Capacity Connected to Grid | No. x Capacity KW | Date of Commissioning            |
| <b>Mini Hydel (Capacity Under Power Purchase Agreement)</b>       |                                            |                                        |               |                            |                   |                                  |
| 1                                                                 | Active Power Corporation (P) Ltd.          | Budameru Diversion Canal, Vijayawada   | Krishna       | 1440                       | 1440              | 28.04.2000                       |
| 2                                                                 | M/s Bhavani Hydro Power Projects Pvt. Ltd. | Guntur Branch Canal                    | Guntur        | 550                        | 550               | 17-11-2004                       |
| 3                                                                 | Manihamsa Power Projects Ltd.              | Yeleswaram Reservoir                   | East Godawari | 1500                       | 1500              | 17.01.2001                       |
| 4                                                                 | Manihamsa Power Projects Ltd.              | Yeleswaram Reservoir                   | East Godawari | 1500                       | 1500              | 06.02.2001                       |
| 5                                                                 | M/s. PMC Power Pvt. Ltd.                   | Pedanandipadu Branch Canal, G.Muppala  | Guntur        | 650                        | 650               | 17.05.2001                       |
| 6                                                                 | NCL Energy Ltd., Unit - I                  | On Pothireddy Padu Head regulator      | Kurnool       | 2500                       | 2500              | 28.09.2000                       |
| 7                                                                 | NCL Energy Ltd., Unit - II                 | On Pothireddy Padu Head regulator      | Kurnool       | 2500                       | 2500              | 17.11.2000                       |
| 8                                                                 | NCL Energy Ltd., Unit - III                | On Pothireddy Padu Head regulator      | Kurnool       | 2500                       | 2500              | 09.02.2001                       |
| 9                                                                 | M/s.KM Power -I                            | Nippulavagu Canal, Guntakandala        | Kurnool       | 4000                       | 4000              | 06.02.2002                       |
| 10                                                                | M/s.KM Power -II                           | Nippulavagu Canal, Velapanoor          | Kurnool       | 3300                       | 3300              | 07-11-2002                       |
| 11                                                                | M/s. KM Power -III (2MW each )             | Nippulavagu Canal, Madhavaram          | Kurnool       | 4000                       | 4000              | 2MW 21.11.2003<br>2MW 21.12.2003 |
| 12                                                                | M/s Balaji Energy Ltd.                     | Somasila Reservoir                     | Kurnool       | 10000                      | 10000             | 31-12-2005                       |
| 13                                                                | M/s.Sardar Power Ltd                       | Nagavali river at Nagur, Gurugubilli   | Vizianagaram  | 2000                       | 2000              | 17-7-2008                        |
| <b>Mini Hydel (Capacity Under Wheeling Agreement)</b>             |                                            |                                        |               |                            |                   |                                  |
| 14                                                                | Akshay Profiles (P) Ltd., Scheme-I         | M 0-4-312 on GBC, Chilakaluripet Major | Guntur        | 500                        | 1x500             | 13.07.2000                       |
| 15                                                                | Akshay Profiles (P) Ltd., Scheme-II        | M 0-4-312 on GBC, Chilakaluripet Major | Guntur        | 500                        | 1x500             | 11.09.2000                       |
| 16                                                                | Deccan Cements                             | Guntur Branch Canal                    | Guntur        | 3750                       | 3x1250            | 28.02.1996                       |
| 17                                                                | Espar Pak Ltd., Scheme-I                   | Ballam Konda Branch Canal              | Krishna       | 550                        | 1x550             | 28.08.1999                       |
| 18                                                                | Espar Pak Ltd., Scheme-II                  | Bellamkonda Branch Canal               | Krishna       | 1300                       | 1x1300            | 08.04.2000                       |
| 19                                                                | KCP Ltd., Scheme-I                         | Guntur Branch Canal                    | Guntur        | 1500                       | 2x750             | 06.09.1999                       |
| 20                                                                | KCP Ltd., Scheme-II                        | Guntur Branch Canal                    | Guntur        | 1500                       | 2x750             | 20.11.1998                       |
| 21                                                                | KCP Ltd., Scheme-III                       | Guntur Branch Canal                    | Guntur        | 1500                       | 2x750             | 18.09.1998                       |

| <b>6.4 (c) Commissioning Dates of Generating Units in Private Sector</b> |                                                                                    |                                                                      |                 |                                   |                          |                              |
|--------------------------------------------------------------------------|------------------------------------------------------------------------------------|----------------------------------------------------------------------|-----------------|-----------------------------------|--------------------------|------------------------------|
| <b>Sl. No.</b>                                                           | <b>Name of the Company</b>                                                         | <b>Location</b>                                                      | <b>District</b> | <b>Capacity Connected to Grid</b> | <b>No. x Capacity KW</b> | <b>Date of Commissioning</b> |
| 22                                                                       | KCP Ltd., Scheme-IV                                                                | Guntur Branch Canal                                                  | Guntur          | 2250                              | 3x750                    | 02.04.1999                   |
| 23                                                                       | KCP Limited Scheme-V                                                               | Guntur Branch Canal                                                  | Guntur          | 1500                              | 2x750                    | 14.03.1998                   |
| 24                                                                       | RPP Ltd., (2x1400)                                                                 | Guntur Branch Canal                                                  | Guntur          | 2800                              | 2x1400                   | 21.11.1998                   |
| 25                                                                       | Dhanalakshmi Cotton & Rice Mills Ltd., Scheme - I                                  | Addanki Branch Canal                                                 | Guntur          | 2000                              | 2x1000                   | 24.11.1997                   |
| 26                                                                       | Dhanalakshmi Cotton & Rice Mills, Scheme - II                                      | Addanki Branch Canal                                                 | Guntur          | 1588                              | 2x794                    | 23.12.1997                   |
| 27                                                                       | Dhanalakshmi Cotton & Rice Mills Ltd., Scheme - III                                | Addanki Branch Canal                                                 | Guntur          | 2610                              |                          | 23.07.1997                   |
| 28                                                                       | Sagar Power Ltd,Scheme I                                                           | Guntur Branch Canal                                                  | Guntur          | 4300                              | 4300                     | 27.11.1997                   |
| 29                                                                       | Sagar Power Ltd,Scheme II                                                          | at Lock-in-sula on KC Canal                                          | Kurnool         | 4000                              | 4000                     | 07.09.1998                   |
| 30                                                                       | Sri Jayalaxmi Power Corp., Scheme-I                                                | Addanki Branch Canal                                                 | Guntur          | 2000                              | 2x1000                   | 27.02.2000                   |
| 31                                                                       | Sri Jayalaxmi Power Corp. Scheme-II                                                | Addanki Branch Canal                                                 | Guntur          | 2000                              | 2x1000                   | 19.01.2000                   |
| 32                                                                       | SKJ Power Projects Ltd.,                                                           | Ongole Branch Canal                                                  | Prakasam        | 1500                              | 2x750                    | 27.01.1999                   |
| 33                                                                       | Shivani Power Spinners Ltd                                                         | Zulakallu Branch Canal                                               | Krishna         | 750                               | 1x750                    | 11.03.2000                   |
| 34                                                                       | Trident Power Systems, Scheme-I                                                    | Addanki Branch Canal                                                 | Guntur          | 2000                              | 2x1000                   | 13.10.1999                   |
| 35                                                                       | Trident Power Systems, Scheme-II                                                   | Addanki Branch Canal                                                 | Guntur          | 2000                              | 2x1000                   | 26.08.1999                   |
| 36                                                                       | Trident Power Systems, Scheme-III                                                  | Addanki Branch Canal                                                 | Prakasam        | 3000                              | 2x1500                   | 28.02.2001                   |
| 37                                                                       | Tirumala Hydel Power Projects Ltd., Unit - I                                       | Guntur Branch Canal                                                  | Guntur          | 800                               | 2x400                    | 02.02.2000                   |
| 38                                                                       | Tirumala Hydel Power Projects Ltd., Unit - II                                      | Guntur Branch Canal                                                  | Guntur          | 800                               | 1x800                    | 01.07.2000                   |
| 39                                                                       | Tirumala Hydel Power Projects Ltd., Unit - III                                     | Guntur Branch Canal                                                  | Guntur          | 800                               | 1x800                    | 06.11.2000                   |
| 40                                                                       | M/s NCL Energy Ltd T.B.Dam Right Bank High Level Canal,Ballery dt, Karnataka State | Inter State Mini Hydel UNIT -I, II, III                              | Karnataka State | 3804.1                            | 8250                     | 9/27/2004                    |
| 41                                                                       | M/s Bhavani Hydro Power Projects Pvt. Ltd.                                         | Bellamkonda Branch canal. Scheme II                                  | Guntur          | 550.0                             |                          | 8/28/1999                    |
| 42                                                                       | Manihamsa Power Projects Ltd.                                                      | Yeleswaram , Reservoir Project, East Godawari                        | East Godawari   | 1500                              | 1500                     | 17.01.2001                   |
| 43                                                                       | M/s A.P.Tribal Power Com Ltd.                                                      | MHS on Yeleru River (Pedda Vagu) near Vetamamidi (V) Addathigala (M) | East Godavari   | 1200                              | 1200                     | 15.4.2011                    |
|                                                                          |                                                                                    | <b>Total Mini Hydel in MW</b>                                        |                 | <b>89.10</b>                      |                          |                              |

**6.4 (c) Commissioning Dates of Generating Units in Private Sector(WIND POWER)**

| Sl.No. | Name of the Company                                      | Location                    | District     | Connected Capacity (in MW) | Date of Commissioning |
|--------|----------------------------------------------------------|-----------------------------|--------------|----------------------------|-----------------------|
| 1      | A.P. GENCO Wind Farm                                     | Ramagiri                    | Anathapuramu | 2.00                       | Nov-94                |
| 2      | NEDCAP WIND FARM                                         | Kondamedapally              | Anathapuramu | 2.75                       | 31.03.2001            |
| 3      | NEDCAP Wind FARM                                         | Narasimahakonda             | Nellore      | 2.50                       | 07.05.2004            |
| 4      | The Andhra Sugars Limited,                               | Ramagiri,                   | Anathapuramu | 2.025                      | 30.9.94               |
| 5      | Deccan Cements Ltd,                                      | Ramagiri                    | Anathapuramu | 0.90                       | 26.02.95              |
| 6      | Deccan Cements Ltd,                                      | Ramagiri                    | Anathapuramu | 0.675                      | 30.09.95              |
| 7      | Deccan Cements Ltd,                                      | Ramagiri                    | Anathapuramu | 0.45                       | 23.03.96              |
| 8      | ITW Signode Limited,                                     | Ramagiri                    | Anathapuramu | 1.00                       | 25.05.95              |
| 9      | Navabharat Industrial Linings & Equipment Limited (NILE) | Ramagiri                    | Anathapuramu | 2.00                       | 30.08.95              |
| 10     | Renewable Energy Systems Ltd,                            | Ramagiri,                   | Anathapuramu | 3.00                       | 26.09.95              |
| 11     | Renewable Energy Systems Ltd,                            | Ramagiri                    | Anathapuramu | 1.50                       | 22.03.96              |
| 12     | Renewable Energy Systems Ltd,                            | Ramagiri                    | Anathapuramu | 2.00                       | 26.07.96              |
| 13     | Bharat Heavy Electricals Ltd                             | Ramagiri                    | Anathapuramu | 3.00                       | 13.09.95              |
| 14     | Nagarjuna Construction Co.Ltd,                           | Ramagiri                    | Anathapuramu | 3.00                       | 30.09.95              |
| 15     | A.P.S.Road Transport Corpn. Ltd,                         | Ramagiri                    | Anathapuramu | 5.00                       | 30.09.95              |
| 16     | A.P.S.Road Transport Corpn. Ltd,                         | Ramagiri                    | Anathapuramu | 5.00                       | 09.01.96              |
| 17     | Weizmann Ltd,                                            | Ramagiri                    | Anathapuramu | 3.00                       | 30-09-96              |
| 18     | Infrastructure Leasing & Financial                       | Ramagiri                    | Anathapuramu | 6.50                       | 28.12.95              |
| 19     | Veeramani Biscuit Industries Ltd,                        | Ramagiri                    | Anathapuramu | 1.00                       | 10.01.96              |
| 20     | PSM Spinning Mills Ltd,                                  | Ramagiri                    | Anathapuramu | 1.80                       | 08.03.96              |
| 21     | Sree Rayalaseema Alkalies and Allied Chemicals Ltd       | Ramagiri                    | Anathapuramu | 2.00                       | 31.03.96              |
| 22     | Sree Rayalaseema Alkalies and Allied Chemicals Ltd       | Ramagiri                    | Anathapuramu | 1.00                       | 27.05.96              |
| 23     | RES Photovoltaics Ltd,                                   | Ramagiri                    | Anathapuramu | 1.50                       | 30.09.96              |
| 24     | RES Photovoltaics Ltd,                                   | Ramagiri                    | Anathapuramu | 0.50                       | 03.09.97              |
| 25     | Sree Rayalaseema Power Corpn. Ltd,                       | Ramagiri                    | Anathapuramu | 1.89                       | 31.03.97              |
| 26     | IDL Industries Limited,                                  | Ramagiri                    | Anathapuramu | 1.00                       | 30.09.97              |
| 27     | Weizmann Ltd,                                            | Tallimadugula               | Anathapuramu | 3.00                       | Augt'98               |
| 28     | Weizmann Ltd,                                            | Tallimadugula               | Anathapuramu | 2.00                       | 06.08.98              |
| 29     | R C I Power Pvt. Ltd,                                    | Kadavakallu                 | Anathapuramu | 3.00                       | Mar' 99               |
| 30     | R C I Power Pvt. Ltd,                                    | Kadavakallu                 | Anathapuramu | 1.00                       | 16.07.99              |
| 31     | R C I Power Pvt. Ltd,                                    | Kadavakallu                 | Anathapuramu | 3.00                       | 18.03.2000            |
| 32     | R C I Power Pvt. Ltd,                                    | Kadavakallu                 | Anathapuramu | 13.00                      | 31.03.2000            |
| 33     | Hyderabad Chemical Supplies Ltd,                         | Kadavakallu                 | Anathapuramu | 0.75                       | Mar' 99               |
| 34     | Hyderabad Chemical Supplies Ltd,                         | Kadavakallu                 | Anathapuramu | 0.50                       | 30.09.2000            |
| 35     | Hyderabad Chemical Supplies Ltd,                         | Kadavakallu                 | Anathapuramu | 0.75                       | 30.03.2002            |
| 36     | Hyderabad Chemical Supplies Ltd,                         | Kadavakallu                 | Anathapuramu | 3.75                       | 30.03.2005            |
| 37     | Hyderabad Chemical Supplies Ltd,                         | Kadavakallu                 | Anathapuramu | 0.75                       | 30.03.2005            |
| 38     | Hyderabad Chemical Supplies Ltd,                         | Kadavakallu                 | Anathapuramu | 5.10                       | 30.6.2011             |
| 39     | Hyderabad Chemical Products Ltd,                         | Kadavakallu                 | Anathapuramu | 0.25                       | Mar' 99               |
| 40     | Vasavi Industries (p) Ltd                                | Kadavakallu                 | Anathapuramu | 1.00                       | Augt' 99              |
| 41     | Bharat Heavy Electricals Ltd                             | Kadavakallu                 | Anathapuramu | 4.00                       | 23.09.99              |
| 42     | WESCARE (India) Ltd,                                     | Kadavakallu                 | Anathapuramu | 4.25                       | 31.03.2000            |
| 43     | Sri Sarita Software & Industries Ltd,                    | Kadavakallu                 | Anathapuramu | 1.00                       | 30.08.2000            |
| 44     | Tirumala Tirupati Devasthanam,Tirumala                   | Kakulakonda, Tirumala Hills | Chittoor     | 6.00                       | 19.02.2004            |
| 45     | Tirumala Tirupati Devasthanam,Tirumala                   | Kakulakonda, Tirumala Hills | Chittoor     | 0.23                       | 27.09.2003            |
| 46     | Tirumala Tirupati Devasthanam,Tirumala                   | Kakulakonda, Tirumala Hills | Chittoor     | 0.80                       | 19.02.2004            |
| 47     | Dr. Kasu Prasad Reddy,                                   | Kadavakallu                 | Anathapuramu | 0.45                       | 31.03.2005            |
| 48     | Maxivision Laser Centre Pvt.Ltd                          | Kadavakallu                 | Anathapuramu | 0.45                       | 31.03.2005            |
| 49     | V.V.Agro Foods,                                          | Kadavakallu                 | Anathapuramu | 0.225                      | 29.09.2005            |
| 50     | Vimal Roller Flour Mills,                                | Kadavakallu                 | Anathapuramu | 0.225                      | 29.09.2005            |
| 51     | Enercon( India) Limited,                                 | Kondamedapally              | Kurnool      | 12.80                      | 31.3.2010             |
| 52     | Enercon( India) Limited,                                 | Kondamedapally              | Kurnool      | 2.40                       | 30.6.2010             |
| 53     | Enercon( India) Limited,                                 | Kondamedapally              | Kurnool      | 0.80                       | 31.3.2010             |
| 54     | Enercon( India) Limited,                                 | Kondamedapally              | Kurnool      | 1.60                       | 3.08.2010             |
| 55     | Enercon( India) Limited,                                 | Kondamedapally              | Kurnool      | 4.80                       | 2.08.2010             |
| 56     | Enercon( India) Limited,                                 | Kondamedapally              | Kurnool      | 13.60                      | Sept,2010             |
| 57     | Enercon( India) Limited,                                 | Kondamedapally              | Kurnool      | 18.40                      | Dec,2010              |
| 58     | Enercon( India) Limited,                                 | Kondamedapally              | Kurnool      | 4.00                       | 22.01.2011            |
| 59     | Enercon( India) Limited,                                 | Kondamedapally              | Kurnool      | 0.80                       | 28.02.2011            |
| 60     | Enercon( India) Limited,                                 | Kondamedapally              | Kurnool      | 8.80                       | 31.3.2011             |
| 61     | Enercon( India) Limited,                                 | Kondamedapally              | Kurnool      | 1.60                       | 31.05.2011            |
| 62     | Enercon( India) Limited,                                 | Kondamedapally              | Kurnool      | 12.80                      | 30.09.2011            |
| 63     | Sai Silk Kalamandir, Hyderabad                           | Kondamedapally              | Kurnool      | 1.00                       | 31.3.2011             |
| 64     | Sai Silk Kalamandir, Hyderabad                           | Kondamedapally              | Kurnool      | 1.00                       | 16.7.2011             |
| 65     | Indian Oil Corporation Ltd                               | Vajrakarur                  | Anathapuramu | 16.80                      | 31.3.2012             |

| <b>6.4 (c) Commissioning Dates of Generating Units in Private Sector(WIND POWER)</b> |                                                   |                            |                 |                                   |                              |
|--------------------------------------------------------------------------------------|---------------------------------------------------|----------------------------|-----------------|-----------------------------------|------------------------------|
| <b>Sl.No.</b>                                                                        | <b>Name of the Company</b>                        | <b>Location</b>            | <b>District</b> | <b>Connected Capacity (in MW)</b> | <b>Date of Commissioning</b> |
| 66                                                                                   | Indian Oil Corporation Ltd                        | Vajrarakur                 | Anathapuramu    | 10.50                             | 31.5.2012                    |
| 67                                                                                   | Indian Oil Corporation Ltd                        | Gandikota                  | Kadapa          | 14.70                             | 03.04.2013                   |
| 68                                                                                   | Indian Oil Corporation Ltd                        | Gandikota                  | Kadapa          | 6.30                              | 31.03.2014                   |
| 69                                                                                   | National Aluminum Company Ltd (NALCO)             | Gandikota                  | Kadapa          | 50.40                             | 30.12.2012                   |
| 70                                                                                   | Tirumala Cotton & Agro Products Ltd               | Gandikota                  | Kadapa          | 2.10                              | 17.07.2013                   |
| 71                                                                                   | Sri Venkateswara Pipes Ltd                        | Gandikota                  | Kadapa          | 2.10                              | 17.07.2013                   |
| 72                                                                                   | KPR Infra & Projects Ltd                          | Gandikota                  | Kadapa          | 2.10                              | 17.07.2013                   |
| 73                                                                                   | KRBL Ltd                                          | Gandikota                  | Kadapa          | 2.10                              | 17.07.2013                   |
| 74                                                                                   | Weld Fuse Private Ltd                             | Gandikota                  | Kadapa          | 2.10                              | 17.07.2013                   |
| 75                                                                                   | Mytrah Vayu (Pennar) Pvt. Ltd                     | Vajrarakur                 | Anathapuramu    | 8.40                              | 31.03.2012                   |
| 76                                                                                   | Mytrah Vayu (Pennar) Pvt. Ltd                     | Vajrarakur                 | Anathapuramu    | 6.30                              | 30.04.2012                   |
| 77                                                                                   | Mytrah Vayu (Pennar) Pvt. Ltd                     | Vajrarakur                 | Anathapuramu    | 2.10                              | 31.05.2012                   |
| 78                                                                                   | Mytrah Vayu (Pennar) Pvt. Ltd                     | Vajrarakur                 | Anathapuramu    | 42.0                              | 31.10.2012                   |
| 79                                                                                   | Mytrah Vayu (Pennar) Pvt. Ltd                     | Vajrarakur                 | Anathapuramu    | 4.20                              | 20.12.2012                   |
| 80                                                                                   | NREDCAP                                           | Rekulakunta                | Anathapuramu    | 5.95                              | 29.3.2012                    |
| 81                                                                                   | NREDCAP                                           | Kondamedapalli             | Kurnool         | 1.60                              | 31.3.2012                    |
| 82                                                                                   | Tadas Wind Energy Ltd                             | Nallakonda                 | Anathapuramu    | 18.40                             | 07.07.2012                   |
| 83                                                                                   | Tadas Wind Energy Ltd                             | Nallakonda                 | Anathapuramu    | 3.20                              | 09.07.2012                   |
| 84                                                                                   | Tadas Wind Energy Ltd                             | Nallakonda                 | Anathapuramu    | 9.60                              | 15.07.2012                   |
| 85                                                                                   | Tadas Wind Energy Ltd                             | Nallakonda                 | Anathapuramu    | 19.20                             | 17.07.2012                   |
| 86                                                                                   | Vish Wind Infrastructure LLP                      | Nallakonda                 | Anathapuramu    | 8.00                              | 09.07.2012                   |
| 87                                                                                   | Vish Wind Infrastructure LLP                      | Nallakonda                 | Anathapuramu    | 12.80                             | 15.07.2012                   |
| 88                                                                                   | MGM Springs Private Limited                       | Nallakonda                 | Anathapuramu    | 0.80                              | 09.07.2012                   |
| 89                                                                                   | Protectron Electromech Pvt. Ltd.                  | Nallakonda                 | Anathapuramu    | 0.80                              | 18.07.2012                   |
| 90                                                                                   | Sukaso ceracolors Pvt Ltd                         | Nallakonda                 | Anathapuramu    | 1.60                              | 29.09.2012                   |
| 91                                                                                   | Oil country tubular Ltd                           | Nallakonda                 | Anathapuramu    | 0.80                              | 29.09.2012                   |
| 92                                                                                   | RV Consulting Services Pvt Ltd                    | Nallakonda                 | Anathapuramu    | 0.80                              | 31.03.2013                   |
| 93                                                                                   | Kandke Wind Energy Pvt Ltd. ( Phase – I)          | Nallakonda                 | Anathapuramu    | 2.40                              | 31.03.2013                   |
| 94                                                                                   | Kandke Wind Energy Pvt Ltd(Phase-II)              | Nallakonda                 | Anathapuramu    | 3.20                              | 04.05.2013                   |
| 95                                                                                   | Kandke Wind Energy Pvt Ltd(Phase-II)              | Nallakonda                 | Anathapuramu    | 3.20                              | 08.06.2013                   |
| 96                                                                                   | Kandke Wind Energy Pvt Ltd(Phase-III)             | Nallakonda                 | Anathapuramu    | 4.00                              | 11.07.2013                   |
| 97                                                                                   | Kandke Wind Energy Pvt Ltd(Phase-IV)              | Nallakonda                 | Anathapuramu    | 2.40                              | 25.07.2013                   |
| 98                                                                                   | Saptagir Camphor Limited                          | Nallakonda                 | Anathapuramu    | 0.80                              | 26.07.2013                   |
| 99                                                                                   | Kandke Wind Energy Pvt Ltd(Phase-V)               | Nallakonda                 | Anathapuramu    | 4.00                              | 06.09.2013                   |
| 100                                                                                  | Kandke Wind Energy Pvt Ltd(Phase-V)               | Nallakonda                 | Anathapuramu    | 4.00                              | 25.09.2013                   |
| 101                                                                                  | Kandke Wind Energy Pvt Ltd(Phase-VI)              | Nallakonda                 | Anathapuramu    | 8.00                              | 30.11.2013                   |
| 102                                                                                  | Hetero Wind Power Ltd                             | Tirumalaipalli             | Kadapa          | 9.00                              | 28.02.2013                   |
| 103                                                                                  | Hetero Wind Power Ltd                             | Tirumalaipalli             | Kadapa          | 45.00                             | 16.06.2013                   |
| 104                                                                                  | Beta Wind Farm Pvt Ltd                            | Kadavakallu                | Anathapuramu    | 43.20                             | 27.07.2013                   |
| 105                                                                                  | Beta Wind Farm Pvt Ltd                            | Kadavakallu                | Anathapuramu    | 3.60                              | 26.11.2014                   |
| 106                                                                                  | Beta Wind Farm Pvt Ltd                            | Kadavakallu                | Anathapuramu    | 3.60                              | 21.02.2015                   |
| 107                                                                                  | Ravali Spinners Pvt Ltd                           | Vajrarakur                 | Anathapuramu    | 4.20                              | 15.10.2013                   |
| 108                                                                                  | Tirumala Cotton & Agro Products Ltd               | Vajrarakur                 | Anathapuramu    | 2.10                              | 17.12.2013                   |
| 109                                                                                  | Hi-tech Systems & Services Ltd                    | Vajrarakur                 | Anathapuramu    | 4.20                              | 28.03.2014                   |
| 110                                                                                  | Woodside Fashions Limited                         | Vajrarakur                 | Anathapuramu    | 2.10                              | 28.03.2014                   |
| 111                                                                                  | En En Electrical Engineers Pvt Ltd                | Vajrarakur                 | Anathapuramu    | 2.1                               | 14.11.2014                   |
| 112                                                                                  | Shantiram Wind Power Pvt Ltd                      | Vajrarakur                 | Anathapuramu    | 2.1                               | 06.12.2014                   |
| 113                                                                                  | Tirumala Cotton & Agro Products Pvt Ltd           | Vajrarakur                 | Anathapuramu    | 2.1                               | 31.03.2015                   |
| 114                                                                                  | Rayala wind power company Pvt Ltd                 | Balavenkatapuram           | Anathapuramu    | 25.6                              | 29.11.2013                   |
| 115                                                                                  | Rayala wind power company Pvt Ltd                 | Balavenkatapuram           | Anathapuramu    | 25.6                              | 21.12.2013                   |
| 116                                                                                  | Rayala wind power company Pvt Ltd                 | Balavenkatapuram           | Anathapuramu    | 14                                | 21.02.2014                   |
| 117                                                                                  | Rayala wind power company Pvt Ltd                 | Balavenkatapuram           | Anathapuramu    | 34                                | 15.03.2014                   |
| 118                                                                                  | Rayala wind power company Pvt Ltd                 | Balavenkatapuram           | Anathapuramu    | 2                                 | 26.07.2014                   |
| 119                                                                                  | Rayala wind power company Pvt Ltd                 | Balavenkatapuram           | Anathapuramu    | 30                                | 26.07.2014                   |
| 120                                                                                  | Mytrah Vayu (Krishna) Pvt Ltd                     | Burgula                    | Kurnool         | 22.1                              | 21.02.2014                   |
| 121                                                                                  | Mytrah Vayu (Krishna) Pvt Ltd                     | Burgula                    | Kurnool         | 15.3                              | 15.03.2014                   |
| 122                                                                                  | ITC Ltd (Paper Board & Specialty Papers Division) | Tagguparthi                | Anathapuramu    | 16                                | 25.06.2014                   |
| 123                                                                                  | ITC Ltd (Paper Board & Specialty Papers Division) | Tagguparthi                | Anathapuramu    | 30                                | 26.06.2014                   |
| 124                                                                                  | Energon Power Resources Pvt Ltd                   | Tagguparthi                | Anathapuramu    | 48                                | 07.08.2014                   |
| 125                                                                                  | Energon Power Resources Pvt Ltd                   | Tagguparthi                | Anathapuramu    | 6                                 | 20.08.2014                   |
| 126                                                                                  | Blyth Wind Park Pvt Ltd                           | Kalyandurg                 | Anathapuramu    | 16                                | 01.09.2014                   |
| 127                                                                                  | Blyth Wind Park Pvt Ltd                           | Kalyandurg                 | Anathapuramu    | 8                                 | 07.01.2015                   |
| 130                                                                                  | The KRBL Ltd, Delhi                               | Tallimadugula              | Anathapuramu    | 8.4                               | 21.11.2014                   |
| 131                                                                                  | Rajasthan Gum Pvt Ltd                             | Tallimadugula              | Anathapuramu    | 2.1                               | 31.12.2014                   |
| 132                                                                                  | Sterling Agro Industries                          | Tallimadugula              | Anathapuramu    | 4.2                               | 29.01.2015                   |
| 135                                                                                  | BNR Constructions                                 | Kondamedapalli             | Kurnool         | 1                                 | 19.12.2014                   |
| 136                                                                                  | Energon Power Resources Pvt Ltd                   | Tagguparthi, Beluguppa (M) | Anathapuramu    | 100                               | 11.03.2015                   |
| 137                                                                                  | M/s Blyth Wind Park Private Limited               | Kalyandurg                 | Anathapuramu    | 1.6                               | 09.04.2015                   |
| 138                                                                                  | M/s Rayala wind power company Pvt Ltd             | Balavenkatapuram           | Anathapuramu    | 20                                | 06.05.2015                   |

| <b>6.4 (c) Commissioning Dates of Generating Units in Private Sector(WIND POWER)</b> |                                          |                              |                 |                                   |                              |
|--------------------------------------------------------------------------------------|------------------------------------------|------------------------------|-----------------|-----------------------------------|------------------------------|
| <b>Sl.No.</b>                                                                        | <b>Name of the Company</b>               | <b>Location</b>              | <b>District</b> | <b>Connected Capacity (in MW)</b> | <b>Date of Commissioning</b> |
| 139                                                                                  | M/s Ananthapura Wind Energies Pvt Ltd    | Atmakur                      | Anathapuramu    | 10                                | 19.05.2015                   |
| 140                                                                                  | M/s Rayalaseema wind energies Pvt Ltd    | Cholasamudram                | Anathapuramu    | 10                                | 19.05.2015                   |
| 141                                                                                  | M/s Hitech Systems & Services Ltd        | Tallimadugula                | Anathapuramu    | 2.10                              | 02.06.2015                   |
| 142                                                                                  | M/s Karamchand Thapar (coal Sales) Ltd   | Borampalli,Kalyandurg        | Anathapuramu    | 24.00                             | 10.08.2015                   |
| 143                                                                                  | M/s Vijayeebhava Enterprises Ltd         | Tallimadugula                | Anathapuramu    | 2.10                              | 01.08.2015                   |
| 144                                                                                  | M/s Jindal Aluminium Ltd                 | Vajrarakur                   | Anathapuramu    | 25.20                             | 25.08.2015                   |
| 145                                                                                  | M/s Rayala wind power company Pvt Ltd    | Balavenkatapuram             | Anathapuramu    | 8.00                              | 15.09.2015                   |
| 146                                                                                  | M/s Sun Win Powertech Ltd                | Singanamala                  | Anathapuramu    | 4.00                              | 28.11.2015                   |
| 147                                                                                  | M/s Vibrant Green tech India Pvt Ltd     | Singanamala                  | Anathapuramu    | 0.80                              | 28.11.2015                   |
| 148                                                                                  | M/s Vibrant Green Tech India Pvt Ltd     | Singanamala                  | Anathapuramu    | 8.00                              | 15.12.2015                   |
| 149                                                                                  | M/s Mytrah Vayu (Indravathi) Pvt Ltd     | Pottipadu, Vajrarakur (M)    | Anathapuramu    | 23.10                             | 31.12.2015                   |
| 150                                                                                  | M/s Rambhadra Industries Ltd             | Talaricheruvu,Tadiparthi (M) | Anathapuramu    | 2.00                              | 22.02.2016                   |
| 151                                                                                  | M/s Idupulapadu Cotton Mills Pvt Ltd     | Talaricheruvu,Tadiparthi (M) | Anathapuramu    | 4.00                              | 22.02.2016                   |
| 152                                                                                  | M/s Srinivasa Cotton & Oil Mills Pvt Ltd | Talaricheruvu,Tadiparthi (M) | Anathapuramu    | 2.00                              | 22.02.2016                   |
| 153                                                                                  | M/s Viswateja Spinning Mills Ltd         | Talaricheruvu,Tadiparthi (M) | Anathapuramu    | 2.00                              | 22.02.2016                   |
| 154                                                                                  | M/s Orange Ananthapur Wind Power Pvt Ltd | Honnura - Palturu            | Anathapuramu    | 100.00                            | 28.03.2016                   |
| 155                                                                                  | Sai Pet preforms                         | Beluguppa                    | Anathapuramu    | 2.10                              | March 2016                   |
| 156                                                                                  | Mangalam Fashions Limited                | Beluguppa                    | Anathapuramu    | 2.10                              | March 2016                   |
| 157                                                                                  | Woodside Fashions Limited                | Beluguppa                    | Anathapuramu    | 2.10                              | March 2016                   |
| 158                                                                                  | Hi-Tech Systems & Services Ltd.          | Beluguppa                    | Anathapuramu    | 2.10                              | March 2016                   |
| 159                                                                                  | Levelstate Systems Pvt. Ltd.             | Beluguppa                    | Anathapuramu    | 2.10                              | March 2016                   |
| 160                                                                                  | Rajasthan Gum Private Limited            | Beluguppa                    | Anathapuramu    | 8.40                              | March 2016                   |
| 161                                                                                  | Kaushaliya Devi Dhoot                    | Beluguppa                    | Anathapuramu    | 2.10                              | March 2016                   |
| 162                                                                                  | Dinesh Enterprises                       | Beluguppa                    | Anathapuramu    | 2.10                              | March 2016                   |
| 163                                                                                  | Jai Bharat Gum & Chemicals Ltd.          | Beluguppa                    | Anathapuramu    | 2.10                              | March 2016                   |
| 164                                                                                  | Satya Narayan Dhoot                      | Beluguppa                    | Anathapuramu    | 2.10                              | March 2016                   |
| 165                                                                                  | Prince Art Exporter                      | Beluguppa                    | Anathapuramu    | 4.20                              | March 2016                   |
| 166                                                                                  | Shree Ram Industries                     | Beluguppa                    | Anathapuramu    | 4.20                              | March 2016                   |
| 167                                                                                  | OM Prakash Soni                          | Beluguppa                    | Anathapuramu    | 2.10                              | March 2016                   |
| 168                                                                                  | Imperial Arts                            | Beluguppa                    | Anathapuramu    | 2.10                              | March 2016                   |
| 169                                                                                  | Shri Nath Gum & Chemicals                | Beluguppa                    | Anathapuramu    | 2.10                              | March 2016                   |
| 170                                                                                  | Manoj Agarwalla                          | Beluguppa                    | Anathapuramu    | 2.10                              | March 2016                   |
| 171                                                                                  | Eenadu Television Private Limited        | Beluguppa                    | Anathapuramu    | 2.10                              | March 2016                   |
| 172                                                                                  | Ushodaya Enterprises Pvt. Ltd            | Beluguppa                    | Anathapuramu    | 4.20                              | March 2016                   |
| 173                                                                                  | Heritage Foods Ltd                       | Pottipadu                    | Anathapuramu    | 2.10                              | March 2016                   |
| 174                                                                                  | Chimique (India) Ltd                     | Pottipadu                    | Anathapuramu    | 2.10                              | March 2016                   |
| 175                                                                                  | Kalpataruvu Spinning Mills P Ltd         | Pottipadu                    | Anathapuramu    | 2.10                              | March 2016                   |
| 176                                                                                  | Sri Dhanalaxmi Cotton & Rice Mills P Ltd | Pottipadu                    | Anathapuramu    | 6.30                              | March 2016                   |
| 177                                                                                  | Sandla Wind Projects Pvt Ltd             | Vidapanakallu                | Anathapuramu    | 6.30                              | March 2016                   |
| 178                                                                                  | M/s Mytrah Vayu (Indravathi) Pvt Ltd     | Pottipadu, Vajrarakur (M)    | Anathapuramu    | 81.90                             | March 2016                   |
| <b>TOTAL WIND POWER</b>                                                              |                                          |                              |                 | <b>1416.32</b>                    |                              |

| <b>6.4 (c) Commissioning Dates of Generating Units in Private Sector</b>          |                                                          |                                      |                 |                                   |                                  |
|-----------------------------------------------------------------------------------|----------------------------------------------------------|--------------------------------------|-----------------|-----------------------------------|----------------------------------|
| <b>Sl. No.</b>                                                                    | <b>Name of the Plant</b>                                 | <b>Location</b>                      | <b>District</b> | <b>Connected Capacity (in KW)</b> | <b>Commercial Operation Date</b> |
| <b>Biomass Co-Generation Power Projects (Under PPA)</b>                           |                                                          |                                      |                 |                                   |                                  |
| 1                                                                                 | M/s Gautami Solvent Oils                                 | Pydiparru, Tanuku                    | WG              | 2750                              | 31.3.1996                        |
| 2                                                                                 | M/s Jocil Ltd.                                           | Dokiparru (V),<br>Medikondur (M)     | Guntur          | 6000                              | 26.3.2001                        |
| 3                                                                                 | M/s Vijaya Agro Products Ltd.,                           | Enikepadu, Vijayawada                | Krishna         | 4000                              | 05.01.2002                       |
| 4                                                                                 | M/s Sri Kalyani Agro Products & Industries Ltd.          | Prathipadu Village,<br>Pentapadu (M) | West Godavari   | 4000                              | 19.12.2002                       |
| 5                                                                                 | M/s Shree Papers Ltd.,<br>Hyderabad.                     | Peddapuram(M)                        | East Godavari   | 4000                              | 10.3.2003                        |
| 6                                                                                 | M/s Balaji Agro Oils Ltd.                                | Davuluru (V), Kankipadu (M)          | Krishna         | 4500                              | 2.06.2003                        |
| <b>Biomass Co-Generation Power Projects (Under Subsisting wheeling Agreement)</b> |                                                          |                                      |                 |                                   |                                  |
| 7                                                                                 | M/s Sudha Agro & Chemical Industries Ltd.                | Samalkot                             | East Godavari   | 4000                              | 27.12.2000                       |
| <b>Biomass Power Projects (Under Power Purchase Agreement)</b>                    |                                                          |                                      |                 |                                   |                                  |
| 8                                                                                 | M/s Vamshi Industries Ltd.                               | Vemulapally                          | East Godavari   | 4000                              | 20.4.2001                        |
| 9                                                                                 | M/s Matrix Power Pvt. Ltd.                               | Karampudi Village & Mandal           | Guntur          | 4500                              | 15.8.2001                        |
| 10                                                                                | M/s SLS Power Pvt. Ltd.                                  | Nellore Village& Mandal              | Nellore         | 6000                              | 23.8.2001                        |
| 11                                                                                | M/s Satyakala Power Projects Pvt. Ltd.,<br>Hyderabad.    | Penamaluru Mandal                    | Krishna         | 4000                              | 9.11.2001                        |
| 12                                                                                | M/s Varam Power Projects (P) Ltd.                        | Etcherla(M)                          | Srikakulam      | 6000                              | 12.12.01                         |
| 13                                                                                | M/s KMS Power Pvt. Ltd.                                  | Sattenapalli (M)                     | Guntur          | 6000                              | 22.7.2002                        |
| 14                                                                                | M/s Rithwik Energy Systems Ltd.                          | Srikalahasti Mandal                  | Chittoor        | 6000                              | 18.9.2002                        |
| 15                                                                                | M/s Suchand Power Generation Pvt. Ltd.,                  | Nandyal( M)                          | Kurnool         | 6000                              | 28.11.2002                       |
| 16                                                                                | M/s Veeraiah Non-Conventional Power Projects Pvt. Ltd.,  | Pamaru Mandal                        | Krishna         | 4000                              | 26.10.2002                       |
| 17                                                                                | M/s Perpetual energy Systems Ltd                         | Appayyapet (V),<br>Seethanagaram(M)  | Vizianagaram    | 6000                              | 23.3.2003                        |
| 18                                                                                | M/s Agri Gold Projects Ltd.                              | Dupadu Village,<br>Tripurantakam (M) | Prakasam        | 6000                              | 7.7.2003                         |
| 19                                                                                | M/s.B.Seenaiah & Co. (Projects) Ltd.                     | Suryapalem (V),<br>Podalakuru (M)    | Nellore         | 6000                              | 22.10.2003                       |
| 20                                                                                | M/s Sathya Maharshi Power Corporation Ltd.,              | Amaravathi                           | Guntur          | 6000                              | 13.7.2004                        |
| 21                                                                                | M/s Jyothi Bio Energy Pvt. Ltd.(2 <sup>nd</sup> Project) | Gundlapalli (V),<br>Maddipadu (M)    | Prakasam        | 6000                              | 25.11.2003                       |
| 22                                                                                | M/s Clarion Power Corpn. Ltd.,                           | Tanguturu (V) & (M)                  | Prakasam        | 12000                             | 21.02.2004                       |
| 23                                                                                | M/S. Om Shakthi Renergies Limited.                       | Pannuru (V), Vijayapuram (M),        | Chittoor        | 6000                              | 24.1.2004                        |
| 24                                                                                | M/s Velagapudi Power Generation Pvt. Ltd.,               | Doppalapudi (V), Ponnur (M)          | Guntur          | 4000                              | 13.12.2006                       |
| 25                                                                                | M/s Singaraya Hills Green Power Ltd                      | Hasnapur(v)<br>Tripurantakam(M)      | Prakasam        | 8000                              | 13.07.2008                       |
| <b>Biomass Power Projects (Under Subsisting wheeling Agreement)</b>               |                                                          |                                      |                 |                                   |                                  |
| 26                                                                                | M/s Jyothi Bio Energy Pvt. Ltd.                          | Gundlapalli(V),<br>Maddipadu(M)      | Prakasam        | 4500                              | 17.11.2000                       |
| 27                                                                                | M/s Sree Rayalaseema Green Energy Pvt. Ltd.              | Pandipadu(V), Kallur(M)              | Kurnool         | 5500                              | 07.02.2001                       |

| <b>Biomass Power Projects (Under Short Term Agreement)</b>      |                                                                                                                               |                                      |               |               |            |
|-----------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|---------------|---------------|------------|
| 28                                                              | M/s Roshini Powertech Pvt Ltd.                                                                                                | Ayyanki (V),<br>Pamarru (M)          | Krishna       | 6000          | 30.08.2001 |
| <b>Biomass Power Projects</b>                                   |                                                                                                                               |                                      |               |               |            |
| 29                                                              | Greenco Energies Pvt Ltd                                                                                                      | Chennur                              | Kadapa        | 6000          | 14.04.2004 |
| 30                                                              | HCL Agro Power Ltd                                                                                                            | Vedadri(V)                           | Krishna       | 6000          | 24.10.2000 |
| 31                                                              | Vishnu Vidyut India Ltd                                                                                                       | Narasingaballi                       | Visakhapatnam | 7500          | 11.01.2003 |
| <b>Total Bio mass Projects</b>                                  |                                                                                                                               |                                      |               | <b>171.25</b> |            |
| <b>Biomass Co Generation Power Projects (Non-Bagasse)</b>       |                                                                                                                               |                                      |               |               |            |
| 32                                                              | Lalitha Enterprises                                                                                                           | East Godavari dist                   | East Godavari | 0.5           | 15.8.2003  |
| 33                                                              | Sri Murali Mohana Para Boiled Rice Mill                                                                                       | East Godavari dist                   | East Godavari | 0.65          | 8/26/2003  |
| 34                                                              | Sri Ramadas Paper Boards (P) Ltd                                                                                              | East Godavari dist                   | East Godavari | 4             | 6/27/2006  |
| 35                                                              | Surya Chandra Paper Mills Ltd                                                                                                 | East Godavari dist                   | East Godavari | 3             | 11/27/2007 |
| 36                                                              | Sri Satyanarayana Raw & Boiled Rice (P) Ltd                                                                                   | West Godavari dist                   | West Godavari | 0.75          | 3/31/2008  |
| 37                                                              | Delta Paper Mills Ltd                                                                                                         | West Godavari dist                   | West Godavari | 9.9           | 12/1/2007  |
| 38                                                              | Sree Godavari Kraft Paper (p) Ltd                                                                                             | West Godavari dist                   | West Godavari | 3             | 11/15/2008 |
| 39                                                              | Sri Gowthami Rice Industries Ltd                                                                                              | East Godavari dist                   | East Godavari | 0.75          | 3/25/2009  |
| 40                                                              | Sirius Overseas Pvt. Ltd                                                                                                      | East Godavari dist                   | East Godavari | 9             | 1/4/2009   |
| 41                                                              | Seven Hills Papers (P) Ltd                                                                                                    | East Godavari dist                   | East Godavari | 1.2           | 2/25/2009  |
| 42                                                              | Sri Lalitha Enterprises Industries Ltd ( Unit II                                                                              | East Godavari dist                   | East Godavari | 4.7           | 2/25/2009  |
| 43                                                              | Pallavi Enterprises, D.No.6-22, Enikepadu, Vijayawada, Rural, Krishna Dist                                                    | Enikepadu, Vijayawada, Rural         | Krishna       | 2.5           | 2/10/2010  |
| 44                                                              | MGR Rice Industries, Polamuru, 533 342, Anaparthi Mandal, East Godavari dist                                                  | Polamuru                             | East Godavari | 0.89          | 7/1/2013   |
| 45                                                              | Adilaxmi Industries, Vetapalem. Rly.Station, East Godavari dist                                                               | Vetapalem                            | East Godavari | 0.41          | 4/1/2014   |
| 46                                                              | Naga Hanuman Solvent Oils Pvt Ltd, D.No. 7B-15 -45, Maruthinagar, Vippuvari Veedhi, Eastern Street, Eluru, West Godavari dist | Gundugolanu                          | West Godavari | 1.2           | 12/1/2013  |
| 47                                                              | Nava Bharat Agro Products Limited, 8-2- 235, Road No.3, Banjara Hills, Hyderabad                                              | Uppalameta                           | West Godavari | 0.95          | 9/12/2014  |
| 48                                                              | M/s Ananda Enterprises (India) Pvt Ltd, 27-8- 21/3, Shivaropet, Bheemavaram, West Godavari dist                               | Kothapusalamarru                     | West Godavari | 2             | 4/1/2014   |
| 49                                                              | M/s Shree Gowthamee Rice Industries (P) Limited, Chelluru, Rayavaram Mandal, East Godavari dist                               | Cehlluru                             | East Godavari | 0.58          | 2/1/2014   |
| 50                                                              | M/s Aroma Biotech Pvt Ltd, St. No. 237/1, Avapadu village, Nallajerla Mandal, West Godavari dist                              | Avapadu                              | West Godavari | 2.2           | 5/12/2012  |
| 51                                                              | M/s. Vijaynagar Bio- Tech Ltd                                                                                                 | Kotha Koperla (V), Pusapatiregu (M)  | Vizianagara m | 1.2           | 2/20/2013  |
| 52                                                              | M/s. Nava Bharat Agro Products Ltd, 8-2-235, Road No.3, Banjara Hills, Hyderabad                                              | Uppalametta (V), Jangareddygudem (M) | West Godavari | 1             | 3/15/2015  |
| <b>Total Biomass Co Generation Power Projects (Non-Bagasse)</b> |                                                                                                                               |                                      |               | <b>50.38</b>  |            |

| <b>6.4 (c) Commissioning Dates of Generating Units in Private Sector</b>  |                                                  |                                    |                 |                                   |                              |
|---------------------------------------------------------------------------|--------------------------------------------------|------------------------------------|-----------------|-----------------------------------|------------------------------|
| <b>Sl. No.</b>                                                            | <b>Name of the Company</b>                       | <b>Location (District)</b>         | <b>District</b> | <b>Connected Capacity (in KW)</b> | <b>Date of Commissioning</b> |
| <b>Bagasse Co-generation (Under Power Purchase Agreement)</b>             |                                                  |                                    |                 |                                   |                              |
| 1                                                                         | M/s Etikoppaka Agl. & Indl. Society Ltd.         | Daralapudi (V), S.Rayavaram (M)    | Visakhapatnam   | 4500                              | 01.03.2001                   |
| 2                                                                         | M/s GMR Technologies & Industries Ltd.           | Sankili (V), R.Amudalavalasa (M)   | Srikakulam      | 16000                             | 15.08.2001                   |
| 3                                                                         | M/s Chodavaram Co-op. Sugars Ltd.                | Govada (V), Chodavaram (M)         | Visakhapatnam   | 14000                             | 06.04.2003                   |
| 4                                                                         | M/s Shreevaani Sugars & Industries Ltd.          | Mudipapanapalli (V), Punganoor (M) | Chittoor        | 9000                              | 08.08.2003                   |
| 5                                                                         | M/s Jeypore Sugar Company Ltd.                   | Chagallu (V & M)                   | West Godavari   | 12000                             | 11.12.2003                   |
| 6                                                                         | M/s KCP Sugar & Industries Ltd.                  | Vuyyur(V&M)                        | Krishna         | 12000                             | 26.12.2005                   |
| 7                                                                         | M/s Navabharat Ferro Alloys Ltd. (Deccan Sugars) | Samarlakota                        | East Godavari   | 9000                              | 2 MW-07-02-99<br>7 MW-23-11- |
| 8                                                                         | M/s KCP Sugar & Industries Ltd.                  | Lakshipuram(V), Challapally (M)    | Krishna         | 5000                              | 17.01.2006                   |
| 9                                                                         | M/s Empee Power Projects Ltd.                    | Nellore                            | Nellore         | 20000                             | 02.12.2009                   |
| <b>Bagasse Co-generation (Under Subsisting Wheeling Agreement)</b>        |                                                  |                                    |                 |                                   |                              |
| 10                                                                        | Andhra Sugars, Venkatarayapuram, Tanuku          | Sugar Unit II, Tadwai              | West Godavari   | 7000                              | 21.01.1999                   |
| 11                                                                        | Sudalagunta Sugars Ltd.                          | Mayuranagar, B.N. Kandriga         | Chittoor        | 8000                              | 09.06.1999                   |
| <b>Bagasse Co-generation (Under Short Term Agreement)</b>                 |                                                  |                                    |                 |                                   |                              |
| 12                                                                        | M/s Sarvarava Sugars Ltd.                        | Chelluru                           | East Godavari   | 19650                             | 25-12-2008                   |
| 13                                                                        | M/s NCS Sugars Ltd.                              | Lachayyapet, Bobbili               | Vizianagaram    | 20000                             | 15-06-2007                   |
| 14                                                                        | M/s Krishnaveni Sugars Ltd.                      | Ramakrishnapuram, Kothakota        | Vizianagaram    | 28000                             | 1/18/2011                    |
| <b>Bagasse Co-generation</b>                                              |                                                  |                                    |                 |                                   |                              |
| 15                                                                        | Saritha sugars Ltd                               | Prabhaagiripatnam, Podalakur(M)    | Nellore         | 6000                              | 4/1/2001                     |
| 16                                                                        | M/s Jeypore Sugar Company Ltd. Unit II           | Pothavaram (v)                     | West Godavari   | 16800                             | 19.10.2003                   |
| <b>Total Bagasee</b>                                                      |                                                  |                                    |                 | <b>206.95</b>                     | <b>MW</b>                    |
| <b>Waste Heat Recovery Co-Generation (Under Power Purchase Agreement)</b> |                                                  |                                    |                 |                                   |                              |
| 1                                                                         | Rain Calcining Ltd. Vizag.                       | Rain Calcining Ltd                 | Visakhapatnam   | 41000                             | 21.05.1998                   |
|                                                                           |                                                  |                                    | <b>Total</b>    | <b>41.00</b>                      |                              |
| <b>Industrial Waste Based</b>                                             |                                                  |                                    |                 |                                   |                              |
| 1                                                                         | M/s Vensa Biotek Ltd.                            | Samalkot                           | East Godavari   | 5000                              | 20.11.2003                   |
| 2                                                                         | M/s Sai Renewable Power Pvt. Ltd.                | Kamavarapukota                     | East Godavari   | 4500                              | 08.04.2004                   |
| 3                                                                         | M/s Foods, Fats & fertilizers Ltd.               | Tadepalligudem                     | West Godavari   | 6000                              | 04.05.2006                   |
| 4                                                                         | M/s Rao's Power Pvt Ltd                          | Dupalapudu(V)                      | East Godavari   | 3660                              | 27.02.2009                   |
| 5                                                                         | M/S Ruchi Soya Industries                        | Peddapuram                         | East Godavari   | 500                               | 30.08.1999                   |
| 6                                                                         | M/S Devi Corn Products                           | Biccavolu                          | East Godavari   | 1500                              | 01.03.2004                   |
| 7                                                                         | M/s Sarvarava Sugars Ltd.                        | Chelluru                           | East Godavari   | 1000                              | 25.06.2006                   |
| 8                                                                         | M/s Jeypore Sugar & Industries Corp Ltd          | Chagallu (V & M)                   | East Godavari   | 1000                              | 27.06.2007                   |
| 9                                                                         | M/s Kcp Sugars Ltd                               | Vuyyur(V&M)                        | Krishna         | 1000                              | 07.02.2006                   |
| 10                                                                        | M/s Tern Distilleries                            | Tallapalem                         | Visakhapatnam   | 750                               | 07.12.2006                   |
| 11                                                                        | M/s Godrej Oil Palm                              | Ch Pothepally                      | East Godavari   | 1600                              | 01.12.2010                   |
| 12                                                                        | M/s Redan Infrastructure Pvt Ltd                 | Kallupalli(V)                      | Chittoor DT     | 7500                              | 4/6/2015                     |
| <b>Industrial Waste Based (Total) in MW</b>                               |                                                  |                                    |                 | <b>34.01</b>                      | <b>MW</b>                    |

| 6.4 (c) Commissioning Dates of Generating Units in Private Sector |                                                                 |                                            |               |                                   |                       |
|-------------------------------------------------------------------|-----------------------------------------------------------------|--------------------------------------------|---------------|-----------------------------------|-----------------------|
| Sl. No.                                                           | Name of the Company                                             | Location (District)                        | District      | Connected Capacity (in KW)        | Date of Commissioning |
|                                                                   | <b>Municipal Waste Based</b>                                    |                                            |               |                                   |                       |
| 1                                                                 | M/s Shriram Energy Systems Ltd.                                 | Vijayawada                                 | Krishna       | 6000                              | 14.12.2003            |
| 2                                                                 | Vijayawada Municipal corporation                                | Vijayawada                                 | Krishna       | 150                               | 11.11.2004            |
|                                                                   |                                                                 | <b>Municipal Waste Total in MW</b>         |               | <b>6.15</b>                       |                       |
|                                                                   | <b>Isolated gas-wells</b>                                       |                                            |               |                                   |                       |
| 1                                                                 | M/s Vennar Ceramics Ltd.                                        | Perikagudem                                | Krishna       | 2700                              | 01.07.1999            |
| 2                                                                 | M/s Sriba Industries Ltd                                        | Krishna Dist                               | Krishna       | 17400                             | 01.06.2001            |
| 3                                                                 | M/s GMK products (P)Ltd                                         | East Godavari Dist                         | East Godavari | 1000                              | 16.07.2001            |
| 4                                                                 | M/s. PSM Spinning Ltd., Ameerpet, Hyderabad                     | Enugupalli                                 | East Godavari | 3000                              | 18.04.2002            |
| 5                                                                 | M/s Venkataraya Power Ltd. (M/s GMK Products), Hyderabad        | Kesavadasupalem                            | East Godavari | 1000                              | 30.09.2003            |
| 6                                                                 | M/s Jayavenkatarama Industries Ltd., Inkollu, Prakasam District | Gopavaram, Near Amalapuram                 | East Godavari | 1940                              | 31.08.2004            |
|                                                                   |                                                                 | <b>Isolated Gas Wells(Total) in MW</b>     |               | <b>27.04</b>                      |                       |
|                                                                   | <b>Solar Based</b>                                              |                                            |               | <b>Connected Capacity (in MW)</b> |                       |
| 1                                                                 | M/s Sri City Power Ltd.                                         | Varadaya Palem                             | Chittoor      | 2                                 | 18.03.2012            |
| 2                                                                 | M/s Sri Power Generation India Pvt Ltd.                         | Kotagallu, Kadiri(M)                       | Ananthapur    | 1                                 | 14.01.2012            |
| 3                                                                 | M/s Sai Sudheer Energy Ltd.                                     | T. Verapuram (V), Rayadurga(M)             | Ananthapur    | 5                                 | 05.01.2012            |
| 4                                                                 | M/s.Welspon Ltd                                                 | Pulivendula (V)                            | Kadapa        | 5                                 | 31.12.2011            |
| 5                                                                 | M/s Amrit Jai Ventures Pvt. Ltd                                 | Kotagullu, Kadiri(M)                       | Ananthapur    | 1                                 | 07.03.2012            |
| 6                                                                 | M/s APIIC Limited.                                              | Industrial Park, Gooty                     | Ananthapur    | 1                                 | 15.03.2012            |
| 7                                                                 | M/s Gajanan Financial Services Pvt. Ltd.                        | Laddagiri (V)                              | Kurnool       | 1                                 | 14.03.2012            |
| 8                                                                 | M/s Kishore Electro Infra Pvt. Ltd.                             | Perecherla (V) Guntur Rural                | Guntur        | 1                                 | 13.03.2012            |
| 9                                                                 | M/s Rithwick Projects Pvt. Ltd,                                 | Kotagullu, Kadiri(M)                       | Ananthapur    | 2                                 | 25-04-2012            |
| 10                                                                | M/s Sai Sudheer Energy Ltd.                                     | Kalyandurg                                 | Ananthapur    | 20                                | 26-4-2013             |
| 11                                                                | M/s Rithwick Projects Pvt. Ltd,                                 | Kotagullu, Kadiri(M)                       | Ananthapur    | 3                                 | 5/7/2013              |
| 12                                                                | M/s MEIL Green Power                                            | Nagalapuram                                | Ananthapur    | 50                                | 04.11.2014            |
| 13                                                                | B.G. Channappa, Class-I, K.P.W.D Contractor                     | Manepalli                                  | Ananthapur    | 4                                 | 22.04.2013            |
| 14                                                                | M/s Value Labs LLP                                              | Maddimaduggu                               | Ananthapur    | 5                                 | 24.04.2013            |
| 15                                                                | M/s Emmvee Energy Pvt. Ltd                                      | Manepalli                                  | Ananthapur    | 10                                | 04.05.2013            |
| 16                                                                | M/s KCP Ltd.                                                    | Muktyala                                   | Krishna       | 1.15                              | 06.06.2016            |
| 17                                                                | Sri city power                                                  | Chervi                                     | chittoor      | 3                                 | 29.10.2013            |
| 18                                                                | M/s Raval spinners                                              | Tanuku                                     | West Godavari | 1                                 | 05.01.2014            |
| 19                                                                | M/s Trimax Sands Pvt. Ltd.                                      | Vatsavalasa                                | Srikakulam    | 1                                 | 26.03.2014            |
| 20                                                                | M/s Solarays Eco energy inc                                     | Beechiganipalli                            | Ananthapur    | 2                                 | 29.04.2014            |
| 21                                                                | Meda Sreedhar                                                   | Beechiganipalli                            | Ananthapur    | 2                                 | 29.04.2014            |
| 22                                                                | M/s Prakasha Motors                                             | Beechiganipalli                            | Ananthapur    | 1                                 | 29.04.2014            |
| 23                                                                | M/s Prakasha Agencies                                           | Beechiganipalli                            | Ananthapur    | 1                                 | 29.04.2014            |
| 24                                                                | M/s Emmvee Energy Pvt. Ltd                                      | Beechiganipalli                            | Ananthapur    | 4                                 | 29.04.2014            |
| 25                                                                | M/s Andhra Sugars                                               | Kovvuru                                    | West Godavari | 2.5                               | 21.06.2014            |
| 26                                                                | M/s Indira Power Pvt Ltd                                        | Karur(V), Tada(M)                          | Nellore       | 0.7                               | 28.06.2014            |
| 27                                                                | M/s Savita Renewable Energy Pvt Ltd                             | Kamepalli                                  | Guntur        | 1                                 | 19.01.2015            |
| 28                                                                | M/s Arkha Solar Power Pvt Ltd                                   | Elakolanu                                  | East Godavari | 1                                 | -01.2015              |
| 29                                                                | M/s Amaravathi Textiles Pvt Ltd                                 | Atmakur                                    | Nellore       | 5                                 | 31.03.2015            |
| 30                                                                | M/s Lakshmi Venkateswara Green Energy Pvt Ltd.                  | Morasapudi, Nuziveedu(M)                   | Krishna       | 1                                 | 30.06.2014            |
| 31                                                                | M/s Abhedya Power Pvt Ltd.                                      | Ubicherla                                  | Ananthapur    | 2                                 | 08.08.2014            |
| 32                                                                | M/s Sri Vijaya Visakha Milk Producers                           | Malicherla (V)                             | Vizianagaram  | 1.65                              | 11/27/2015            |
| 33                                                                | M/s Pragathi Group., Chintalapudi (M)                           | Kanupade (V), urlagudem                    | W.G.Dist.     | 2                                 | 12/31/2015            |
| 34                                                                | Varshini Exim Pvt Ltd, Tirupati                                 | Nagirimdugu, Vayalapudu Mandal             | chittoor      | 2.4                               | 30.04.2015            |
| 35                                                                | Emmvee Energy Pvt Ltd Bangalore                                 | Gowriganiipalli, Lepakshi Mandal           | Ananthapur    | 5.4                               | 17.07.2015            |
| 36                                                                | Vuddanda Solar Projects(P) Ltd                                  | Chintamakulapalli(V), Sodum(M)             | chittoor      | 3                                 | 01.10.2015            |
| 37                                                                | M/s Sai Achyut Energy Pv Ltd                                    | Jagdurthy (V), Dhone(M)                    | Kurnool       | 5                                 | 18.10.2015            |
| 38                                                                | M.s Rajatnatna Energy Holdings Pvt Ltd                          | Maddimaduggu, Nallacheruvu(M), Kadiri Town | Ananthapur    | 5                                 | 22.11.2015            |
| 39                                                                | Amaravathi Textiles Pvt Ltd                                     | Nellorepalem(V), Atmakur(M)                | Nellore       | 5                                 | 28.11.2015            |
| 40                                                                | M/s GRT Jewellers (India) Pvt Ltd                               | Jammalabanda, Ananthpuram                  | Ananthapur    | 6                                 | 05.01.2016            |
| 41                                                                | M/s Bright Solar Energy Pvt Ltd                                 | Jammalabanda, Ananthpuram                  | Ananthapur    | 10                                | 05.01.2016            |
| 42                                                                | M/s Palnadu Solar Power Pvt Ltd                                 | Inimella (V), Ipur(M)                      | Guntur        | 2.75                              | 29.01.2016            |

| 6.4 (c) Commissioning Dates of Generating Units in Private Sector |                                                                 |                                              |               |                            |                       |
|-------------------------------------------------------------------|-----------------------------------------------------------------|----------------------------------------------|---------------|----------------------------|-----------------------|
| Sl. No.                                                           | Name of the Company                                             | Location (District)                          | District      | Connected Capacity (in KW) | Date of Commissioning |
| 43                                                                | M/s Palnadu Solar Power Pvt Ltd                                 | Inimella (V), Ipur(M)                        | Guntur        | 2.25                       | 31.03.2016            |
| 44                                                                | M/s Renew Solar Power Pvt Ltd                                   | Adoni                                        | Kurnool       | 39                         | 04.03.2016            |
| 45                                                                | M/s Renew Solar Power Pvt Ltd                                   | Tarupadu (V&M)                               | Prakasam      | 21                         | 08.03.2016            |
| 46                                                                | M/s Welsun Renewable Energy Pvt Ltd                             | Balapur, Kadapa Dist                         | Kadapa        | 30                         | 20.03.2016            |
| 47                                                                | M/s Ushodaya Enterprises Pvt Ltd                                | Vemulapadu & Titrallapalle(V),Yadiki(M),     | Ananthapur    | 5                          | 23.03.2016            |
| 48                                                                | M/s Azure Power India Pvt Ltd                                   | Vemulapadu & Titrallapalle(V),Yadiki(M),     | Ananthapur    | 50                         | 28.03.2016            |
| 49                                                                | M/s Aarohi Solar (Acme Clean Tech Solutions) Ltd                | Hindupur                                     | Ananthapur    | 50                         | 30.03.2016            |
| 50                                                                | M/s Welsun Renewable Energy Pvt Ltd                             | Banaganapalli                                | Kurnool       | 70                         | 30.03.2016            |
| 51                                                                | M/s EAAMA Estates Pvt Ltd                                       | GR Valasa                                    | Vizianagaram  | 3                          | 30.03.2016            |
| 52                                                                | M/s New Era Enviro Venures (Mehbubnagar) Pvt Ltd                | Bandapalli(V), Ramapuram(M)                  | Kadapa        | 10                         | 30.03.2016            |
| 53                                                                | First Solar Power India Pvt Ltd(Hindupur Solar Park Pvt. Ltd)   | Beechiganipalli and Seagipalle(V), Parigi(M) | Ananthapur    | 40                         | 31.03.2016            |
| 54                                                                | Acme Clean Tech (M/s Dayanidhi Solar Power Pvt Ltd)             | Morasapudi, & Gunjarlapalli (V), Kuppam(M)   | chittoor      | 40                         | 31.03.2016            |
| 55                                                                | Acme Clean Tech (M/s Vishwatma Solar Power Pvt Ltd)             | Kadivella (V), Yemmiganur(M)                 | Kurnool       | 10                         | 31.03.2016            |
| 56                                                                | Acme Clean Tech (M/s Niranjana Solar Power Pvt Ltd)             | PUCHAKAYALA Mada(V), Pathikonda (M)          | Kurnool       | 20                         | 31.03.2016            |
| 57                                                                | M/s New & Renewable Energy Development Corp of AP Ltd (NREDCAP) | Gollavanitippa, Bhimavaram Rural (M)         | West Godavari | 0.39                       | 3/30/2016             |
|                                                                   |                                                                 | Solar (Total) in MW                          |               | 579.19                     |                       |
|                                                                   | Mini Power Plants (Under Power Purchase Agreement)              |                                              |               |                            |                       |
| 1                                                                 | RVK Energy Pvt. Ltd.                                            | Konekepadu.                                  | Krishna       | 23.52                      | 28.01.2000            |
| 2                                                                 | M/s LVS power Ltd                                               | Pendurty, Vishakapatnam                      | Visakhapatnam | 36.8                       | 18.10.2001            |
| 3                                                                 | Sri Vatsa Power Projects Ltd.,                                  | Sivakodu (V), Razol (M)                      | East Godavari | 17.2                       | 01.05.2002            |
| 4                                                                 | M/s RVK Energy Pvt Ltd, Konikapudi (v), Krishna dt (4x1.12      | Konekepadu.                                  | Krishna       | 4.48                       | 20-11-2012            |
|                                                                   |                                                                 | Mini Power Plants (Total) in MW              |               | 82.00                      |                       |
| State Installed Capacity Grand Total in MW                        |                                                                 |                                              |               | 12443.56                   |                       |

| 6.5 STATION WISE GENERATION - THERMAL (1971-72 TO 2014-15) |                      |                                                                                                                                     |                 |                 |                 |                 |                 |                    |                                                |            |              |                 |          |               |           |          |
|------------------------------------------------------------|----------------------|-------------------------------------------------------------------------------------------------------------------------------------|-----------------|-----------------|-----------------|-----------------|-----------------|--------------------|------------------------------------------------|------------|--------------|-----------------|----------|---------------|-----------|----------|
| S.No.                                                      | Year                 | Hussain Sagar                                                                                                                       | Rama-gundam 'A' | Rama-gundam 'B' | Kotha-gudem 'A' | Kotha-gudem 'B' | Kotha-gudem 'C' | Kotha-gudem 'V'&VI | Nellore                                        | Vijayawada | R.T.P.P RIPP | G.T.S Erragadda | Kakaitya | Krishnapatnam | M U Total |          |
| 1.                                                         | 1971-72              | 5.64                                                                                                                                | 166.16          | 28.92           | 1410.99         | --              | --              | --                 | 208.69                                         | --         | --           | 3.88            |          |               | 1824.28   |          |
| 2.                                                         | 1972-73              | 23.01                                                                                                                               | 112.74          | 168.71          | 1492.94         | --              | --              | --                 | 232.88                                         | --         | --           | 23.28           |          |               | 2053.56   |          |
| 3.                                                         | 1973-74              | 44.58                                                                                                                               | 90.67           | 399.54          | 1460.52         | --              | --              | --                 | 196.75                                         | --         | --           | 4.04            |          |               | 2196.10   |          |
| 4.                                                         | 1974-75              | 68.75                                                                                                                               | 106.39          | 468.63          | 1605.60         | 217.54          | --              | --                 | 241.12                                         | --         | --           | 1.12            |          |               | 2709.15   |          |
| 5.                                                         | 1975-76              | 63.34                                                                                                                               | 141.00          | 283.43          | 1216.60         | 863.06          | --              | --                 | 159.91                                         | --         | --           | 1.57            |          |               | 2728.91   |          |
| 6.                                                         | 1976-77              | 64.25                                                                                                                               | 127.89          | 496.51          | 1377.04         | 884.17          | --              | --                 | 194.19                                         | --         | --           | 0.82            |          |               | 3144.87   |          |
| 7.                                                         | 1977-78              | 55.88                                                                                                                               | 121.24          | 508.37          | 1254.89         | 533.39          | 488.41          | --                 | 183.45                                         | --         | --           | --              |          |               | 3145.63   |          |
| 8.                                                         | 1978-79              | 30.80                                                                                                                               | 75.35           | 458.52          | 949.73          | 431.04          | 748.75          | --                 | 181.10                                         | --         | --           | --              |          |               | 2875.29   |          |
| 9.                                                         | 1979-80              | 32.91                                                                                                                               | 92.68           | 407.86          | 1027.38         | 501.05          | 935.31          | --                 | 75.56                                          | 194.80     | --           | --              |          |               | 3267.55   |          |
| 10.                                                        | 1980-81              | 18.49                                                                                                                               | 66.07           | 366.82          | 1022.99         | 420.57          | 548.14          | --                 | 21.20                                          | 1131.61    | --           | --              |          |               | 3595.89   |          |
| 11.                                                        | 1981-82              | 10.64                                                                                                                               | 59.34           | 333.60          | 981.36          | 502.48          | 513.74          | --                 | --                                             | 2691.78    | --           | --              |          |               | 5092.94   |          |
| 12.                                                        | 1982-83              | 11.50                                                                                                                               | 47.79           | 425.10          | 1048.41         | 519.21          | 522.56          | --                 | 76.18                                          | 2911.65    | --           | --              |          |               | 5562.40   |          |
| 13.                                                        | 1983-84              | Retired from service due to normal wear & tear w.e.f 1.4.1984<br><br>Retired from service due to normal wear & tear w.e.f 1.12.1984 | 1.07            | 11.61           | 399.44          | 1227.45         | 468.80          | 549.14             | --                                             | 145.79     | 3106.03      | --              | --       |               | 5909.33   |          |
| 14.                                                        | 1984-85              |                                                                                                                                     | 5.92            | 274.50          | 1237.51         | 617.34          | 735.31          | --                 | 117.40                                         | 2847.21    | --           | --              |          |               | 5835.19   |          |
| 15.                                                        | 1985-86              |                                                                                                                                     |                 | 493.07          | 1134.90         | 694.59          | 1060.23         | --                 | 119.17                                         | 3269.81    | --           | --              |          |               | 6771.77   |          |
| 16.                                                        | 1986-87              |                                                                                                                                     |                 | 435.83          | 1244.54         | 858.33          | 1250.46         | --                 | 167.17                                         | 3325.64    | --           | --              |          |               | 7281.97   |          |
| 17.                                                        | 1987-88              |                                                                                                                                     |                 | 390.58          | 1443.63         | 1212.89         | 1353.27         | --                 | 173.28                                         | 3411.69    | --           | --              |          |               | 7985.34   |          |
| 18.                                                        | 1988-89              |                                                                                                                                     |                 | 389.83          | 1315.86         | 1201.75         | 1087.84         | --                 | 165.05                                         | 3103.04    | --           | --              |          |               | 7263.37   |          |
| 19.                                                        | 1989-90              |                                                                                                                                     |                 | 250.85          | 1386.88         | 1023.41         | 1043.42         | --                 | 141.80                                         | 3375.41    | --           | --              |          |               | 7221.77   |          |
| 20.                                                        | 1990-91              |                                                                                                                                     |                 | 399.80          | 1095.59         | 917.11          | 928.69          | --                 | 61.88                                          | 4698.55    | --           | --              |          |               | 8101.62   |          |
| 21.                                                        | 1991-92              |                                                                                                                                     |                 | 309.53          | 1108.18         | 1049.45         | 823.77          | --                 | 120.73                                         | 5314.51    | --           | --              |          |               | 8726.17   |          |
| 22.                                                        | 1992-93              |                                                                                                                                     |                 | 220.60          | 1254.82         | 913.27          | 964.18          | --                 | 102.66                                         | 5658.65    | --           | --              |          |               | 9114.18   |          |
| 23.                                                        | 1993-94              |                                                                                                                                     |                 | 360.62          | 1327.03         | 1074.89         | 857.50          | --                 | 109.99                                         | 5909.39    | --           | --              |          |               | 9639.42   |          |
| 24.                                                        | 1994-95              |                                                                                                                                     |                 | 353.62          | 1207.41         | 1075.12         | 774.86          | --                 | 91.11                                          | 7318.08    | 22.14        | --              |          |               | 10842.34  |          |
| 25.                                                        | 1995-96              |                                                                                                                                     |                 | 374.38          | 1218.33         | 1117.98         | 1077.57         | --                 | 129.34                                         | 9857.75    | 1327.51      | --              |          |               | 15102.86  |          |
| 26.                                                        | 1996-97              |                                                                                                                                     |                 | 378.06          | 1395.43         | 1177.94         | 946.71          | 0.12               | 110.64                                         | 10274.31   | 2436.55      | --              |          |               | 16719.76  |          |
| 27.                                                        | 1997-98              |                                                                                                                                     |                 | 400.19          | 1222.22         | 1220.28         | 1194.56         | 1526.31            | 116.22                                         | 10357.13   | 2982.58      | --              |          |               | 19019.49  |          |
| 28.                                                        | 1998-99              |                                                                                                                                     |                 | 380.37          | 1168.44         | 572.22          | 1035.32         | 3387.17            | 97.12                                          | 9827.93    | 3365.05      | -               |          |               | 19833.62  |          |
| 29.                                                        | 1999-00              |                                                                                                                                     |                 | 428.70          | 1615.57         | 1062.15         | 1209.43         | 3933.42            | 127.94                                         | 9621.54    | 3500.35      | -               |          |               | 21499.10  |          |
| 30.                                                        | 2000-01              |                                                                                                                                     |                 | 443.70          | 1697.55         | 795.15          | 1370.57         | 3784.36            | 169.33                                         | 10198.21   | 3475.38      | -               |          |               | 21934.25  |          |
| 31.                                                        | 2001-02              |                                                                                                                                     |                 | 425.40          | 1753.26         | 1064.37         | 1354.51         | 3862.49            | 156.09                                         | 10228.07   | 3400.81      | -               |          |               | 22245.00  |          |
| 32.                                                        | 2002-03              |                                                                                                                                     |                 | 388.67          | 1844.07         | 1461.62         | 1339.29         | 4080.53            | 145.90                                         | 10283.63   | 3488.82      | -               |          |               | 23032.54  |          |
| 33.                                                        | 2003-04              |                                                                                                                                     |                 | 471.28          | 1727.86         | 1867.32         | 630.77          | 4038.37            | 153.94                                         | 10164.27   | 3401.58      | --              |          |               | 22455.39  |          |
| 34.                                                        | 2004-05              |                                                                                                                                     |                 | 444.21          |                 | 4888.63         |                 | 3763.06            | 130.42                                         | 8900.86    | 3017.89      | --              |          |               | 21145.07  |          |
| 35.                                                        | 2005-06              |                                                                                                                                     |                 | 356.18          | 1457.65         | 1441.10         | 1402.38         | 3143.29            | Retired from service due to normal wear & tear | 5.60       | 8801.48      | 2110.65         | --       |               |           | 18718.33 |
| 36.                                                        | 2006-07              |                                                                                                                                     |                 | 298.21          | 1576.54         | 1446.97         | 1347.83         | 3334.13            |                                                |            | 9030.31      | 2960.08         | --       |               |           | 19994.07 |
| 36.                                                        | 2007-08              |                                                                                                                                     |                 | 459.24          | 1625.67         | 1392.00         | 1593.58         | 3590.24            |                                                |            | 8848.98      | 3941.86         |          |               |           | 21451.57 |
| 37.                                                        | 2008-09              |                                                                                                                                     |                 | 428.53          | 1504.29         | 1255.70         | 1314.19         | 3282.20            |                                                |            | 9392.28      | 6117.28         |          |               |           | 23294.47 |
| 39.                                                        | 2009-10              |                                                                                                                                     |                 | 467.33          | 1618.90         | 1524.25         | 1349.10         | 3623.87            |                                                |            | 9741.33      | 5776.38         |          |               |           | 24101.16 |
| 40.                                                        | 2010-11              |                                                                                                                                     |                 | 428.05          | 1597.57         | 1504.80         | 1503.17         | 3080.44            |                                                |            | 11405.06     | 5636.61         |          | 1689.92       |           | 26845.62 |
| 41.                                                        | 2011-12              |                                                                                                                                     |                 | 413.75          | 1619.58         | 1489.94         | 1424.85         | 5357.90            |                                                |            | 12996.82     | 7323.62         |          | 2266.66       |           | 32893.12 |
| 42.                                                        | 2012-13              |                                                                                                                                     |                 | 393.63          | 1471.69         | 1309.68         | 1340.74         | 7242.50            |                                                |            | 12267.36     | 6959.03         |          | 3744.91       |           | 34729.54 |
| 43.                                                        | 2013-14              |                                                                                                                                     |                 | 401.94          | 1379.94         | 1348.45         | 1075.80         | 6475.51            |                                                |            | 11742.64     | 6346.40         |          | 2935.32       |           | 31706.00 |
| 44.                                                        | 2014-15 (Apr to Mar) |                                                                                                                                     |                 | 65.41           | 249.15          | 238.69          | 158.13          | 1150.51            |                                                |            | 2022.18      | 1124.74         |          | 655.43        | 38.42     | 5702.66  |
|                                                            | 2014-15 (Jun to Mar) |                                                                                                                                     |                 | **              | **              | **              | **              | **                 |                                                | 9553.27    | 5294.22      | **              | **       | 1380.99       | 16228.48  |          |

(\*) Net Generation from 2004-05 as per EBC

| 6.5(A) GAS BASED STATION (VJESWARAM) GENERATION MU (JOINT SECTOR) 1990-91 TO 2013-14 |         |                |                                           |      |                      |                |                                           |
|--------------------------------------------------------------------------------------|---------|----------------|-------------------------------------------|------|----------------------|----------------|-------------------------------------------|
| S.No                                                                                 | Year    | VJSM Stage - I | VJSM Stage -II Commissioned on 31-03-1997 | S.No | Year                 | VJSM Stage - I | VJSM Stage -II Commissioned on 31-03-1997 |
| 1                                                                                    | 1990-91 | 81.90          | --                                        | 14   | 2003-04              | 729.24         | 1380.05                                   |
| 2                                                                                    | 1991-92 | 354.73         | --                                        | 15   | 2004-05              | 698.79         | 1209.41                                   |
| 3                                                                                    | 1992-93 | 416.17         | --                                        | 16   | 2005-06              | 600.29         | 1152.69                                   |
| 4                                                                                    | 1993-94 | 524.74         | --                                        | 17   | 2006-07              | 253.43         | 1192.04                                   |
| 5                                                                                    | 1994-95 | 431.26         | --                                        | 18   | 2007-08              | 543.50         | 557.93                                    |
| 6                                                                                    | 1995-96 | 540.33         | --                                        | 19   | 2008-09              | 365.13         | 1075.56                                   |
| 7                                                                                    | 1996-97 | 626.67         | 0.04                                      | 20   | 2009-10              | 768.65         | 1318.66                                   |
| 8                                                                                    | 1997-98 | 671.29         | 577.69                                    | 21   | 2010-11              | 397.13         | 1283.61                                   |
| 9                                                                                    | 1998-99 | 527.20         | 1271.62                                   | 22   | 2011-12              | 234.28         | 1213.65                                   |
| 10                                                                                   | 1999-00 | 709.22         | 1297.12                                   | 23   | 2012-13              | 31.45          | 1108.63                                   |
| 11                                                                                   | 2000-01 | 663.97         | 1314.17                                   | 24   | 2013-14              | 131.53         | 884.96                                    |
| 12                                                                                   | 2001-02 | 739.15         | 1212.20                                   | 25   | 2014-15 (Apr to May) | 0.20           | 172.40                                    |
| 13                                                                                   | 2002-03 | 715.03         | 1315.01                                   |      | 2014-15 (Jun to Mar) | 4.99           | 451.71                                    |

**6.5 STATION WISE GENERATION - THERMAL (2014-15 TO 2015-16)**

| <b>S.No.</b> | <b>Year</b>         | <b>VTPS</b> | <b>R.T.P.P<br/>RTPP</b> | <b>Krishnapatnam</b> | <b>TOTAL in<br/>MU *</b> |
|--------------|---------------------|-------------|-------------------------|----------------------|--------------------------|
| 1            | 2014-15(Apr to May) | 2022.18     | 1124.74                 | 38.42                | 3185.34                  |
|              | 2014-15(Jun to Mar) | 9553.27     | 5294.22                 | 1380.99              | 16228.48                 |
| 2            | 2015-16             | 10972.67    | 6542.75                 | 4529.01              | 22044.43                 |

**6.5(A) GAS BASED STATION (VIJESWARAM) GENERATION MU (JOINT SECTOR)  
2014-15 TO 2015-16**

| <b>S.No</b> | <b>Year</b>         | <b>VJSM<br/>Stage - I</b> | <b>VJSM Stage -II<br/>Commissioned<br/>on 31-03-1997</b> |
|-------------|---------------------|---------------------------|----------------------------------------------------------|
| 1           | 2014-15(Apr to May) | 0.20                      | 172.40                                                   |
|             | 2014-15(Jun to Mar) | 4.99                      | 451.71                                                   |
| 2           | 2015-16             | 0.63                      | 681.46                                                   |

(\*) Net Generation from 2004-05 as per EBC

| 6.6 STATION WISE GENERATION - HYDEL (1971-72 TO 2015-16) |                      |          |                 |              |              |             |                          |                      |                   |                   |           |            |                |                        |                      |         |        |          |
|----------------------------------------------------------|----------------------|----------|-----------------|--------------|--------------|-------------|--------------------------|----------------------|-------------------|-------------------|-----------|------------|----------------|------------------------|----------------------|---------|--------|----------|
| Sl. No                                                   | Year                 | Machkund | T.B.Dam & Hampi | Upper Sileru | Lower Sileru | Nizam Sagar | Nagarjuna-sagar(Main PH) | Nagarjuna-sagar RCPH | Srisaillam (RBHS) | Srisaillam (LBHS) | Donkarayi | Pocham-pad | Penna ahobilam | Mini Hydel 11kV & 33kV | Nagarjuna-sagar LCPH | Singuru | Jurala | Total    |
| 1                                                        | 1971-72              | 397.45   | 239.66          | 553.72       | --           | 30.63       | --                       | --                   | --                | --                | --        | --         | --             | --                     | --                   | --      | --     | 1221.46  |
| 2                                                        | 1972-73              | 365.68   | 192.97          | 411.69       | --           | 4.05        | --                       | --                   | --                | --                | --        | --         | --             | --                     | --                   | --      | --     | 974.39   |
| 3                                                        | 1973-74              | 270.32   | 155.85          | 457.03       | --           | 26.88       | --                       | --                   | --                | --                | --        | --         | --             | --                     | --                   | --      | --     | 910.08   |
| 4                                                        | 1974-75              | 176.65   | 101.68          | 221.84       | --           | 32.44       | --                       | --                   | --                | --                | --        | --         | --             | --                     | --                   | --      | --     | 532.61   |
| 5                                                        | 1975-76              | 344.74   | 238.81          | 314.44       | 8.01         | 35.50       | --                       | --                   | --                | --                | --        | --         | --             | --                     | --                   | --      | --     | 941.50   |
| 6                                                        | 1976-77              | 435.38   | 115.45          | 417.14       | 688.06       | 24.01       | --                       | --                   | --                | --                | --        | --         | --             | --                     | --                   | --      | --     | 1680.04  |
| 7                                                        | 1977-78              | 443.47   | 149.87          | 387.45       | 949.81       | 13.08       | 58.28                    | --                   | --                | --                | --        | --         | --             | --                     | --                   | --      | --     | 2001.96  |
| 8                                                        | 1978-79              | 455.52   | 171.14          | 485.39       | 1163.46      | 41.98       | 862.79                   | --                   | --                | --                | --        | --         | --             | --                     | --                   | --      | --     | 3180.28  |
| 9                                                        | 1979-80              | 438.22   | 165.18          | 473.64       | 1089.14      | 29.78       | 869.58                   | --                   | --                | --                | --        | --         | --             | --                     | --                   | --      | --     | 3065.54  |
| 10                                                       | 1980-81              | 370.95   | 187.15          | 401.78       | 1035.40      | 30.41       | 1509.41                  | --                   | --                | --                | --        | --         | --             | --                     | --                   | --      | --     | 3535.10  |
| 11                                                       | 1981-82              | 481.04   | 209.36          | 361.91       | 992.56       | 31.57       | 1907.81                  | --                   | --                | --                | --        | --         | --             | --                     | --                   | --      | --     | 3984.25  |
| 12                                                       | 1982-83              | 438.52   | 188.27          | 374.47       | 964.32       | 28.68       | 2239.41                  | 1.49                 | 448.70            | --                | --        | --         | --             | --                     | --                   | --      | --     | 4683.86  |
| 13                                                       | 1983-84              | 453.90   | 170.25          | 421.36       | 1095.55      | 38.16       | 2079.04                  | 121.20               | 660.67            | --                | 52.02     | --         | --             | --                     | --                   | --      | --     | 5092.15  |
| 14                                                       | 1984-85              | 577.52   | 196.36          | 488.92       | 1265.20      | 29.88       | 1953.91                  | 121.57               | 2006.19           | --                | 76.44     | --         | --             | --                     | --                   | --      | --     | 6715.99  |
| 15                                                       | 1985-86              | 447.42   | 150.82          | 303.81       | 823.77       | 8.88        | 1512.57                  | 39.97                | 2114.69           | --                | 51.36     | --         | --             | --                     | --                   | --      | --     | 5453.29  |
| 16                                                       | 1986-87              | 446.59   | 146.24          | 350.07       | 933.98       | 8.25        | 1652.00                  | 42.27                | 2864.36           | --                | 73.71     | --         | --             | --                     | --                   | --      | --     | 6517.47  |
| 17                                                       | 1987-88              | 392.35   | 104.92          | 320.42       | 897.22       | 15.12       | 1132.62                  | 109.54               | 2778.35           | --                | 66.49     | 46.81      | --             | 0.50                   | --                   | --      | --     | 5864.34  |
| 18                                                       | 1988-89              | 397.12   | 149.73          | 278.92       | 830.67       | 27.00       | 2208.64                  | 211.61               | 2616.52           | --                | 54.59     | 100.12     | --             | 2.88                   | --                   | --      | --     | 6877.80  |
| 19                                                       | 1989-90              | 425.66   | 133.97          | 387.43       | 1121.38      | 35.49       | 2337.80                  | 220.65               | 2958.36           | --                | 54.97     | 124.68     | --             | 2.26                   | --                   | --      | --     | 7802.65  |
| 20                                                       | 1990-91              | 580.34   | 139.18          | 596.86       | 1361.32      | 45.14       | 3197.39                  | 246.33               | 3589.99           | --                | 110.73    | 147.41     | --             | 2.39                   | --                   | --      | --     | 10017.08 |
| 21                                                       | 1991-92              | 524.66   | 153.83          | 589.69       | 1481.48      | 21.97       | 3011.62                  | 226.92               | 3269.13           | --                | 130.52    | 103.58     | --             | 2.23                   | --                   | --      | --     | 9515.63  |
| 22                                                       | 1992-93              | 484.97   | 169.51          | 516.69       | 1293.19      | 7.53        | 2611.47                  | 230.58               | 3181.62           | --                | 100.82    | 89.78      | --             | 6.30                   | 65.25                | --      | --     | 8757.71  |
| 23                                                       | 1993-94              | 390.99   | 130.54          | 358.42       | 1031.66      | 2.62        | 3511.77                  | 224.27               | 3797.89           | --                | 37.71     | 42.93      | 0.79           | 7.61                   | 95.22                | --      | --     | 9632.42  |
| 24                                                       | 1994-95              | 351.29   | 133.01          | 493.51       | 1128.60      | 2.54        | 3724.91                  | 265.21               | 3306.20           | --                | 57.36     | 69.02      | 11.81          | 9.41                   | 134.35               | --      | --     | 9687.22  |
| 25                                                       | 1995-96              | 427.82   | 101.90          | 618.08       | 1457.10      | 14.73       | 1083.99                  | 49.04                | 2666.50           | --                | 109.14    | 100.69     | 13.89          | 9.79                   | 9.08                 | --      | --     | 6661.75  |
| 26                                                       | 1996-97              | 495.82   | 120.27          | 460.59       | 1128.46      | 24.17       | 2212.06                  | 238.29               | 2960.55           | --                | 71.21     | 102.32     | 19.01          | 11.45                  | 125.81               | --      | --     | 7970.01  |
| 27                                                       | 1997-98              | 299.51   | 112.34          | 354.12       | 862.63       | 5.09        | 2277.63                  | 197.78               | 2955.00           | --                | 56.35     | 14.89      | 7.47           | 12.00                  | 90.32                | --      | --     | 7245.13  |
| 28                                                       | 1998-99              | 249.35   | 140.25          | 322.03       | 871.92       | 13.36       | 2383.10                  | 254.02               | 2616.89           | --                | 72.76     | 137.95     | 10.79          | 11.12                  | 105.70               | --      | --     | 7189.24  |
| 29                                                       | 1999-00              | 375.75   | 123.32          | 444.38       | 1264.12      | 16.74       | 2397.67                  | 202.89               | 2974.34           | --                | 117.89    | 117.26     | 5.17           | 6.73                   | 85.28                | 1.46    | --     | 8133.00  |
| 30                                                       | 2000-01              | 383.60   | 150.95          | 437.28       | 1312.67      | 24.33       | 1527.14                  | 42.87                | 3036.63           | --                | 140.60    | 110.64     | 14.67          | 10.94                  | 16.96                | 21.40   | --     | 7230.68  |
| 31                                                       | 2001-02              | 448.30   | 116.07          | 447.33       | 1056.37      | 3.49        | 1067.22                  | 61.02                | 1942.25           | 381.91            | 83.85     | 102.70     | 5.05           | 12.56                  | 23.82                | 5.15    | --     | 5757.09  |
| 32                                                       | 2002-03              | 273.34   | 96.62           | 245.58       | 613.74       | 0.00        | 869.01                   | 0.00                 | 539.65            | 557.69            | 39.95     | 82.98      | 0.00           | 11.88                  | 0.00                 | 6.40    | --     | 3336.85  |
| 33                                                       | 2003-04              | 289.07   | 88.59           | 399.83       | 973.39       | 5.00        | 375.13                   | 0.00                 | 307.67            | 327.60            | 109.96    | 62.71      | 0.00           | 12.33                  | 0.00                 | 7.70    | --     | 2958.98  |
| 34                                                       | 2004-05              | 472.41   | 119.07          | 523.40       | 1140.58      | -0.05       | 493.14                   | 48.04                | 920.05            | 1406.21           | 130.77    | 2.19       | -0.19          | 5.88                   | 4.67                 | 1.05    | --     | 5267.22  |
| 35                                                       | 2005-06              | 393.17   | 172.43          | 458.36       | 1013.86      |             | 1518.83                  | 276.11               | 1461.08           | 2220.85           | 114.47    | 108.97     | 9.69           |                        | 116.48               | 8.23    | --     | 7872.53  |
| 36                                                       | 2006-07              | 447.11   | 195.31          | 595.57       | 1327.47      |             | 1781.40                  | 284.73               | 1715.06           | 2501.13           | 127.16    | 100.94     | 13.42          |                        | 147.38               | 9.95    | --     | 9246.63  |
| 37                                                       | 2007-08              | 240.42   | 214.81          | 521.64       | 1253.98      |             | 2090.75                  | 207.78               | 2150.62           | 2532.77           | 132.61    | 63.67      | 2.17           |                        | 96.02                | 2.52    | --     | 9509.76  |
| 38                                                       | 2008-09              | 327.47   | 194.33          | 606.87       | 1355.81      |             | 1079.16                  | 171.84               | 1764.25           | 1795.10           | 126.39    | 64.26      | 1.43           |                        | 84.02                | 7.48    | 124.13 | 7702.54  |
| 39                                                       | 2009-10              | 294.59   | 187.87          | 221.41       | 622.13       |             | 1183.63                  | 114.62               | 1236.20           | 1270.92           | 40.57     | 2.90       | 3.41           |                        | 30.03                | 3.19    | 239.02 | 5450.48  |
| 40                                                       | 2010-11              | 290.23   | 155.89          | 414.47       | 1049.47      |             | 1264.29                  | 278.17               | 1794.26           | 1984.31           | 118.53    | 82.82      | 3.80           |                        | 133.34               | 23.79   | 124.30 | 7717.67  |
| 41                                                       | 2011-12              | 234.23   | 187.70          | 414.04       | 1015.37      |             | 1109.74                  | 153.14               | 1177.34           | 1373.04           | 131.52    | 87.80      | 4.97           | 200.51                 | 66.86                | 12.80   | 206.50 | 6375.56  |
| 42                                                       | 2012-13              | 286.91   | 134.89          | 398.58       | 1103.62      |             | 233.32                   | 0.16                 | 475.22            | 304.84            | 48.12     | 15.98      | 1.84           | 66.21                  | 0.00                 | 3.15    | 133.78 | 3206.62  |
| 43                                                       | 2013-14              | 310.72   | 153.06          | 458.16       | 1268.49      | 12.95       | 1350.53                  | 211.60               | 1477.60           | 1330.61           | 116.21    | 85.05      | 5.18           | 9.53                   | 97.76                | 4.85    | 270.84 | 7163.14  |
| 44                                                       | 2014-15 (Apr to May) | 50.15    | 0.69            | 96.83        | 262.08       |             | 5.40                     | 0.00                 | 88.62             | 72.76             | 26.07     | 6.31       | -0.10          | 11.30                  | 0.00                 | 1.26    | 0.00   | 621.37   |
|                                                          | 2014-15 (Jun to Mar) | 245.41   | 173.09          | 417.08       | 1008.38      |             |                          | 184.56               | 1031.63           |                   | 110.09    |            | 12.66          | 21.83                  |                      |         |        | 3204.73  |
| 45                                                       | 2015-16              | 297.27   | 97.82           | 508.85       | 1236.40      |             |                          | 0.00                 | 207.70            |                   | 116.54    |            | 7.12           | 2.00                   |                      |         |        | 2473.70  |

# 6.7 GENERATION, PURCHASE, IMPORT AND EXPORT OF ENERGY

| Generation (Gross), Purchases, imported and wheeled |         |          |          |                              |           |            |        |                         |             |           |       |             |
|-----------------------------------------------------|---------|----------|----------|------------------------------|-----------|------------|--------|-------------------------|-------------|-----------|-------|-------------|
| Year                                                | Hydel   | Thermal  | Total    | NTPC+MAPP +<br>Kaiga+Neyveli | Karnataka | Tamil Nadu | Orissa | M.P / GEB/PSEB<br>/CSEB | Maharashtra | Others \$ | Total | Grand Total |
| 1971-72                                             | 1221    | 1824     | 3045     | -                            | 266       | 14         | -      | -                       | -           | -         | 280   | 3325        |
| 1972-73                                             | 974     | 2053     | 3027     | -                            | 103       | 44         | -      | -                       | -           | -         | 147   | 3174        |
| 1973-74                                             | 910     | 2196     | 3106     | -                            | 67        | 43         | 395    | -                       | -           | -         | 505   | 3611        |
| 1974-75                                             | 533     | 2709     | 3242     | -                            | 81        | 33         | 518    | -                       | -           | -         | 632   | 3874        |
| 1975-76                                             | 941     | 2729     | 3670     | -                            | 47        | 95         | 332    | -                       | -           | -         | 474   | 4144        |
| 1976-77                                             | 1680    | 3145     | 4825     | -                            | 50        | 56         | 223    | -                       | -           | -         | 329   | 5154        |
| 1977-78                                             | 2002    | 3146     | 5148     | -                            | 58        | 99         | 105    | -                       | -           | -         | 262   | 5410        |
| 1978-79                                             | 3180    | 2876     | 6056     | -                            | 50        | 67         | 10     | -                       | -           | -         | 127   | 6183        |
| 1979-80                                             | 3225    | 3268     | 6493     | -                            | 48        | 55         | 1      | -                       | -           | -         | 104   | 6597        |
| 1980-81                                             | 3680    | 3596     | 7276     | -                            | 32        | 42         | 28     | -                       | -           | -         | 102   | 7378        |
| 1981-82                                             | 3984    | 5093     | 9077     | -                            | 9         | 10         | 21     | -                       | -           | -         | 40    | 9117        |
| 1982-83                                             | 4684    | 5562     | 10246    | -                            | 6         | -          | 16     | 7                       | -           | -         | 29    | 10275       |
| 1983-84                                             | 5092    | 5909     | 11001    | 173                          | 1         | -          | -      | 9                       | -           | -         | 183   | 11184       |
| 1984-85                                             | 6716    | 5835     | 12551    | 834                          | -         | -          | -      | 17                      | -           | -         | 851   | 13402       |
| 1985-86                                             | 5453    | 6772     | 12225    | 2095                         | -         | -          | -      | 141                     | -           | -         | 2236  | 14461       |
| 1986-87                                             | 6517    | 7282     | 13799    | 1979                         | -         | -          | -      | 240                     | -           | -         | 2219  | 16018       |
| 1987-88                                             | 5864    | 7986     | 13850    | 1605                         | -         | 30         | -      | 212                     | -           | -         | 1847  | 15697       |
| 1988-89                                             | 6878    | 7263     | 14141    | 2376                         | 1         | 6          | -      | 527                     | -           | -         | 2910  | 17051       |
| 1989-90                                             | 7802    | 7222     | 15024    | 3550                         | 4         | -          | -      | 468                     | -           | 25        | 4047  | 19071       |
| 1990-91                                             | 10017   | 8102     | 18119    | 2725                         | 2         | -          | -      | 73                      | 135         | 49        | 2984  | 21103       |
| 1991-92                                             | 9516    | 8726     | 18242    | 4595                         | -         | -          | 48     | 22                      | 140         | 461       | 5266  | 23508       |
| 1992-93                                             | 8758    | 9114     | 17872    | 6748                         | -         | -          | -      | 201                     | 87          | 466       | 7502  | 25374       |
| 1993-94                                             | 9633    | 9639     | 19272    | 7612                         | -         | -          | -      | 32                      | 346         | 603       | 8593  | 27865       |
| 1994-95                                             | 9687    | 10842    | 20529    | 8449                         | -         | -          | 149    | 109                     | 208         | 541       | 9456  | 29985       |
| 1995-96                                             | 6662    | 15103    | 21765    | 7814                         | -         | -          | 585    | 34                      | 89          | 637       | 9159  | 30924       |
| 1996-97                                             | 7970    | 16720    | 24690    | 6964                         | -         | -          | 290    | 6                       | -           | 1733      | 8993  | 33683       |
| 1997-98                                             | 7245    | 19019    | 26265    | 7321                         | -         | -          | 651    | 0                       | 260         | 3649      | 11881 | 38146       |
| 1998-99                                             | 7189    | 19834    | 27023    | 6921                         | -         | -          | 924    | 51                      | 340         | 5314      | 13551 | 40573       |
| APGENCO                                             |         |          |          |                              |           |            |        |                         |             |           |       |             |
| 1999-2K                                             | 8133.00 | 21499.10 | 29632.10 |                              |           |            |        |                         |             |           |       | 29632.10    |
| 2000-01                                             | 7230.68 | 21934.25 | 29164.93 |                              |           |            |        |                         |             |           |       | 29164.93    |
| 2001-02                                             | 5757.10 | 22245.00 | 28002.10 |                              |           |            |        |                         |             |           |       | 28002.10    |
| 2002-03                                             | 3336.85 | 23032.54 | 26369.39 |                              |           |            |        |                         |             |           |       | 26369.39    |
| 2003-04                                             | 2958.98 | 22455.39 | 25414.37 |                              |           |            |        |                         |             |           |       | 25414.37    |
| 2004-05                                             | 5267.22 | 21145.07 | 26412.29 |                              |           |            |        |                         |             |           |       | 26412.29    |
| 2005-06                                             | 7872.53 | 18718.33 | 26590.86 |                              |           |            |        |                         |             |           |       | 26590.86    |
| 2006-07                                             | 9246.63 | 19994.07 | 29240.70 |                              |           |            |        |                         |             |           |       | 29240.70    |
| 2007-08                                             | 9509.76 | 21451.57 | 30961.33 |                              |           |            |        |                         |             |           |       | 30961.33    |
| 2008-09                                             | 7702.54 | 23294.47 | 30997.01 |                              |           |            |        |                         |             |           |       | 30997.01    |
| 2009-10                                             | 5450.48 | 24101.16 | 29551.64 |                              |           |            |        |                         |             |           |       | 29551.64    |
| 2010-11                                             | 7717.67 | 26845.62 | 34563.29 |                              |           |            |        |                         |             |           |       | 34563.29    |
| 2011-12                                             | 6375.55 | 32893.11 | 39268.66 |                              |           |            |        |                         |             |           |       | 39268.66    |
| 2012-13                                             | 3206.64 | 34729.55 | 37936.19 |                              |           |            |        |                         |             |           |       | 37936.19    |
| 2013-14                                             | 7142.91 | 31706.00 | 38848.91 |                              |           |            |        |                         |             |           |       | 38848.91    |
| 2014-15                                             | 3750.30 | 19868.38 | 23618.68 |                              |           |            |        |                         |             |           |       | 23618.68    |
| 2015-16                                             | 2486.51 | 21217.17 | 23703.68 |                              |           |            |        |                         |             |           |       | 23703.68    |

☼ Western Electricity Boards

\$ Column (11) includes Other's (APGPCL,NTPC,Wind,Mini hydel,Co-Gen etc..) energy handled from the year 1991-92 onwards  
EBC net generation from 2004-05 onwards

(Contd..)

| 6.7 GENERATION, PURCHASE, IMPORT AND EXPORT OF ENERGY |             |                       |                |           |            |        |       |             |             |       |           |
|-------------------------------------------------------|-------------|-----------------------|----------------|-----------|------------|--------|-------|-------------|-------------|-------|-----------|
|                                                       |             |                       |                |           |            |        |       |             |             |       | MU        |
| Year                                                  | Gross Total | Auxiliary Consumption | Net Generation | Exports   |            |        |       |             |             |       | Net Total |
|                                                       |             |                       |                | Karnataka | Tamil Nadu | Orissa | M.P.  | Maharashtra | Pondicherry | Total |           |
| 1989-90                                               | 19071       | 729.01                | 18341.99       | 3         | --         | 139    | 35    | --          | 16          | 193   | 18148.99  |
| 1990-91                                               | 21103       | 869.86                | 20233.14       | 32        | --         | 112    | 5     | --          | 13          | 162   | 20071.14  |
| 1991-92                                               | 23508       | 958.75                | 22549.25       | 5         | --         | 159    | --    | --          | 18          | 182   | 22367.25  |
| 1992-93                                               | 25374       | 958.01                | 24415.99       | 6         | --         | 142    | 30    | --          | 17          | 195   | 24220.99  |
| 1993-94                                               | 27865       | 1002.26               | 26862.74       | 28        | --         | 94     | --    | --          | 18          | 140   | 26722.74  |
| 1994-95                                               | 29985       | 1137.89               | 28847.11       | --        | --         | --     | 15    | --          | 19          | 34    | 28813.11  |
| 1995-96                                               | 30924       | 1466.55               | 29457.45       | 1         | --         | --     | --    | --          | 22          | 23    | 29434.45  |
| 1996-97                                               | 33683       | 1590.57               | 32092.22       | --        | --         | 0.45   | 40.48 | --          | 21.68       | 62.61 | 32029.61  |
| 1997-98                                               | 38146       | 1788.58               | 36357.51       | -         | -          | -      | -     |             | 27.61       | 27.61 | 36329.90  |
| 1998-99                                               | 40574       | 1853.43               | 38720.57       | --        | --         | --     | --    | --          | 24          | 24    | 38696.57  |
| APGENCO                                               |             |                       |                |           |            |        |       |             |             |       |           |
| 1999-2K                                               | 29632       | 2022                  | 27610          | --        | --         | --     | --    | --          | 24          | 24    | 27586     |
| 2000-01                                               | 29165       | 2025                  | 27140          | --        | --         | --     | --    | --          | --          | --    | 27140     |
| 2001-02                                               | 28002       | 2029                  | 25973          | --        | --         | --     | --    | --          | --          | --    | 25973     |
| 2002-03                                               | 26369       | 2112                  | 24257          | --        | --         | --     | --    | --          | --          | --    | 24257     |
| 2003-04                                               | 25415       | 2072                  | 23343          | --        | --         | --     | --    | --          | --          | --    | 23343     |
| 2004-05                                               | 28562       | 2150                  | 26412          | --        | --         | --     | --    | --          | --          | --    | 26412     |
| 2005-06                                               | 28574       | 1983                  | 26591          |           |            |        |       |             |             |       | 26591     |
| 2006-07                                               | 31280       | 2039                  | 29241          |           |            |        |       |             |             |       | 29241     |
| 2007-08                                               | 33142       | 2181                  | 30961          |           |            |        |       |             |             |       | 30961     |
| 2008-09                                               | 33358       | 2361                  | 30997          |           |            |        |       |             |             |       | 30997     |
| 2009-10                                               | 31943       | 2392                  | 29552          |           |            |        |       |             |             |       | 29552     |
| 2010-11                                               | 37126       | 2563                  | 34563          |           |            |        |       |             |             |       | 34563     |
| 2011-12                                               | 42302       | 3034                  | 39269          |           |            |        |       |             |             |       | 39269     |
| 2012-13                                               | 41070       | 3134                  | 37936          |           |            |        |       |             |             |       | 37936     |
| 2013-14                                               | 41889       | 3040                  | 38849          |           |            |        |       |             |             |       | 38849     |
| 2014-15*                                              | 25462       | 1843                  | 23619          |           |            |        |       |             |             |       | 23619     |
| 2015-16*                                              | 23704       | 1871                  | 21833          |           |            |        |       |             |             |       | 21833     |

\* Excluding Krishnapatnam

# 6.8 APSEB SALE OF ENERGY AND LINE LOSSES

|                   |                                  |                            |                                  |             |           |             | (Figures in MU)        |
|-------------------|----------------------------------|----------------------------|----------------------------------|-------------|-----------|-------------|------------------------|
| Year ending March | Total Net Generation + Purchases | Sales with in the state \$ | Sales to other states and export | Total Sales | Line Loss | % Line Loss | Other Energies handled |
| 1971-72           | 3185.17                          | 2336.55                    | 3.59                             | 2340.14     | 845.03    | 26.53       | --                     |
| 1972-73           | 3018.51                          | 2185.72                    | 61.36                            | 2247.08     | 771.43    | 25.56       | --                     |
| 1973-74           | 3435.30                          | 2495.03                    | 90.62                            | 2585.65     | 849.65    | 24.73       | --                     |
| 1974-75           | 3631.26                          | 2636.76                    | 100.29                           | 2737.05     | 894.21    | 24.63       | --                     |
| 1975-76           | 3842.65                          | 2803.70                    | 102.54                           | 2906.24     | 936.41    | 24.37       | --                     |
| 1976-77           | 4804.94                          | 3443.19                    | 189.98                           | 3633.17     | 1171.77   | 24.39       | --                     |
| 1977-78           | 5039.81                          | 3788.16                    | 113.18                           | 3901.34     | 1138.47   | 22.59       | --                     |
| 1978-79           | 5824.29                          | 4341.33                    | 271.92                           | 4613.25     | 1211.04   | 20.79       | --                     |
| 1979-80           | 6195.48                          | 4557.55                    | 312.14                           | 4869.69     | 1325.79   | 21.40       | --                     |
| 1980-81           | 6915.19                          | 5109.93                    | 281.50                           | 5391.43     | 1523.76   | 22.03       | --                     |
| 1981-82           | 8551.86                          | 6099.76                    | 478.53                           | 6578.29     | 1973.57   | 23.08       | --                     |
| 1982-83           | 9648.52                          | 7106.66                    | 313.58                           | 7420.24     | 2228.28   | 23.09       | --                     |
| 1983-84           | 10521.08                         | 7722.08                    | 551.35                           | 8273.43     | 2247.65   | 21.36       | --                     |
| 1984-85           | 12716.99                         | 9239.16                    | 873.04                           | 10112.20    | 2604.79   | 20.48       | --                     |
| 1985-86           | 13730.60                         | 10321.28                   | 538.23                           | 10859.51    | 2871.09   | 20.91       | --                     |
| 1986-87           | 15217.78                         | 11769.92                   | 301.12                           | 12071.04    | 3146.74   | 20.68       | --                     |
| 1987-88           | 14870.95                         | 11678.16                   | 214.27                           | 11892.43    | 2978.52   | 20.03       | --                     |
| 1988-89           | 16305.34                         | 13059.48                   | 146.10                           | 13205.58    | 3099.76   | 19.01       | --                     |
| 1989-90           | 18341.93                         | 14434.56                   | 193.02                           | 14627.58    | 3714.35   | 20.25       | --                     |
| 1990-91           | 20233.14                         | 16093.10                   | 161.06                           | 16254.16    | 3978.98   | 19.67       | --                     |
| 1991-92           | 22549.27                         | 18015.95                   | 182.16                           | 18198.11    | 4351.16   | 19.30       | 255.87                 |
| 1992-93           | 24415.76                         | 19542.44                   | 195.00                           | 19737.44    | 4678.32   | 19.16       | 304.56                 |
| 1993-94           | 26862.91                         | 21606.04                   | 139.54                           | 21745.58    | 5117.33   | 19.05       | 344.46                 |
| 1994-95           | 28847.57                         | 23349.18                   | 34.16                            | 23383.34    | 5464.23   | 18.94       | 327.2                  |
| 1995-96           | 29457.3                          | 23882.35                   | 23.00                            | 23905.35    | 5551.95   | 18.85       | 427.02                 |
| 1996-97           | 32092.22                         | 21747.68                   | 62.61                            | 21810.29    | 10281.93  | 32.0%       | 880.00                 |
| 1997-98           | 36357.51                         | 24309.11                   | 27.61                            | 24336.72    | 12020.79  | 33.0%       | 694.65                 |
| 1998-99           | 38720.01                         | 23982.4                    | 24.00                            | 24006.40    | 14713.61  | 38.0%       | 1462.36                |

✦ Including others energy wheeled from 1991-92 on wards.

✱ Technical and non-technical (commercial) losses (After formation of Energy Audit wing w.e.f 1996)

\$ Including 3 rd party sales, Energy assessed in theft, pilferage & back billing etc.

**Note:** The data is furnished at Section 7.8 from 1999-2000 onwards .

**6.9 PERFORMANCE OF VIJAYAWADA THERMAL POWER STATION**

| S.No. | Item                    | Unit  | 2001-02  | 2002-03  | 2003-04  | 2004-05 | 2005-06 | 2006-07 | 2007-08 | 2008-09  | 2009-10  | 2010-11  | 2011-12  | 2012-13  | 2013-14  | 2014-15  | 2015-16  |
|-------|-------------------------|-------|----------|----------|----------|---------|---------|---------|---------|----------|----------|----------|----------|----------|----------|----------|----------|
| 1.    | Units Generated         | MU    | 10228.07 | 10283.63 | 10164.27 | 9851.05 | 9754.94 | 9953.95 | 9765.44 | 10340.94 | 10727.18 | 12408.14 | 14159.09 | 13410.51 | 12833.42 | 12704.85 | 12066.23 |
| 2.    | Auxiliary consumption   | MU    | 882.44   | 901.58   | 916.77   | 924.75  | 917.17  | 880.31  | 862.05  | 895.32   | 947.96   | 960.45   | 1115.26  | 1093.94  | 1050.14  | 1077.56  | 1098.16  |
| 3.    | Auxiliary consumption % | %     | 8.63     | 8.77     | 9.02     | 9.39    | 9.4     | 8.84    | 8.83    | 8.66     | 8.84     | 7.74     | 7.88     | 8.16     | 8.18     | 8.48     | 9.10     |
| 4.    | Service                 | Hours | 8197.94  | 8298.76  | 8364.36  | 8067.55 | 8234.62 | 8104.99 | 7941.16 | 8332.00  | 7858.06  | 7418.53  | 8342.98  | 8057.27  | 8004.25  | 8211.56  | 8018.89  |
| 5.    | Planned maintenance     | Hours | 562.06   | 461.24   | 419.64   | 692.45  | 525.38  | 655.01  | 842.84  | 428.00   | 901.94   | 1341.47  | 441.02   | 702.73   | 755.75   | 548.49   | 759.48   |
| 6.    | Forced outage           |       |          |          |          |         |         |         |         |          |          |          |          |          |          |          |          |
| 7.    | Reserve shutdown        |       |          |          |          |         |         |         |         |          |          |          |          |          |          |          |          |
| 8.    | Availability factor     | %     | 93.58    | 94.73    | 95.22    | 92.10   | 94.00   | 92.52   | 90.40   | 95.11    | 89.70    | 84.69    | 94.98    | 91.98    | 91.37    | 93.74    | 91.29    |
| 9.    | P.L.F.                  | %     | 92.67    | 93.17    | 91.84    | 89.25   | 88.38   | 90.18   | 88.23   | 93.69    | 87.94    | 80.48    | 91.59    | 86.98    | 83.24    | 82.40    | 78.05    |
| 10.   | KWH / KW                |       | 8118     | 8162     | 8067     | 7818    | 7742    | 7900    | 7750    | 8207     | 7704     | 7050     | 8045     | 7620     | 7292     | 7219     | 6856     |

# 6.10 PERFORMANCE OF NELLORE THERMAL POWER STATION

| 31% PERFORMANCE OF RESERVE PLANT TO OVERSTAY |                       |       |         |         |         |         |         |                                  |
|----------------------------------------------|-----------------------|-------|---------|---------|---------|---------|---------|----------------------------------|
| S.No.                                        | Item                  | Unit  | 2001-02 | 2002-03 | 2003-04 | 2004-05 | 2005-06 | Power Plant closed               |
| 1.                                           | Units generated       | MU    | 156.09  | 145.90  | 153.94  | 154.4   | 7.42    | Power Plant closed on 23.04.2005 |
| 2.                                           | Auxiliary consumption | MU    | 20.71   | 20.16   | 58.42   | 21.37   | 1.21    |                                  |
| 3.                                           | Auxiliary consumption | %     | 13.27   | 13.81   | 13.16   | 13.84   | 16.31   |                                  |
| 4.                                           | Service hours         | Hrs   | 7847.25 | 7457.70 | 7708.1  | 8367.4  | 412.17  |                                  |
| 5.                                           | Planned maintenance   | } Hrs | 912.75  | 1302.30 | 1075.9  | 392.60  | 138.83  |                                  |
| 6.                                           | Forced outage         |       |         |         |         |         |         |                                  |
| 7.                                           | Reserve shutdown      |       |         |         |         |         |         |                                  |
| 8.                                           | Availability factor   | %     | 89.58   | 85.13   | 87.75   | 95.52   | 74.67   |                                  |
| 9.                                           | P L F                 | %     | 59.39   | 55.52   | 58.42   | 58.75   | 46.85   |                                  |
| 10.                                          | KWH / KW              |       | 5203    | 4863    | 7540    | 5147    | 247     |                                  |

(\*):Nellore Thermal Station 30MW deleted from 23.04.05

# 6.11 PERFORMANCE OF RAYALASEEMA THERMAL POWER STATION

| S.No. | Item                  | Unit                                    | 2003-04 | 2004-05 | 2005-06 | 2006-07 | 2007-08 | 2008-09 | 2009-10 | 2010-11 | 2011-12 | 2012-13 | 2013-14 | 2014-15 | 2015-16 |
|-------|-----------------------|-----------------------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 1.    | Units generated       | MU                                      | 3401.58 | 3353.78 | 2370.99 | 3293.67 | 4416.59 | 6741.61 | 6376.56 | 6255.32 | 8075.76 | 7692.6  | 7056.69 | 7163.53 | 7292.70 |
| 2.    | Auxiliary consumption | MU                                      | 331.64  | 314.62  | 240.69  | 321.37  | 435.34  | 618.32  | 599.42  | 609.56  | 754.08  | 734.11  | 708.37  | 743.14  | 760.08  |
| 3.    | Auxiliary consumption | %                                       | 9.75    | 9.38    | 10.15   | 9.76    | 9.84    | 9.17    | 9.4     | 9.61    | 9.34    | 9.54    | 10.04   | 10.37   | 10.42   |
| 4.    | Service hours         | Hrs                                     | 8179.51 | 8142.17 | 6137.55 | 8058.62 | 7827.61 | 8351.2  | 7862.45 | 7805.5  | 8288.3  | 7954.75 | 7633.72 | 7960.65 | 8270.37 |
| 5.    | Planned maintenance   | <div> <div></div> <div>Hrs</div> </div> | 604.49  | 617.83  | 2622.45 | 701.38  | 956.39  | 408.8   | 897.55  | 954.5   | 495.7   | 805.25  | 1126.28 | 673.35  | 485.56  |
| 6.    | Forced outage         |                                         |         |         |         |         |         |         |         |         |         |         |         |         |         |
| 7.    | Reserve shutdown      |                                         |         |         |         |         |         |         |         |         |         |         |         |         |         |
| 8.    | Availability factor   | %                                       | 93.12   | 92.95   | 70.06   | 91.99   | 89.11   | 95.33   | 89.75   | 89.10   | 94.36   | 90.81   | 87.14   | 92.31   | 94.15   |
| 9.    | P L F                 | %                                       | 92.20   | 91.16   | 64.44   | 89.52   | 82.94   | 91.62   | 86.66   | 81.64   | 87.56   | 83.63   | 76.72   | 77.88   | 79.07   |
| 10.   | KWH / KW              |                                         | 8099    | 7985    | 5645    | 7842    | 7010    | 8026    | 7591    | 8178    | 7691    | 7326    | 6721    | 6822    | 6945    |

| 6.12 PERFORMANCE OF THERMAL UNITS SINCE COMMISSIONING |            |           |           |               |              |               |              |               |              |               |              |                |              |
|-------------------------------------------------------|------------|-----------|-----------|---------------|--------------|---------------|--------------|---------------|--------------|---------------|--------------|----------------|--------------|
| (1965-66 TO 2014-15)                                  |            |           |           |               |              |               |              |               |              |               |              |                |              |
| Station/Unit                                          | Capa-      | 1965-66   |           | 1966-67       |              | 1967-68       |              | 1968-69       |              | 1969-70       |              | 1970 - 71      |              |
|                                                       | city       | Gen       | PLF       | Gen           | PLF          | Gen           | PLF          | Gen           | PLF          | Gen           | PLF          | Gen.           | PLF          |
|                                                       | MW         | MU        | %         | MU            | %            | MU            | %            | MU            | %            | MU            | %            | MU             | %            |
| <b>KTPS 'A'</b>                                       |            |           |           |               |              |               |              |               |              |               |              |                |              |
| Unit - I                                              | 60         | --        | --        | 194.65        | 40.25        | 284.70        | 54.17        | 260.31        | 49.52        | 226.46        | 43.08        | 272.58         | 49.95        |
| Unit - II                                             | 60         | --        | --        | 113.33        | 29.15        | 204.97        | 38.99        | 271.94        | 51.74        | 250.69        | 47.67        | 322.99         | 61.45        |
| Unit - III                                            | 60         | --        | --        | --            | --           | 200.15        | 45.72        | 235.08        | 44.73        | 230.33        | 43.82        | 279.57         | 53.22        |
| Unit - IV                                             | 60         | --        | --        | --            | --           | 182.24        | 46.20        | 224.06        | 42.63        | 216.26        | 41.14        | 290.40         | 55.25        |
| <b>Station</b>                                        | <b>240</b> | <b>--</b> | <b>--</b> | <b>307.98</b> | <b>35.35</b> | <b>872.06</b> | <b>34.72</b> | <b>991.39</b> | <b>47.15</b> | <b>923.74</b> | <b>43.93</b> | <b>1165.54</b> | <b>55.45</b> |
| RTS-B                                                 | 62.5       | --        | --        | --            | --           | --            | --           | --            | --           | --            | --           | --             | --           |
| NTS                                                   | 30         | 204.27    | 88.11     | 175.04        | 66.61        | 113.04        | 42.90        | 183.28        | 69.74        | 147.97        | 56.30        | 111.43         | 42.40        |

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**6.12 PERFORMANCE OF THERMAL UNITS SINCE COMMISSIONING**

| Station         | Capa-<br>city | 1971 - 72<br>Gen. | PLF   | 1972 - 73<br>Gen. | PLF   | 1973 - 74<br>Gen. | PLF   | 1974 - 75<br>Gen. | PLF   | 1975 - 76<br>Gen. | PLF   | 1976 - 77<br>Gen. | PLF   | 1977-78<br>Gen. | PLF       |
|-----------------|---------------|-------------------|-------|-------------------|-------|-------------------|-------|-------------------|-------|-------------------|-------|-------------------|-------|-----------------|-----------|
|                 | MW            | MU                | %     | MU                | %     | MU                | %     | MU                | %     | MU                | %     | MU                | %     | MU              | %         |
| <b>KTPS 'A'</b> |               |                   |       |                   |       |                   |       |                   |       |                   |       |                   |       |                 |           |
| Unit -I         | 60            | 383.92            | 72.84 | 357.27            | 67.97 | 436.91            | 83.12 | 425.11            | 80.88 | 314.11            | 59.60 | 367.10            | 69.80 | 348.1           | 66.20     |
| Unit -II        | 60            | 323.26            | 61.33 | 421.91            | 80.27 | 352.26            | 67.07 | 394.20            | 75.00 | 303.05            | 57.50 | 336.80            | 64.10 | 294.5           | 56.00     |
| Unit -III       | 60            | 354.84            | 67.67 | 382.17            | 72.71 | 319.85            | 60.85 | 387.76            | 73.77 | 291.60            | 55.30 | 312.50            | 59.40 | 341.4           | 64.90     |
| Unit -IV        | 60            | 348.97            | 66.21 | 331.58            | 63.08 | 351.50            | 66.88 | 398.53            | 75.82 | 307.84            | 58.40 | 361.10            | 68.70 | 270.9           | 51.50     |
| Station         | 240           | 1410.99           | 66.93 | 1492.93           | 71.01 | 1460.52           | 69.47 | 1605.60           | 76.37 | 1216.60           | 57.70 | 1377.50           | 65.34 | 1254.9          | 59.7      |
| <b>KTPS 'B'</b> |               |                   |       |                   |       |                   |       |                   |       |                   |       |                   |       |                 |           |
| Unit -V         | 110           | --                | --    | --                | --    | --                | --    | 152.97            | 27.33 | 474.20            | 49.10 | 437.10            | 45.40 | 175.4           | 18.20     |
| Unit -VI        | 110           | --                | --    | --                | --    | --                | --    | 74.04             | 31.16 | 388.90            | 40.20 | 447.10            | 46.40 | 337.9           | 37.10     |
| Station         | 220           | --                | --    | --                | --    | --                | --    | 227.01            | 28.47 | 863.10            | 44.70 | 884.20            | 45.90 | 513.3           | 27.70     |
| <b>KTPS 'C'</b> |               |                   |       |                   |       |                   |       |                   |       |                   |       |                   |       |                 |           |
| Unit -V         | 110           | --                | --    | --                | --    | --                | --    | --                | --    | --                | --    | --                | --    | 449.7           | 45.7      |
| Unit -VI        | 110           | --                | --    | --                | --    | --                | --    | --                | --    | --                | --    | --                | --    | 38.6            | 18.30     |
| Station         | 220           | --                | --    | --                | --    | --                | --    | --                | --    | --                | --    | --                | --    | 488.3           | 45.70     |
| RTS 'B'         | 62.5          | 28.92             | 10.53 | 168.71            | 30.81 | 399.54            | 72.97 | 468.63            | 85.59 | 283.40            | 51.60 | 496.50            | 90.70 | 508.4           | 92.80     |
| NTS             | 30            | 208.69            | 79.19 | 232.88            | 88.61 | 196.75            | 74.87 | 241.88            | 92.04 | 160.00            | 60.70 | 194.00            | 73.80 | 183             | 69.6      |
|                 |               |                   |       |                   |       |                   |       |                   |       |                   |       |                   |       |                 | Contd ... |

| 6.12 PERFORMANCE OF THERMAL UNITS SINCE COMMISSIONING |                     |           |          |           |          |           |          |           |          |           |          |           |          |           |          |
|-------------------------------------------------------|---------------------|-----------|----------|-----------|----------|-----------|----------|-----------|----------|-----------|----------|-----------|----------|-----------|----------|
| Station/<br>Unit                                      | Capa-<br>city<br>MW | 1978-79   |          | 1979-80   |          | 1980-81   |          | 1981-82   |          | 1982 - 83 |          | 1983 - 84 |          | 1984 - 85 |          |
|                                                       |                     | Gen<br>MU | PLF<br>% | Gen<br>MU | PLF<br>% | Gen<br>MU | PLF<br>% | Gen<br>MU | PLF<br>% | Gen<br>MU | PLF<br>% | Gen<br>MU | PLF<br>% | Gen<br>MU | PLF<br>% |
| V.T.P.S.                                              |                     |           |          |           |          |           |          |           |          |           |          |           |          |           |          |
| Unit -I                                               | 210                 | --        | --       | 194.80    | 25.60    | 832.80    | 46.00    | 1330.80   | 72.30    | 1618.30   | 87.90    | 1530.80   | 83.00    | 1216.50   | 66.10    |
| Unit -II                                              | 210                 | --        | --       | --        | --       | 298.90    | 34.30    | 1361.00   | 74.00    | 1293.40   | 70.30    | 1575.20   | 85.40    | 1630.70   | 88.60    |
| Unit -III                                             | --                  | --        | --       | --        | --       | --        | --       | --        | --       | --        | --       | --        | --       | --        | --       |
| Station                                               | 420                 | --        | --       | 194.80    | 25.60    | 1131.70   | 40.10    | 2691.80   | 73.20    | 2911.70   | 79.10    | 3106.00   | 84.20    | 2847.20   | 77.40    |
| KTPS A                                                |                     |           |          |           |          |           |          |           |          |           |          |           |          |           |          |
| Unit - I                                              | 60                  | 244.40    | 46.50    | 305.30    | 57.90    | 234.40    | 44.60    | 154.10    | 29.30    | 215.20    | 40.90    | 260.40    | 49.40    | 368.70    | 70.10    |
| Unit - II                                             | 60                  | 284.00    | 54.00    | 253.90    | 48.20    | 146.80    | 27.90    | 291.10    | 55.40    | 250.00    | 47.60    | 369.70    | 70.10    | 304.60    | 57.90    |
| Unit - III                                            | 60                  | 267.20    | 50.80    | 310.30    | 58.90    | 307.80    | 58.50    | 255.90    | 48.70    | 292.80    | 55.70    | 300.90    | 57.10    | 186.70    | 35.50    |
| Unit - IV                                             | 60                  | 157.10    | 29.90    | 157.90    | 29.90    | 333.90    | 63.50    | 280.20    | 53.30    | 290.40    | 55.20    | 294.40    | 55.80    | 377.40    | 71.80    |
| Station                                               | 240                 | 952.70    | 45.20    | 1027.40   | 48.70    | 1022.90   | 48.70    | 981.30    | 46.70    | 1048.40   | 49.90    | 1225.40   | 58.10    | 1237.40   | 58.80    |
| KTPS B                                                |                     |           |          |           |          |           |          |           |          |           |          |           |          |           |          |
| Unit - V                                              | 110                 | 407.40    | 42.30    | 261.40    | 27.00    | 104.90    | 10.90    | 404.60    | 42.00    | 145.10    | 15.00    | 247.40    | 25.60    | 242.80    | 25.00    |
| Unit - VI                                             | 110                 | 23.70     | 2.50     | 239.60    | 24.80    | 307.60    | 31.90    | 97.80     | 10.10    | 374.10    | 38.80    | 221.40    | 22.90    | 374.50    | 38.80    |
| Station                                               | 220                 | 431.10    | 22.40    | 501.00    | 25.90    | 412.50    | 21.40    | 502.40    | 26.05    | 519.20    | 26.90    | 468.80    | 24.30    | 617.30    | 32.00    |
| KTPS C                                                |                     |           |          |           |          |           |          |           |          |           |          |           |          |           |          |
| Unit - VII                                            | 110                 | 400.30    | 41.50    | 444.40    | 46.00    | 107.60    | 11.20    | --        | --       | 310.50    | 32.20    | 286.70    | 29.70    | 393.30    | 40.80    |
| Unit - VIII                                           | 110                 | 348.40    | 36.20    | 490.90    | 50.80    | 440.60    | 45.70    | 513.70    | 53.30    | 211.90    | 22.00    | 262.40    | 27.20    | 342.00    | 35.50    |
| Station                                               | 220                 | 748.70    | 38.90    | 935.30    | 48.40    | 548.20    | 28.40    | 513.70    | 26.70    | 522.40    | 27.10    | 549.10    | 28.40    | 735.30    | 38.10    |
| KTPS TOTAL                                            | 680                 | 2132.50   | 35.80    | 2463.70   | 41.20    | 1983.60   | 33.30    | 1997.40   | 33.50    | 2090.00   | 35.10    | 2243.30   | 37.50    | 2590.00   | 43.50    |
|                                                       |                     |           |          |           |          |           |          |           |          |           |          |           |          |           |          |
| RTS-B                                                 | 62.5                | 458.50    | 83.70    | 407.80    | 74.50    | 366.80    | 67.00    | 333.60    | 60.90    | 424.10    | 77.50    | 399.40    | 72.70    | 274.50    | 50.10    |
| NTS                                                   | 30                  | 181.00    | 68.90    | 76.00     | 28.80    | 21.00     | 8.00     | --        | --       | 76.20     | 28.90    | 145.80    | 55.40    | 117.40    | 44.50    |
| TOTAL                                                 | 1193                | 2772.00   | 40.90    | 3142.30   | 43.40    | 3503.10   | 37.20    | 5022.80   | 48.10    | 5502.00   | 52.70    | 5894.50   | 56.30    | 5829.10   | 55.80    |
| All India                                             |                     |           |          |           |          |           |          |           |          |           |          |           |          |           |          |
| PLF (Thermal)                                         |                     |           | 47.90    |           | 44.30    |           | 44.20    |           | 46.40    |           | 49.40    |           | 47.90    |           | 50.10    |
| 200/210 MW units                                      |                     |           |          |           | 24.70    |           | 36.90    |           | 42.30    |           | 52.10    |           | 49.00    |           | 50.80    |

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# 6.12 PERFORMANCE OF THERMAL UNITS SINCE COMMISSIONING

| Station     | Capa-  | 1985 - 86 |       | 1986 - 87 |       | 1987 - 88 |       | 1988 - 89 |       | 1989 - 90 |       | 1990 - 91 |       | 1991 - 92 |       |
|-------------|--------|-----------|-------|-----------|-------|-----------|-------|-----------|-------|-----------|-------|-----------|-------|-----------|-------|
|             | City   | Gen       | PLF   | Gen       | PLF   | Gen       | PLF   | Gen       | PLF   | Gen       | PLF   | Gen       | PLF   | Gen       | PLF   |
|             | MW     | MU        | %     | MU        | %     | MU        | %     | MU        | %     | MU        | %     | MU        | %     | MU        | %     |
| VTPS        |        |           |       |           |       |           |       |           |       |           |       |           |       |           |       |
| Unit - I    | 210    | 1662.79   | 90.39 | 1684.79   | 91.58 | 1690.44   | 91.64 | 1432.80   | 77.91 | 1643.70   | 89.40 | 1513.13   | 82.25 | 1443.51   | 78.25 |
| Unit - II   | 210    | 1607.02   | 87.36 | 1640.85   | 89.20 | 1721.25   | 93.31 | 1670.20   | 90.80 | 1318.00   | 71.70 | 1530.39   | 83.19 | 1321.89   | 71.66 |
| Unit - III  | 210    | --        | --    | --        | --    | --        | --    | --        | --    | 413.70    | 72.00 | 1584.00   | 86.11 | 1174.86   | 63.69 |
| Unit - IV   | 210    | --        | --    | --        | --    | --        | --    | --        | --    | --        | --    | 71.03     | --    | 1374.25   | 74.50 |
| STATION     | 840    | 3269.81   | 88.87 | 3325.64   | 90.39 | 3411.69   | 92.48 | 3103.00   | 84.30 | 3375.40   | 79.40 | 4698.55   | 83.85 | 5314.51   | 72.03 |
| KTPS 'A'    |        |           |       |           |       |           |       |           |       |           |       |           |       |           |       |
| Unit - I    | 60     | 382.86    | 72.84 | 333.85    | 63.52 | 394.21    | 74.80 | 204.20    | 38.80 | 433.00    | 82.40 | 305.44    | 58.11 | 139.91    | 26.55 |
| Unit - II   | 60     | 345.46    | 65.73 | 137.23    | 26.11 | 460.44    | 87.36 | 422.10    | 80.00 | 392.80    | 74.70 | 288.14    | 54.82 | 380.39    | 72.17 |
| Unit - III  | 60     | 387.28    | 73.68 | 354.55    | 67.46 | 196.60    | 37.31 | 287.70    | 54.70 | 391.40    | 74.50 | 172.98    | 32.91 | 291.87    | 55.38 |
| Unit - IV   | 60     | 19.29     | 3.67  | 418.91    | 75.70 | 392.38    | 74.45 | 401.90    | 76.50 | 169.70    | 32.30 | 329.03    | 62.60 | 296.01    | 56.16 |
| STATION     | 240    | 1134.89   | 53.98 | 1244.54   | 59.20 | 1443.63   | 68.48 | 1315.90   | 62.60 | 1386.90   | 66.00 | 1095.59   | 52.11 | 1108.18   | 52.17 |
| KTPS 'B'    |        |           |       |           |       |           |       |           |       |           |       |           |       |           |       |
| Unit - V    | 110    | 415.32    | 43.10 | 424.79    | 44.08 | 600.30    | 62.13 | 618.40    | 64.20 | 464.00    | 48.70 | 414.27    | 45.04 | 544.40    | 58.92 |
| Unit - VI   | 110    | 279.34    | 28.99 | 433.54    | 44.98 | 612.59    | 63.40 | 583.40    | 60.60 | 559.40    | 58.70 | 502.84    | 54.67 | 505.04    | 54.87 |
| STATION     | 220    | 694.66    | 36.04 | 858.33    | 44.53 | 1212.89   | 62.76 | 1201.80   | 56.40 | 1023.40   | 53.70 | 917.11    | 49.85 | 1049.44   | 56.89 |
| KTPS 'C'    |        |           |       |           |       |           |       |           |       |           |       |           |       |           |       |
| Unit - VII  | 110    | 520.99    | 54.07 | 615.78    | 63.90 | 641.27    | 66.37 | 455.80    | 47.30 | 653.40    | 67.80 | 490.37    | 50.87 | 418.59    | 43.32 |
| Unit - VIII | 110    | 539.24    | 55.96 | 634.66    | 65.87 | 711.99    | 73.69 | 632.00    | 65.60 | 390.00    | 40.50 | 438.32    | 45.49 | 405.19    | 41.93 |
| STATION     | 220    | 1060.23   | 55.01 | 1250.44   | 64.88 | 1353.26   | 70.03 | 1087.80   | 56.40 | 1043.40   | 54.10 | 928.69    | 48.19 | 823.78    | 42.63 |
| KTPS        |        | 1060.23   |       |           |       |           |       |           |       |           |       |           |       |           |       |
| TOTAL       | 680    | 2889.78   | 48.51 | 3353.31   | 56.29 | 4009.78   | 67.13 | 3605.50   | 60.50 | 3453.70   | 58.20 | 2941.39   | 50.12 | 2981.40   | 50.66 |
| RTS B       | 62.5   | 493.07    | 90.06 | 435.83    | 79.60 | 390.80    | 71.18 | 389.80    | 71.00 | 250.90    | 45.80 | 399.80    | 73.02 | 309.53    | 56.38 |
| NTS         | 30     | 119.17    | 45.34 | 167.17    | 63.60 | 173.28    | 65.76 | 165.10    | 62.80 | 141.80    | 54.00 | 61.88     | 23.55 | 120.73    | 45.82 |
| TOTAL       |        |           |       |           |       |           |       |           |       |           |       |           |       |           |       |
| THERMAL     | 1612.5 | 6771.83   | 64.82 | 7281.95   | 69.71 | 7985.55   | 76.23 | 7263.40   | 69.50 | 7221.80   | 65.70 | 8101.62   | 65.83 | 8726.17   | 61.99 |
| ALL INDIA   |        |           | 52.40 |           | 53.29 |           | 56.40 |           | 55.00 |           | 56.40 |           | 53.80 |           | 55.30 |
| 200 / 210   |        |           | 59.60 |           | 59.60 |           | 63.80 |           | 50.70 |           | 61.70 |           | 60.30 |           | 60.90 |
| MW Unit     |        |           |       |           |       |           |       |           |       |           |       |           |       |           |       |

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### 6.12 PERFORMANCE OF THERMAL UNITS SINCE COMMISSIONING

| Station               | Capa-<br>city<br>(MW) | 1992 - 93 |          | 1993 - 94 |          | 1994 - 95 |          | 1995 - 96 |          |
|-----------------------|-----------------------|-----------|----------|-----------|----------|-----------|----------|-----------|----------|
|                       |                       | Gen<br>MU | PLF<br>% | Gen<br>MU | PLF<br>% | Gen<br>MU | PLF<br>% | Gen<br>MU | PLF<br>% |
| VTPS                  |                       |           |          |           |          |           |          |           |          |
| Unit-I                | 210                   | 1275.58   | 69.34    | 1420.58   | 77.22    | 1592.26   | 86.55    | 1621.13   | 87.88    |
| Unit-II               | 210                   | 1386.21   | 75.35    | 1499.55   | 81.52    | 1575.13   | 85.62    | 1623.61   | 88.02    |
| Unit-III              | 210                   | 1444.93   | 78.55    | 1587.90   | 86.32    | 1488.50   | 80.91    | 1693.74   | 91.82    |
| Unit-IV               | 210                   | 1551.93   | 84.36    | 1401.36   | 76.18    | 1579.11   | 85.84    | 1712.18   | 92.82    |
| Unit-V                | 210                   | --        | --       | --        | --       | 1047.58   | 81.48    | 1738.04   | 94.22    |
| Unit-VI               | 210                   | --        | --       | --        | --       | 35.50     | --       | 1469.05   | 98.20    |
| STATION               | 1260                  | 5658.65   | 76.90    | 5909.39   | 80.31    | 7318.08   | 84.37    | 9857.75   | 91.71    |
| KTPS-A                |                       |           |          |           |          |           |          |           |          |
| Unit-I                | 60                    | 347.26    | 66.07    | 354.56    | 67.46    | 319.80    | 60.84    | 299.16    | 56.76    |
| Unit-II               | 60                    | 307.29    | 58.46    | 334.22    | 63.59    | 286.16    | 54.44    | 319.51    | 60.62    |
| Unit-III              | 60                    | 317.46    | 60.40    | 320.17    | 60.92    | 305.52    | 58.13    | 294.67    | 55.91    |
| Unit-IV               | 60                    | 282.81    | 53.81    | 318.08    | 60.54    | 295.93    | 56.30    | 304.99    | 57.87    |
| STATION               | 240                   | 1254.82   | 59.69    | 1327.03   | 63.12    | 1207.41   | 57.43    | 1218.33   | 57.79    |
| KTPS-B                |                       |           |          |           |          |           |          |           |          |
| Unit-V                | 110                   | 505.29    | 54.93    | 470.19    | 51.12    | 493.39    | 53.64    | 558.94    | 60.60    |
| Unit-VI               | 110                   | 407.98    | 44.36    | 604.70    | 65.74    | 581.72    | 63.24    | 559.04    | 60.61    |
| STATION               | 220                   | 913.27    | 49.64    | 1074.89   | 58.43    | 1075.11   | 58.44    | 1117.98   | 60.61    |
| KTPS-C                |                       |           |          |           |          |           |          |           |          |
| Unit-VII              | 110                   | 464.24    | 48.18    | 457.47    | 47.48    | 399.81    | 41.49    | 582.37    | 60.27    |
| Unit-VIII             | 110                   | 499.94    | 51.88    | 400.03    | 41.51    | 375.06    | 38.92    | 495.20    | 51.25    |
| STATION               | 220                   | 964.18    | 50.33    | 857.50    | 44.49    | 774.87    | 40.01    | 1077.57   | 55.76    |
| KTPS TOTAL            | 680                   | 3132.27   | 53.37    | 3259.42   | 55.53    | 3057.39   | 52.09    | 3413.88   | 58.01    |
| KTPS-V                |                       |           |          |           |          |           |          |           |          |
| Unit-IX(Stab.)        | 250                   | -         | -        | -         | -        | -         | -        | -         | -        |
| Comml. from 1.10.97   |                       | -         | -        | -         | -        | -         | -        | -         | -        |
| Unit-X                | 250                   | -         | -        | -         | -        | -         | -        | -         | -        |
| TOTAL                 | 500                   | -         | -        | -         | -        | -         | -        | -         | -        |
| RTPP-U-I              | 210                   | -         | -        | -         | -        | -         | -        | 348.14    | -        |
| RTPP-U-II             | 210                   | -         | -        | -         | -        | -         | -        | 979.37    | 70.85    |
| STATION               | 420                   | -         | -        | -         | -        | -         | -        |           |          |
| RTS-B                 | 62.5                  | 220.60    | 40.29    | 360.62    | 65.87    | 353.62    | 64.59    | 374.38    | 68.19    |
| NTS                   | 30                    | 102.66    | 39.07    | 109.99    | 41.85    | 91.11     | 34.67    | 129.34    | 49.08    |
| TOTAL }<br>THERMAL }  | 2452.5                | 9114.18   | 64.93    | 9639.42   | 68.67    | 10820.20  | 70.11    | 13775.35  | 78.16    |
| ALL INDIA             |                       |           | 57.10    |           | 61.00    |           | 60.00    |           | 63.00    |
| 200 / 210<br>MW Units | (Contd.,)             |           |          |           |          |           |          |           |          |

| 6.12 PERFORMANCE OF THERMAL UNITS SINCE COMMISSIONING |                |           |          |           |          |           |          |           |          |           |          |           |          |           |          |           |          |           |          |           |          |           |          |           |          |           |          |
|-------------------------------------------------------|----------------|-----------|----------|-----------|----------|-----------|----------|-----------|----------|-----------|----------|-----------|----------|-----------|----------|-----------|----------|-----------|----------|-----------|----------|-----------|----------|-----------|----------|-----------|----------|
| Station                                               | Capacity<br>MW | 2002-03   |          | 2003-04   |          | 2004-05   |          | 2005-06   |          | 2006-07   |          | 2007-08   |          | 2008-09   |          | 2009-10   |          | 2010-11   |          | 2011-12   |          | 2012-13   |          | 2013-14   |          | 2014-15   |          |
|                                                       |                | Gen<br>MU | PLF<br>% | Gen<br>MU | PLF<br>% | Gen<br>MU | PLF<br>% | Gen<br>MU | PLF<br>% | Gen<br>MU | PLF<br>% | Gen<br>MU | PLF<br>% | Gen<br>MU | PLF<br>% | Gen<br>MU | PLF<br>% | Gen<br>MU | PLF<br>% | Gen<br>MU | PLF<br>% | Gen<br>MU | PLF<br>% | Gen<br>MU | PLF<br>% | Gen<br>MU | PLF<br>% |
| VTPS                                                  |                |           |          |           |          |           |          |           |          |           |          |           |          |           |          |           |          |           |          |           |          |           |          |           |          |           |          |
| Unit-I                                                | 210            | 1669      | 91       | 1583      | 86       | 1309      | 71       | 1569      | 85       | 1694      | 92       | 1650      | 89       | 1616      | 88       | 1707      | 93       | 1559      | 85       | 1641      | 89       | 1355      | 74       | 1178      | 64       | 1489      | 80.96    |
| Unit-II                                               | 210            | 1613      | 88       | 1621      | 88       | 1631      | 89       | 1545      | 84       | 1515      | 82       | 1280      | 69       | 1639      | 89       | 1756      | 95       | 1624      | 88       | 1645      | 89       | 1610      | 88       | 1568      | 85       | 1489      | 80.92    |
| Unit-III                                              | 210            | 1733      | 94       | 1742      | 94       | 1728      | 94       | 1749      | 95       | 1518      | 83       | 1725      | 94       | 1805      | 98       | 1726      | 94       | 1761      | 96       | 1715      | 93       | 1754      | 95       | 1584      | 86       | 1542      | 83.83    |
| Unit-IV                                               | 210            | 1759      | 96       | 1706      | 93       | 1708      | 93       | 1622      | 88       | 1770      | 96       | 1674      | 91       | 1817      | 99       | 1353      | 74       | 1589      | 86       | 1722      | 93       | 1674      | 91       | 1582      | 86       | 1523      | 82.77    |
| Unit-V                                                | 210            | 1760      | 96       | 1757      | 95       | 1736      | 94       | 1661      | 90       | 1756      | 95       | 1704      | 92       | 1654      | 90       | 1818      | 99       | 1702      | 93       | 1569      | 85       | 1722      | 94       | 1578      | 86       | 1539      | 83.67    |
| Unit-VI                                               | 210            | 1750      | 95       | 1756      | 95       | 1739      | 95       | 1609      | 87       | 1701      | 92       | 1732      | 94       | 1810      | 98       | 1346      | 73       | 423       | 23       | 1746      | 95       | 1552      | 84       | 1562      | 85       | 1504      | 81.76    |
| Unit-VII                                              | 500            |           |          |           |          |           |          |           |          |           |          |           |          |           |          | 1021      | 86       | 3751      | 86       | 4121      | 94       | 3744      | 85       | 3781      | 86       | 3619      | 82.62    |
| STATION                                               | 1760           | 10284     | 93       | 10164     | 92       | 9851      | 89       | 9755      | 88       | 9954      | 90       | 9765      | 88       | 10341     | 94       | 9707      | 88       | 8658      | 80       | 14159     | 92       | 13411     | 92       | 12833     | 83       | 12705     | 82.40    |
| KTPS-A                                                |                |           |          |           |          |           |          |           |          |           |          |           |          |           |          |           |          |           |          |           |          |           |          |           |          |           |          |
| Unit-I                                                | 60             | 462       | 88       | 444       | 84       | 417       | 79       | 410       | 78       | 441       | 84       | 434       | 82       | 401       | 76       | 371       | 71       | 466       | 89       | 448       | 85       | 406       | 77       | 398       | 76       |           |          |
| Unit-II                                               | 60             | 431       | 82       | 413       | 78       | 446       | 85       | 347       | 66       | 467       | 89       | 444       | 84       | 408       | 78       | 457       | 87       | 393       | 75       | 450       | 85       | 406       | 77       | 393       | 75       |           |          |
| Unit-III                                              | 60             | 472       | 90       | 436       | 83       | 472       | 90       | 399       | 76       | 385       | 73       | 441       | 84       | 393       | 75       | 442       | 84       | 438       | 83       | 445       | 85       | 417       | 79       | 374       | 71       |           |          |
| Unit-IV                                               | 60             | 479       | 91       | 434       | 82       | 472       | 90       | 425       | 81       | 395       | 75       | 412       | 78       | 397       | 75       | 464       | 88       | 429       | 82       | 416       | 79       | 407       | 78       | 383       | 73       |           |          |
| STATION                                               | 240            | 1844      | 88       | 1728      | 82       | 1807      | 86       | 1581      | 75       | 1687      | 80       | 1730      | 82       | 1599      | 76       | 1734      | 82       | 1727      | 82       | 1759      | 83       | 1637      | 78       | 1549      | 74       |           |          |
| KTPS-B                                                |                |           |          |           |          |           |          |           |          |           |          |           |          |           |          |           |          |           |          |           |          |           |          |           |          |           |          |
| Unit-V                                                | 120            | 907       | 86       | 929       | 88       | 894       | 85       | 850       | 81       | 800       | 76       | 775       | 73       | 663       | 63       | 924       | 88       | 848       | 81       | 841       | 80       | 759       | 72       | 757       | 72       |           |          |
| Unit-VI                                               | 120            | 555       | 60       | 938       | 89       | 911       | 87       | 762       | 72       | 821       | 78       | 782       | 74       | 747       | 71       | 771       | 73       | 834       | 79       | 825       | 78       | 719       | 68       | 761       | 72       |           |          |
| STATION                                               | 240            | 1462      | 74       | 1867      | 89       | 1806      | 86       | 1612      | 77       | 1621      | 77       | 1557      | 74       | 1410      | 67       | 1695      | 81       | 1682      | 80       | 1666      | 79       | 1478      | 70       | 1518      | 72       |           |          |
| KTPS-C                                                |                |           |          |           |          |           |          |           |          |           |          |           |          |           |          |           |          |           |          |           |          |           |          |           |          |           |          |
| Unit-VII                                              | 120            | 684       | 71       | 347       | 36       | 839       | 87       | 762       | 73       | 765       | 73       | 900       | 85       | 756       | 72       | 730       | 69       | 848       | 81       | 818       | 78       | 797       | 76       | 710       | 67.57    |           |          |
| Unit-VIII                                             | 120            | 655       | 68       | 283       | 29       | 913       | 95       | 777       | 74       | 713       | 68       | 843       | 80       | 697       | 66       | 754       | 72       | 799       | 76       | 756       | 72       | 695       | 66       | 509       | 48.41    |           |          |
| STATION                                               | 240            | 1339      | 69       | 631       | 33       | 1752      | 91       | 1539      | 73       | 1479      | 70       | 1743      | 83       | 1453      | 69       | 1485      | 71       | 1647      | 78       | 1573      | 75       | 1492      | 71       | 1219      | 57.99    |           |          |
| KTPS TOTAL                                            | 720            | 4645      | 77       | 4226      | 69       | 5364      | 87       | 4732      | 75       | 4787      | 76       | 5030      | 80       | 4462      | 71       | 4913      | 78       | 5057      | 80       | 4998      | 79       | 4607      | 73       | 4286      | 67.95    |           |          |
| KTPS-V                                                |                |           |          |           |          |           |          |           |          |           |          |           |          |           |          |           |          |           |          |           |          |           |          |           |          |           |          |
| Unit-IX(Stab.)                                        |                |           |          |           |          |           |          |           |          |           |          |           |          |           |          |           |          |           |          |           |          |           |          |           |          |           |          |
| Comm. from 1.10.97                                    | 250            | 2035      | 93       | 2040      | 93       | 2100      | 96       | 1886      | 86       | 2057      | 94       | 1994      | 91       | 1960      | 90       | 1930      | 88       | 2079      | 95       | 1510      | 69       | 1827      | 83       | 1791      | 81.78    |           |          |
| Unit-X                                                | 250            | 2046      | 93       | 1999      | 91       | 2040      | 93       | 1596      | 73       | 1624      | 74       | 1977      | 90       | 1706      | 78       | 2105      | 96       | 1339      | 61       | 2033      | 93       | 1895      | 87       | 1829      | 83.5     |           |          |
| TOTAL                                                 | 500            | 4081      | 93       | 4038      | 92       | 4140      | 95       | 3482      | 80       | 3681      | 84       | 3970      | 90       | 3666      | 84       | 4036      | 92       | 3418      | 78       | 3544      | 81       | 3722      | 85       | 3620      | 82.64    |           |          |
| KTPS-VI                                               |                |           |          |           |          |           |          |           |          |           |          |           |          |           |          |           |          |           |          |           |          |           |          |           |          |           |          |
| Unit -XI from 26-6-2011                               | 500            |           |          |           |          |           |          |           |          |           |          |           |          |           |          |           |          |           |          | 2301      | 91       | 4077      | 93       | 3399      | 77.59    |           |          |
| RTPP                                                  |                |           |          |           |          |           |          |           |          |           |          |           |          |           |          |           |          |           |          |           |          |           |          |           |          |           |          |
| RTPP-Unit-I                                           | 210            | 1745      | 95       | 1762      | 93       | 1639      | 89       | 1094      | 59       | 1638      | 89       | 1494      | 81       | 1679      | 91       | 1613      | 88       | 1579      | 86       | 1628      | 88       | 1575      | 86       | 1217      | 66.17    | 1411      | 76.67    |
| RTPP-Unit-II                                          | 210            | 1744      | 95       | 1999      | 91       | 1715      | 93       | 1277      | 69       | 1655      | 90       | 1653      | 90       | 1678      | 91       | 1657      | 90       | 1355      | 74       | 1626      | 88       | 1344      | 73       | 1407      | 76.48    | 1349      | 73.32    |
| RTPP-Unit-III                                         | 210            |           |          |           |          |           |          |           |          | 20        |          | 1058      | 85       | 1719      | 93       | 1608      | 87       | 1533      | 83       | 1646      | 89       | 1645      | 89       | 1488      | 80.89    | 1511      | 82.16    |
| RTPP-Unit-IV                                          | 210            |           |          |           |          |           |          |           |          |           |          | 212       | 76       | 1665      | 91       | 1498      | 81       | 1583      | 86       | 1669      | 90       | 1636      | 89       | 1522      | 82.71    | 1473      | 80.10    |
| RTPP-Unit-V                                           | 210            |           |          |           |          |           |          |           |          |           |          |           |          |           |          |           |          | 205       | 64       | 1507      | 82       | 1493      | 81       | 1423      | 77.34    | 1419      | 77.16    |
| STATION                                               | 1050           | 3489      | 95       | 4038      | 92       | 3354      | 91       | 2371      | 64       | 3314      | 90       | 4417      | 83       | 6742      | 92       | 6377      | 87       | 6255      | 82       | 8076      | 88       | 7693      | 84       | 7057      | 76.72    | 7164      | 77.88    |
| RTS-B                                                 | 63             | 389       | 71       | 471       | 86       | 496       | 91       | 397       | 73       | 331       | 60       | 503       | 92       | 467       | 85       | 512       | 94       | 470       | 86       | 453       | 82       | 436       | 80       | 446       | 81.42    |           |          |
| Kakatiya-I                                            | 500            |           |          |           |          |           |          |           |          |           |          |           |          |           |          |           |          | 1839      | 65       | 2441      | 56       | 3989      | 91       | 3155      | 72.03    |           |          |
| TOTAL THERMAL(*)                                      | 4593           | 23033     | 89       | 22455     | 86       | 23360     | 90       | 20745     | 80       | 22067     | 85       | 23686     | 86       | 25678     | 87       | 25544     | 86       | 25696     | 79       | 32893     | 84       | 37934     | 85       | 34795     | 78       | 34795     | 78       |

| 6.12 PERFORMANCE OF THERMAL UNITS SINCE COMMISSIONING |                |           |          |  |  |
|-------------------------------------------------------|----------------|-----------|----------|--|--|
| Station                                               | Capacity<br>MW | 2015-16   |          |  |  |
|                                                       |                | Gen<br>MU | PLF<br>% |  |  |
| NTPPS                                                 |                |           |          |  |  |
| Unit-I                                                | 210            | 1446.67   | 78.43    |  |  |
| Unit-II                                               | 210            | 1464.57   | 79.40    |  |  |
| Unit-III                                              | 210            | 1562.19   | 84.69    |  |  |
| Unit-IV                                               | 210            | 1616.36   | 87.62    |  |  |
| Unit-V                                                | 210            | 1465.27   | 79.43    |  |  |
| Unit-VI                                               | 210            | 1503.64   | 81.51    |  |  |
| Unit-VII                                              | 500            | 3007.53   | 68.48    |  |  |
| STATION                                               | 1760           | 12066.23  | 78.05    |  |  |
| RTPP                                                  |                |           |          |  |  |
| RTPP-Unit-I                                           | 210            | 1489.08   | 80.72    |  |  |
| RTPP-Unit-II                                          | 210            | 1421.43   | 77.06    |  |  |
| RTPP-Unit-III                                         | 210            | 1471.56   | 79.78    |  |  |
| RTPP-Unit-IV                                          | 210            | 1483.34   | 80.41    |  |  |
| RTPP-Unit-V                                           | 210            | 1427.29   | 77.37    |  |  |
| STATION                                               | 1050           | 7292.70   | 79.07    |  |  |
| TOTAL THERMAL                                         | 2810           | 19358.93  | 78.43    |  |  |

### 6.13 THERMAL POWER STATION-FUEL PARTICULARS

| Year      | Station | Generation | Coal                           | Coal                            | Coal                               | Oil                   | Consumption/KWH |          | C.V. of         | Heat rate |
|-----------|---------|------------|--------------------------------|---------------------------------|------------------------------------|-----------------------|-----------------|----------|-----------------|-----------|
|           |         | (MU)       | Linkage<br>(Million<br>Tonnes) | received<br>(Million<br>Tonnes) | Consumption<br>(Million<br>Tonnes) | Consump-<br>tion (KL) | Coal(KG)        | Oil (ml) | Coal<br>KCal/Kg | KCal/Kwh  |
| 1982-83   | VTPS    | 2912       | 2.23                           | 1.71                            | 1.77                               | 8606                  | 0.61            | 2.95     |                 |           |
|           | KTPS    | 2090       | 2.49                           | 1.76                            | 1.83                               | 69079                 | 0.87            | 33.05    |                 |           |
|           | RTS 'B' | 424        | 0.31                           | 0.25                            | 0.27                               | 2068                  | 0.64            | 4.88     |                 |           |
|           | NTS     | 76         | 0.08                           | 0.05                            | 0.06                               | 1485                  | 0.76            | 19.49    |                 |           |
| 1983-84   | VTPS    | 3106       | 2.50                           | 1.98                            | 1.94                               | 6922                  | 0.63            | 2.93     |                 |           |
|           | KTPS    | 2243       | 2.71                           | 1.92                            | 2.03                               | 39741                 | 0.90            | 17.71    |                 |           |
|           | RTS 'B' | 399        | 0.36                           | 0.26                            | 0.26                               | 1061                  | 0.64            | 2.67     |                 |           |
|           | NTS     | 146        | 0.24                           | 0.11                            | 0.11                               | 1518                  | 0.79            | 10.41    |                 |           |
| 1984-85   | VTPS    | 2847       | 2.37                           | 1.85                            | 1.77                               | 3241                  | 0.62            | 1.14     |                 |           |
|           | KTPS    | 2590       | 2.82                           | 2.29                            | 2.37                               | 15316                 | 0.91            | 5.91     |                 |           |
|           | RTS 'B' | 274        | 0.42                           | 0.18                            | 0.18                               | 833                   | 0.66            | 3.03     |                 |           |
|           | NTS     | 117        | 0.24                           | 0.09                            | 0.10                               | 979                   | 0.81            | 8.34     |                 |           |
| 1985-86   | VTPS    | 3270       | 2.40                           | 1.98                            | 1.95                               | 3020                  | 0.60            | 0.92     |                 |           |
|           | KTPS    | 2890       | 3.00                           | 2.47                            | 2.53                               | 18357                 | 0.86            | 6.35     |                 |           |
|           | RTS 'B' | 493        | 0.41                           | 0.34                            | 0.33                               | 686                   | 0.66            | 1.39     |                 |           |
|           | NTS     | 119        | 0.24                           | 0.09                            | 0.10                               | 0                     | 0.82            | 7.38     |                 |           |
| 1986-87   | VTPS    | 3326       | 2.37                           | 2.10                            | 2.16                               | 4684                  | 0.65            | 1.41     |                 |           |
|           | KTPS    | 3353       | 3.06                           | 2.64                            | 2.96                               | 17382                 | 0.88            | 5.18     |                 |           |
|           | RTS 'B' | 436        | 0.39                           | 0.28                            | 0.28                               | 555                   | 0.65            | 1.27     |                 |           |
|           | NTS     | 167        | 0.24                           | 0.14                            | 0.15                               | 968                   | 0.88            | 5.79     |                 |           |
| 1987-88   | VTPS    | 3412       | 2.52                           | 2.22                            | 2.24                               | 1746                  | 0.66            | 0.51     |                 |           |
|           | KTPS    | 4010       | 4.02                           | 3.48                            | 3.54                               | 11591                 | 0.88            | 2.89     |                 |           |
|           | RTS 'B' | 391        | 0.42                           | 0.29                            | 0.30                               | 937                   | 0.77            | 2.40     |                 |           |
|           | NTS     | 173        | 0.25                           | 0.15                            | 0.16                               | 1000                  | 0.90            | 5.77     |                 |           |
| 1988-89   | VTPS    | 3103       | 2.52                           | 2.10                            | 2.05                               | 2965                  | 0.66            | 0.95     |                 |           |
|           | KTPS    | 3605       | 3.84                           | 3.50                            | 3.21                               | 10533                 | 0.89            | 2.92     |                 |           |
|           | RTS 'B' | 390        | 0.42                           | 0.29                            | 0.29                               | 936                   | 0.73            | 2.40     |                 |           |
|           | NTS     | 165        | 0.25                           | 0.16                            | 0.16                               | 973                   | 0.95            | 5.89     |                 |           |
| 1989-90   | VTPS    | 3375       | 2.26                           | 2.31                            | 2.39                               | 10467                 | 0.71            | 3.10     |                 |           |
|           | KTPS    | 3454       | 2.66                           | 2.32                            | 3.05                               | 12714                 | 0.88            | 3.68     |                 |           |
|           | RTS 'B' | 251        | 0.42                           | 0.15                            | 0.18                               | 445                   | 0.70            | 1.78     |                 |           |
|           | NTS     | 142        | 0.23                           | 0.14                            | 0.14                               | 1097                  | 0.99            | 7.73     |                 |           |
| 1990-91   | VTPS    | 4699       | 3.66                           | 3.24                            | 3.36                               | 8848                  | 0.71            | 1.91     |                 |           |
|           | KTPS    | 2941       | 3.19                           | 2.50                            | 2.59                               | 13862                 | 0.88            | 4.71     |                 |           |
|           | RTS 'B' | 400        | 0.48                           | 0.26                            | 0.28                               | 1190                  | 0.70            | 2.98     |                 |           |
|           | NTS     | 62         | 0.18                           | 0.06                            | 0.06                               | 380                   | 1.05            | 6.14     |                 |           |
| 1991-92   | VTPS    | 5315       | 4.92                           | 3.72                            | 3.79                               | 10091                 | 0.91            | 1.90     |                 |           |
|           | KTPS    | 2981       | 3.48                           | 3.18                            | 3.02                               | 14273                 | 1.01            | 4.79     |                 |           |
|           | RTS 'B' | 310        | 0.42                           | 0.23                            | 0.23                               | 919                   | 0.74            | 2.97     |                 |           |
|           | NTS     | 121        | 0.18                           | 0.13                            | 0.13                               | 1430                  | 1.05            | 11.85    |                 |           |
| 1992-93   | VTPS    | 5659       | 4.59                           | 4.15                            | 4.11                               | 7196                  | 0.73            | 1.27     |                 |           |
|           | KTPS    | 3132       | 3.33                           | 3.37                            | 3.27                               | 17921                 | 1.04            | 5.72     |                 |           |
|           | RTS-B   | 221        | 0.36                           | 0.19                            | 0.16                               | 1719                  | 0.74            | 7.79     |                 |           |
|           | NTS     | 103        | 0.17                           | 0.14                            | 0.13                               | 1687                  | 1.22            | 16.44    |                 |           |
| 1993-94   | VTPS    | 5909       | 4.83                           | 4.15                            | 4.22                               | 8562                  | 0.71            | 1.45     | 3498            | 2493      |
|           | KTPS    | 3259       | 3.36                           | 3.46                            | 3.66                               | 15638                 | 1.12            | 4.80     | 3162            | 3582      |
|           | RTS-B   | 361        | 0.33                           | 0.25                            | 0.27                               | 1831                  | 0.74            | 5.08     | 3589            | 2710      |
|           | NTS     | 110        | 0.18                           | 0.13                            | 0.13                               | 1771                  | 1.16            | 16.10    | 2670            | 3307      |
| 1994-95   | VTPS    | 7318       | 5.65                           | 5.22                            | 5.25                               | 25011                 | 0.72            | 1.36     | 3429            | 2473      |
|           | KTPS    | 3057       | 3.51                           | 3.35                            | 3.38                               | 9940                  | 1.12            | 6.47     | 2925            | 3402      |
|           | RTS 'B' | 354        | 0.33                           | 0.26                            | 0.24                               | 1629                  | 0.70            | 4.61     | 3803            | 2768      |
|           | NTS     | 91         | 0.14                           | 0.10                            | 0.08                               | 1136                  | 1.03            | 12.47    | 3292            | 2912      |
| (Contd.,) |         |            |                                |                                 |                                    |                       |                 |          |                 |           |

**6.13 THERMAL POWER STATION-FUEL PARTICULARS**

| Year    | Station | Generation (MU) | Coal                     | Coal                      | Coal                         | Oil              | Consumption/KWH |          | C.V. of Coal KCal/Kg | Heat rate KCal/Kwh |
|---------|---------|-----------------|--------------------------|---------------------------|------------------------------|------------------|-----------------|----------|----------------------|--------------------|
|         |         |                 | Linkage (Million Tonnes) | receipts (Million Tonnes) | Consumption (Million Tonnes) | Consumption (KL) | Coal(KG)        | Oil (ml) |                      |                    |
| 1995-96 | VTPS    | 9858            | 7.22                     | 7.34                      | 7.24                         | 10441.00         | 0.73            | 0.77     | 3318                 | 2445               |
|         | KTPS    | 3414            | 4.02                     | 3.83                      | 3.77                         | 14878.00         | 1.11            | 4.36     | 2958                 | 3298               |
|         | RTPP    | 1328            | 1.72                     | 1.08                      | 1.08                         | 18022.00         | 0.81            | 7.27     | 3544                 | 3221               |
|         | RTS' B' | 374             | 0.33                     | 0.25                      | 0.26                         | 1640.00          | 0.70            | 4.38     | 3783                 | 2693               |
|         | NTS     | 129             | 0.17                     | 0.15                      | 0.14                         | 1288.00          | 1.10            | 9.96     | 3423                 | 3862               |
| 1996-97 | VTPS    | 10274           | 7.46                     | 7.31                      | 7.52                         | 5331.00          | 0.73            | 0.52     | 3301                 | 2420               |
|         | KTPS    | 3520            | 3.90                     | 4.00                      | 3.79                         | 17724.00         | 1.08            | 5.04     | 2974                 | 3255               |
|         | RTPP    | 2437            | 2.75                     | 2.13                      | 1.93                         | 12497.00         | 0.79            | 5.13     | 3387                 | 2733               |
|         | RTS' B' | 378             | 0.29                     | 0.29                      | 0.27                         | 3065.00          | 0.73            | 8.11     | 3647                 | 2728               |
|         | NTS     | 111             | 0.17                     | 0.16                      | 0.13                         | 1959.00          | 1.17            | 17.66    | 3092                 | 3802               |
| 1997-98 | VTPS    | 10357           | 8.10                     | 7.40                      | 7.27                         | 5488.00          | 0.70            | 0.53     | 3402                 | 2394               |
|         | KTPS    | 5163            | 5.94                     | 4.92                      | 4.51                         | 26360.00         | 0.87            | 5.10     | 3349                 | 3223               |
|         | RTPP    | 2983            | 2.71                     | 2.27                      | 2.22                         | 4144.00          | 0.74            | 1.39     | 3347                 | 2503               |
|         | RTS' B' | 400             | 0.36                     | 0.29                      | 0.28                         | 2500.00          | 0.69            | 6.25     | 3844                 | 2715               |
|         | NTS     | 116             | 0.12                     | 0.13                      | 0.13                         | 1779.00          | 1.16            | 15.31    | 3043                 | 3690               |
| 1998-99 | VTPS    | 9828            | 7.20                     | 6.80                      | 6.83                         | 5969.18          | 0.69            | 0.61     | 3474                 | 2420               |
|         | KTPS    | 6163            | 7.05                     | 4.88                      | 5.07                         | 26403.30         | 1.68            | 8.50     | 6772                 | 2459               |
|         | RTPP    | 3365            | 2.63                     | 2.43                      | 2.51                         | 3051.60          | 0.75            | 0.91     | 3281                 | 2457               |
|         | RTS' B' | 380             | 0.32                     | 0.29                      | 0.28                         | 2335.10          | 0.73            | 6.14     | 3812                 | 2859               |
|         | NTS     | 97              | 0.15                     | 0.11                      | 0.12                         | 1150.28          | 1.23            | 11.84    | 3441                 | 4242               |
| 1999-00 | VTPS    | 9621.54         | 6.45                     | 6.65                      | 6.70                         | 4213.00          | 0.70            | 0.44     | 3570                 | 2491               |
|         | KTPS    | 3887.15         | } 6.47                   | 3.55                      | 3.61                         | 1362.00          | 0.93            | 0.77     | 3116                 | 2349               |
|         | KTPS-V  | 3933.42         |                          | 2.47                      | 2.55                         | 2897.00          | 0.65            | 0.83     | 3120                 | 2351               |
|         | RTPP    | 3500.35         | 2.70                     | 2.62                      | 2.63                         | 1535.00          | 0.75            | 0.88     | 3123                 | 2353               |
|         | RTS' B' | 428.7           | 0.36                     | 0.31                      | 0.33                         | 594.00           | 0.76            | 1.60     | 3215                 | 2803               |
|         | NTS     | 127.94          | 0.21                     | 0.13                      | 0.13                         | 570.00           | 1.05            | 1.36     | 3241                 | 2809               |
| 2000-01 | VTPS    | 10198.21        | 7.05                     | 7.27                      | 7.09                         | 4139             | 0.70            | 0.41     | 3460                 | 2411               |
|         | KTPS    | 3863.27         | } 6.79                   | 3.75                      | 3.60                         | 10599            | 0.93            | 2.74     | 3233                 | 3045               |
|         | KTPS-V  | 3784.36         |                          | 2.61                      | 2.31                         | 2838             | 0.61            | 0.75     | 3785                 | 2325               |
|         | RTPP    | 3475.38         | 3.03                     | 2.82                      | 2.80                         | 2424             | 0.81            | 0.70     | 2850                 | 2303               |
|         | RTS' B' | 443.7           | 0.36                     | 0.35                      | 0.36                         | 1018             | 0.82            | 2.29     | 3588                 | 2966               |
|         | NTS     | 169.33          | 0.17                     | 0.19                      | 0.18                         | 479              | 1.09            | 2.83     | 2998                 | 3296               |
| 2001-02 | VTPS    | 10228.07        | 6.90                     | 6.99                      | 7.17                         | 3630             | 0.70            | 0.35     | 3521                 | 2471               |
|         | KTPS    | 4172.14         | } 6.31                   | 3.62                      | 3.69                         | 12261            | 0.88            | 2.94     | 3212                 | 2870               |
|         | KTPS-V  | 3862.49         |                          | 2.62                      | 2.65                         | 2413             | 0.69            | 0.62     | 3320                 | 2282               |
|         | RTPP    | 3400.81         | 2.40                     | 2.31                      | 2.37                         | 1678             | 0.70            | 0.49     | 3386                 | 2366               |
|         | RTS' B' | 425.4           | 0.34                     | 0.32                      | 0.31                         | 732              | 0.74            | 1.72     | 3763                 | 2810               |
|         | NTS     | 156.09          | 0.18                     | 0.16                      | 0.17                         | 409              | 1.10            | 2.62     | 3622                 | 4024               |
| 2002-03 | VTPS    | 10283.63        | 7.02                     | 7.20                      | 7.23                         | 2848             | 0.70            | 0.28     | 3498                 | 2461               |
|         | KTPS    | 4644.98         | } 6.11                   | 3.79                      | 3.83                         | 7470             | 0.83            | 1.61     | 3294                 | 2733               |
|         | KTPS-V  | 4080.53         |                          | 2.81                      | 2.84                         | 1663             | 0.70            | 0.41     | 3357                 | 2339               |
|         | RTPP    | 3488.82         | 2.16                     | 2.20                      | 2.29                         | 2036             | 0.66            | 0.58     | 3500                 | 2305               |
|         | RTS' B' | 388.67          | 0.29                     | 0.27                      | 0.27                         | 452              | 0.70            | 1.16     | 3972                 | 2811               |
|         | NTS     | 145.90          | 0.13                     | 0.15                      | 0.16                         | 275              | 1.08            | 1.88     | 3373                 | 3654               |
| 2003-04 | VTPS    | 10164.27        | 7.74                     | 7.16                      | 7.16                         | 3701             | 0.70            | 0.36     | 3535                 | 2494               |
|         | KTPS    | 4225.95         | } 6.44                   | 3.96                      | 3.29                         | 5492             | 0.78            | 1.30     | 3486                 | 2732               |
|         | KTPS-V  | 4038.37         |                          | 2.02                      | 2.65                         | 2062             | 0.66            | 0.51     | 3521                 | 2318               |
|         | RTPP    | 3401.58         | 2.60                     | 2.19                      | 2.25                         | 677              | 0.66            | 0.20     | 3485                 | 2304               |
|         | RTS' B' | 471.28          | 0.27                     | 0.31                      | 0.31                         | 310              | 0.66            | 0.66     | 4281                 | 2839               |
|         | NTS     | 153.94          | 0.15                     | 0.14                      | 0.15                         | 321              | 0.96            | 2.08     | 3570                 | 3463               |
| 2004-05 | VTPS    | 9851.05         | 7.80                     | 6.96                      | 6.89                         | 3280             | 0.70            | 0.33     | 3483                 | 2441               |
|         | KTPS    | 5364.13         | } 6.47                   | 3.87                      | 3.79                         | 5339             | 0.71            | 1.00     | 3647                 | 2593               |
|         | KTPS-V  | 4140.20         |                          | 2.53                      | 2.57                         | 1781             | 0.62            | 0.43     | 3651                 | 2274               |
|         | RTPP    | 3353.78         | 2.49                     | 2.16                      | 2.15                         | 757              | 0.64            | 0.23     | 3566                 | 2288               |
|         | RTS' B' | 496.16          | 0.33                     | 0.32                      | 0.32                         | 198              | 0.64            | 0.40     | 4248                 | 2723               |
|         | NTS     | 154.40          | 0.17                     | 0.15                      | 0.15                         | 228              | 0.98            | 1.48     | 3824                 | 3772               |
| 2005-06 | VTPS    | 9754.94         | 7.35                     | 6.90                      | 6.81                         | 2451             | 0.70            | 0.25     | 3438                 | 2401               |
|         | KTPS    | 4732.26         | } 6.36                   | 3.72                      | 3.64                         | 5022             | 0.77            | 1.06     | 3449                 | 2662               |
|         | KTPS-V  | 3482.09         |                          | 2.55                      | 2.39                         | 2054             | 0.69            | 0.59     | 3364                 | 2311               |
|         | RTPP    | 2370.99         | 2.37                     | 1.60                      | 1.52                         | 1901             | 0.64            | 0.80     | 3614                 | 2323               |
|         | RTS' B' | 397.12          | 0.36                     | 0.29                      | 0.28                         | 399              | 0.71            | 1.01     | 4016                 | 2872               |
|         | NTS     | 7.42            | 0.02                     | 0.01                      | 0.01                         | 5                | 0.97            | 0.64     | 3930                 | 3832               |

**6.13 THERMAL POWER STATION-FUEL PARTICULARS**

| Year    | Station     | Generation (MU) | Coal                        | Coal                         | Coal                            | Oil                 | Consumption/KWH |          | C.V. of Coal<br>KCal/Kg | Heat rate<br>KCal/Kwh |
|---------|-------------|-----------------|-----------------------------|------------------------------|---------------------------------|---------------------|-----------------|----------|-------------------------|-----------------------|
|         |             |                 | Linkage<br>(Million Tonnes) | receipts<br>(Million Tonnes) | Consumption<br>(Million Tonnes) | Consumption<br>(KL) | Coal(KG)        | Oil (ml) |                         |                       |
| 2006-07 | VTPS        | 9953.95         | 7.41                        | 6.90                         | 6.93                            | 2788                | 0.70            | 0.28     | 3405                    | 2374                  |
|         | KTPS        | 4787.31         | } 7.02                      | 3.77                         | 3.80                            | 6207                | 0.79            | 1.30     | 3423                    | 2731                  |
|         | KTPS-V      | 3680.69         |                             | 2.55                         | 2.64                            | 1324                | 0.72            | 0.36     | 3296                    | 2364                  |
|         | RTPP        | 3293.67         | 3.40                        | 2.01                         | 2.22                            | 1662                | 0.68            | 0.50     | 3447                    | 2334                  |
|         | RTS' B' NTS | 330.66          | 0.37                        | 0.24                         | 0.24                            | 491                 | 0.71            | 1.49     | 3874                    | 2770                  |
| 2007-08 | VTPS        | 9765.44         | 7.86                        | 7.00                         | 7.11                            | 2789                | 0.73            | 0.29     | 3239                    | 2362                  |
|         | KTPS        | 5030.30         | } 7.20                      | 4.06                         | 4.14                            | 4721                | 0.82            | 0.94     | 3289                    | 2723                  |
|         | KTPS-V      | 3970.43         |                             | 2.94                         | 2.93                            | 1465                | 0.74            | 0.37     | 3170                    | 2344                  |
|         | RTPP        | 4416.59         | 4.67                        | 3.09                         | 3.09                            | 17412               | 0.70            | 1.28     | 3281                    | 2325                  |
|         | RTS' B'     | 503.01          | 0.33                        | 0.33                         | 0.33                            | 316                 | 0.66            | 0.63     | 3953                    | 2613                  |
| 2008-09 | VTPS        | 10340.94        | 7.55                        | 7.30                         | 7.26                            | 2959                | 0.70            | 0.29     | 3304                    | 2324                  |
|         | KTPS        | 4462.11         | } 5.90                      | 3.99                         | 4.00                            | 8542                | 0.90            | 1.91     | 3084                    | 2784                  |
|         | KTPS-V      | 3665.89         |                             | 2.97                         | 3.00                            | 3827                | 0.82            | 1.04     | 2804                    | 2306                  |
|         | RTPP        | 6741.61         | 5.09                        | 3.99                         | 4.72                            | 5218                | 0.70            | 0.77     | 3230                    | 2268                  |
|         | RTS' B'     | 467.35          | 0.32                        | 0.35                         | 0.33                            | 201                 | 0.71            | 0.43     | 3701                    | 2645                  |
| 2009-10 | VTPS        | 10727.18        | 7.55                        | 7.70                         | 7.62                            | 3007                | 0.72            | 0.31     | 3274                    | 2360                  |
|         | KTPS        | 4913.38         | } 5.90                      | 4.49                         | 4.22                            | 4486                | 0.86            | 0.91     | 3079                    | 2657                  |
|         | KTPS-V      | 4035.64         |                             | 3.27                         | 3.10                            | 1689                | 0.77            | 0.42     | 2966                    | 2285                  |
|         | RTPP        | 6376.56         | 5.09                        | 4.48                         | 4.40                            | 3325                | 0.69            | 0.52     | 3289                    | 2278                  |
|         | RTS' B'     | 512.18          | 0.32                        | 0.35                         | 0.35                            | 179                 | 0.69            | 0.35     | 3735                    | 2562                  |
| 2010-11 | VTPS        | 12408.14        | 8.08                        | 7.92                         | 8.65                            | 4128                | 0.74            | 0.48     | 3173                    | 2342                  |
|         | KTPS        | 5057.09         | } 5.90                      | 6.79                         | 4.32                            | 4616                | 0.85            | 0.91     | 3068                    | 2631                  |
|         | KTPS-V      | 3417.97         |                             | 2.53                         | 2.830                           | 2830                | 0.74            | 0.83     | 2980                    | 2210                  |
|         | RTPP        | 6255.32         | 4.75                        | 4.21                         | 4.33                            | 8844                | 0.69            | 0.81     | 3245                    | 2257                  |
|         | RTS' B'     | 469.91          | 0.30                        | 0.32                         | 0.33                            | 296                 | 0.71            | 0.63     | 3601                    | 2555                  |
| 2011-12 | Kakatiya-I  | 1838.51         | 2.16                        | 1.21                         | 1.16                            | 16824               | 0.63            | 2.37     | 3570                    | 2272                  |
|         | VTPS        | 14159.09        | 7.69                        | 8.53                         | 9.80                            | 6216                | 0.72            | 0.62     | 3198                    | 2314                  |
|         | KTPS        | 4998.02         | } 5.90                      | 8.05                         | 4.39                            | 5501                | 0.88            | 1.10     | 3046                    | 2686                  |
|         | KTPS-V&VI   | 5844.27         |                             | 4.06                         | 20532                           | 20532               | 0.69            | 0.97     | 3226                    | 2251                  |
|         | RTPP        | 8075.76         | 5.49                        | 5.12                         | 5.49                            | 13449               | 0.68            | 1.67     | 3353                    | 2294                  |
| 2012-13 | RTS' B'     | 452.70          | 0.30                        | 0.32                         | 0.33                            | 590                 | 0.72            | 1.30     | 3614                    | 2615                  |
|         | Kakatiya-I  | 2440.72         | 2.16                        | 2.37                         | 1.49                            | 6266                | 0.61            | 2.57     | 3688                    | 2272                  |
|         | VTPS        | 13410.51        | 7.69                        | 9.93                         | 9.81                            | 19968               | 0.77            | 2.07     | 3032                    | 2347                  |
|         | KTPS        | 4607.32         | 3.70                        | 4.65                         | 4.44                            | 10200               | 0.96            | 2.21     | 2912                    | 2830                  |
|         | KTPS-V&VI   | 7799.06         | 4.51                        | 5.59                         | 5.58                            | 9518                | 0.72            | 1.22     | 3365                    | 2421                  |
| 2013-14 | RTPP        | 7692.60         | 5.49                        | 5.20                         | 5.15                            | 9308                | 0.67            | 1.21     | 3381                    | 2275                  |
|         | RTS' B'     | 435.83          | 0.30                        | 0.32                         | 0.32                            | 869                 | 0.75            | 1.99     | 3576                    | 2714                  |
|         | Kakatiya-I  | 3988.72         | 2.16                        | 2.35                         | 2.48                            | 2365                | 0.62            | 0.59     | 3719                    | 2320                  |
|         | VTPS        | 12833.42        | 7.57                        | 9.96                         | 9.57                            | 10109               | 0.78            | 1.12     | 3050                    | 2380                  |
|         | KTPS        | 4285.96         | 3.70                        | 4.63                         | 4.77                            | 6228                | 1.11            | 1.45     | 2749                    | 3073                  |
| 2014-15 | KTPS-V&VI   | 7018.27         | 3.77                        | 5.09                         | 5.44                            | 5043                | 0.78            | 0.72     | 3042                    | 2367                  |
|         | RTPP        | 7056.69         | 5.43                        | 3.26                         | 5.02                            | 9687                | 0.71            | 1.37     | 3271                    | 2342                  |
|         | RTS' B'     | 445.77          | 0.30                        | 0.36                         | 0.35                            | 963                 | 0.78            | 2.16     | 3510                    | 2774                  |
|         | Kakatiya-I  | 3155.09         | 2.29                        | 2.54                         | 2.51                            | 3382                | 0.67            | 1.07     | 3492                    | 2347                  |
|         | VTPS        | 12704.85        | -                           | 9.76                         | 9.52                            | 14980               | 0.75            | 1.18     | 3272                    | 2463                  |
| 2015-16 | RTPP        | 7163.53         | -                           | 5.63                         | 5.43                            | 13931               | 0.76            | 1.94     | 3032                    | 2317                  |
|         | Dr NTTPS    | 12066.23        | -                           | 9.72                         | 9.25                            | 10437               | 0.76            | 0.86     | 3181                    | 2434                  |
|         | RTPP        | 7292.70         | -                           | 5.75                         | 5.35                            | 5888                | 0.73            | 0.81     | 3127                    | 2300                  |

MT=Million Tonnes

#### 6.14 HYDEL RESERVOIR PARTICULARS

| S.No. | Name of the Reservoir | F.R.L.   | MDDL   | F.R.L.  | Live Storage<br>at F.R.L in<br>T.M.C. ft. | Storage<br>equivalent<br>in MU |
|-------|-----------------------|----------|--------|---------|-------------------------------------------|--------------------------------|
|       |                       | Level in |        | Storage |                                           |                                |
|       |                       | Ft.      |        | TMC Ft. |                                           |                                |
| 1.    | Jalaput               | 2750     | 2685   | 34.27   | 31.52                                     | 531                            |
| 2.    | Balimela              | 1516     | 1440   | 127.6   | 99.44                                     | 895                            |
| 3.    | Guntawada             | 1360     | 1333.5 | 4.3     | 3.62                                      | 65                             |
| 4.    | Donkarayi             | 1037     | 955    | 16.52   | 12.87                                     | 153                            |
| 5.    | Srisailam             | 885      | 800    | 215.81  | 186.83                                    | 1028                           |
| 6.    | Nagarjunasagar        | 590      | 510    | 312.05  | 180.38                                    | 992                            |
| 7.    | Nizamsagar            | 1405     | 1376   | 17.8    | 16.96                                     | 34                             |
| 8.    | T.B.Dam               | 1633     | 1582   | 115.68  | 109.81                                    | 211                            |
| 9.    | Pochampad             | 1091     | 1064   | 112.02  | 81.19                                     | 162                            |

| 6.15 YEAR-WISE STORAGE AND INFLOWS                                              |                  |                  |                   |               |        |
|---------------------------------------------------------------------------------|------------------|------------------|-------------------|---------------|--------|
| Year                                                                            | Initial level in | Gross Storage in | During July -June |               |        |
|                                                                                 | ft as on1st July | TMC ft           | InfloWS TMC ft    | Drawal TMC ft |        |
| DATA OF SRISAILAM RESERVOIR                                                     |                  |                  |                   |               |        |
| 1982-83                                                                         | 749.60           | 28.90            | 933.20            | 95.80         |        |
| 1983-84                                                                         | 735.50           | 26.60            | 1607.60           | 120.80        |        |
| 1984-85                                                                         | 739.60           | 25.10            | 1052.30           | 434.40        |        |
| 1985-86                                                                         | 812.50           | 69.50            | 716.10            | 382.10        |        |
| 1986-87                                                                         | 821.40           | 82.70            | 679.50            | 440.00        |        |
| 1987-88                                                                         | 750.00           | 28.50            | 592.80            | 500.20        |        |
| 1988-89                                                                         | 797.60           | 52.60            | 1471.00           | 474.20        |        |
| 1989-90                                                                         | 797.00           | 49.51            | 1140.70           | 567.13        |        |
| 1990-91                                                                         | 829.30           | 96.43            | 1630.90           | 651.91        |        |
| 1991-92                                                                         | 872.00           | 232.16           | 1415.22           | 516.05        |        |
| 1992-93                                                                         | 796.70           | 52.20            | 944.13            | 572.22        |        |
| 1993-94                                                                         | 800.20           | 55.20            | 1297.78           | 616.41        |        |
| 1994-95                                                                         | 800.20           | 55.20            | 2024.38           | 578.64        |        |
| 1995-96                                                                         | 738.40           | 24.61            | 619.81            | 456.08        |        |
| 1996-97                                                                         | 802.00           | 57.02            | 1092.69           | 560.96        |        |
| 1997-98                                                                         | 803.30           | 58.37            | 1198.5            | 522.33        |        |
| 1998-99                                                                         | 808.90           | 64.89            | 1716              | 456.32        |        |
| 1999-00                                                                         | 840.20           | 119.01           | 894.6             | 507.27        |        |
| 2000-01*                                                                        | 840.20           | 119.01           | 564.47            | 503.96        |        |
| 2001-02                                                                         | 824.80           | 88.37            | 499.48            | 398.54        |        |
| 2002-03*                                                                        | 821.70           | 83.19            | 199.02            | 232.15        |        |
| 2003-04                                                                         |                  |                  |                   |               |        |
| 2004-05                                                                         | 780.40           | 40.84            | 507.63            |               |        |
| 2005-06                                                                         | 816.90           | 63.7             | 1815.29           | 676.23        |        |
| 2006-07                                                                         | 847.40           | 112.66           | 1721.19           | 771.41        |        |
| 2007-08                                                                         | 830.10           | 79.86            | 1673.36           | 843.03        |        |
| 2008-09                                                                         | 861.20           | 153.25           | 749.67            | 635.74        |        |
| 2009-10                                                                         | 820.30           | 17.84            | 844.53            | 425.10        |        |
| 2010-11                                                                         | 830.70           | 31.33            | 1004.90           | 678.39        |        |
| 2011-12                                                                         | 838.00           | 43.50            | 703.40            | 768.44        |        |
| 2012-13                                                                         | 808.10           | 6.23             | 194.25            | 137.37        |        |
| 2013-14                                                                         | 846.00           | 42.92            | 828.87            | 487.65        |        |
| 2014-15                                                                         | 850.80           | 52.78            | 640.69            | 495.60        |        |
| DATA OF JALAPUT RESERVOIR                                                       |                  |                  |                   |               |        |
| 1981-82                                                                         | 2712.00          | 10.00            | 38.70             | 43.70         |        |
| 1982-83                                                                         | 2680.00          | 2.30             | 42.20             | 39.60         |        |
| 1983-84                                                                         | 2682.90          | 2.40             | 55.90             | 42.00         |        |
| 1984-85                                                                         | 2718.70          | 12.70            | 47.40             | 55.90         |        |
| 1985-86                                                                         | 2670.70          | 1.00             | 40.00             | 37.50         |        |
| 1986-87                                                                         | 2684.90          | 2.70             | 49.60             | 47.90         |        |
| 1987-88                                                                         | 2693.40          | 4.40             | 28.50             | 29.20         |        |
| 1988-89                                                                         | 2687.70          | 3.20             | 42.30             | 43.30         |        |
| 1989-90                                                                         | 2680.50          | 2.07             | 65.90             | 41.60         |        |
| 1990-91                                                                         | 2741.00          | 26.51            | 63.30             | 59.50         |        |
| 1991-92                                                                         | 2713.70          | 10.54            | 50.85             | 51.80         |        |
| 1992-93                                                                         | 2714.70          | 10.95            | 49.36             | 52.30         |        |
| 1993-94                                                                         | 2681.00          | 2.14             | 32.14             | 38.10         |        |
| 1994-95                                                                         | 2681.00          | 2.14             | 79.01             | 55.18         |        |
| 1995-96                                                                         | 2723.90          | 15.30            | 51.75             | 53.65         |        |
| 1996-97                                                                         | 2711.60          | 9.72             | 53.71             | 54.28         |        |
| 1997-98                                                                         | 2711.40          | 9.64             | 35.23             | 37.58         |        |
| 1998-99                                                                         | 2694.10          | 4.52             | 50.00             | 38.41         |        |
| 1999-00                                                                         | 2730.00          | 18.82            | 51.71             | 46.84         |        |
| 2000-01*                                                                        | 2730.00          | 18.82            | 41.27             | 42.52         |        |
| 2001-02                                                                         | 2724.70          | 15.73            | 51.72             |               |        |
| 2002-03*                                                                        | 2728.10          | 17.67            | 22.22             | 36.92         |        |
| 2003-04*                                                                        | 2686.50          | 3.01             | 47.50             |               |        |
| 2004-05*                                                                        | 2732.20          | 20.32            | 49.77             |               |        |
| 2005-06*                                                                        | 2719.00          | 12.85            | 54.74             | 48.14         |        |
| 2006-07*                                                                        | 2731.10          | 19.52            | 68.13             | 52.79         |        |
| 2007-08*                                                                        | 2726.00          | 16.45            | 63.52             | 30.22         |        |
| 2008-09*                                                                        | 2744.50          | 26.78            | 34.57             | 38.79         |        |
| 2009-10*                                                                        | 2724.10          | 12.65            | 32.27             | 41.33         |        |
| 2010-11*                                                                        | 2705.10          | 4.72             | 53.05             | 37.25         |        |
| 2011-12                                                                         | 2742.70          | 25.23            | 24.33             | 32.21         |        |
| 2012-13                                                                         | 2732.05          | 17.47            | 46.95             | 44.77         |        |
| 2013-14                                                                         | 2731.35          | 16.99            | 49.51             | 39.67         |        |
| 2014-15                                                                         | 2736.55          | 20.55            | 36.13             | 44.80         |        |
| DATA OF BALIMELA RESERVOIR                                                      |                  |                  |                   | AP            | ORISSA |
| 1981-82                                                                         | 1441.80          | 34.30            | 63.60             | 51.60         | 58.80  |
| 1982-83                                                                         | 1431.80          | 27.60            | 83.00             | 57.90         | 58.40  |
| 1983-84                                                                         | 1436.10          | 30.70            | 106.30            | 65.10         | 81.60  |
| 1984-85                                                                         | 1434.80          | 29.50            | 64.20             | 56.80         | 60.60  |
| 1985-86                                                                         | 1433.30          | 28.60            | 57.20             | 41.50         | 48.70  |
| 1986-87                                                                         | 1433.70          | 28.80            | 77.10             | 60.30         | 62.70  |
| 1987-88                                                                         | 1432.00          | 27.80            | 43.20             | 32.30         | 32.40  |
| 1988-89                                                                         | 1433.80          | 28.90            | 59.60             | 48.50         | 47.80  |
| 1989-90                                                                         | 1437.20          | 31.11            | 86.83             | 57.40         | 57.40  |
| 1990-91                                                                         | 1447.60          | 38.83            | 188.24            | 77.30         | 80.60  |
| 1991-92                                                                         | 1468.70          | 52.92            | 80.58             | 76.20         | 80.90  |
| 1992-93                                                                         | 1435.3           | 29.83            | 93.29             | 75.30         | 77.40  |
| 1993-94                                                                         | 1432.4           | 28.00            | 49.03             | 40.90         | 43.80  |
| 1994-95                                                                         | 1432.40          | 28.00            | 165.26            | 74.54         | 77.56  |
| 1995-96                                                                         | 1469.80          | 59.06            | 75.46             | 80.71         | 80.71  |
| 1996-97                                                                         | 1447.70          | 38.91            | 71.41             | 61.37         | 63.90  |
| 1997-98                                                                         | 1442.80          | 35.10            | 51.98             | 44.74         | 44.11  |
| 1998-99                                                                         | 1442.80          | 35.10            | 66.00             | 48.01         | 47.96  |
| 1999-00                                                                         | 1460.20          | 49.56            | 98.76             | 61.56         | 68.43  |
| 2000-01*                                                                        | 1460.20          | 49.56            | 66.66             | 63.72         | 57.97  |
| 2001-02                                                                         | 1440.70          | 33.53            | 76.78             | 64.30         | 61.57  |
| 2002-03*                                                                        | 1439.80          | 32.87            | 34.28             | 36.74         | 31.81  |
| 2003-04                                                                         | 1441.00          | 33.75            | 121.30            |               |        |
| 2004-05                                                                         | 1473.80          | 63.43            | 94.16             | 79.52         | 86.22  |
| 2005-06                                                                         | 1456.00          | 46.05            | 86.21             | 65.79         | 59.35  |
| 2006-07                                                                         | 1463.50          | 52.73            | 151.67            | 85.15         | 89.30  |
| 2007-08                                                                         | 1483.20          | 74.91            | 108.96            | 76.52         | 101.64 |
| 2008-09                                                                         | 1474.70          | 31.42            | 72.35             | 92.52         | 53.01  |
| 2009-10                                                                         | 1448.20          | 6.31             | 58.46             | 33.23         | 45.68  |
| 2010-11                                                                         | 1466.40          | 22.56            | 126.35            | 56.23         | 72.51  |
| 2011-12                                                                         | 1486.20          | 45.96            | 54.39             | 62.80         | 59.77  |
| 2012-13                                                                         | 1448.80          | 6.79             | 92.73             | 55.45         | 30.12  |
| 2013-14                                                                         | 1495.50          | 58.98            | 117.10            | 66.07         | 90.75  |
| 2014-15                                                                         | 1498.90          | 63.91            | 109.66            | 81.83         | 69.55  |
| * InfloWS and drawal are during financial year (Apr-Mar) w.e.f the year 2000-01 |                  |                  |                   |               |        |

| 6.15 YEAR-WISE STORAGE AND INFLOWS |                      |                |                       |               |        |
|------------------------------------|----------------------|----------------|-----------------------|---------------|--------|
| Year                               | As on 1st April      |                | During April to March |               |        |
|                                    | Intial level in feet | Net Storage in | Inflows TMC ft        | Drawal TMC ft |        |
| DATA OF SRISAILAM RESERVOIR        |                      |                |                       |               |        |
| 2014-15                            | 850.80               | 52.78          | 640.69                | 495.60        |        |
| 2015-16                            | 805.20               | 2.66           | 53.79                 | 66.76         |        |
| DATA OF JALAPUT RESERVOIR          |                      |                |                       |               |        |
| 2014-15                            | 2736.55              | 20.55          | 36.13                 | 44.80         |        |
| 2015-16                            | 2730.60              | 16.48          | 43.62                 | 39.74         |        |
| DATA OF BALIMELA RESERVOIR         |                      |                |                       | AP            | ORISSA |
| 2014-15                            | 1498.90              | 63.91          | 109.66                | 81.83         | 69.55  |
| 2015-16                            | 1495.00              | 58.25          | 60.83                 | 84.47         | 33.25  |
|                                    |                      |                |                       |               |        |

**6.16 (A). GENERATION SCHEMES CLEARED AND READY FOR EXECUTION AS ON 31-03-2016**

| S.No.                       | Name of the Scheme                           | Location<br>(District)     | Capacity<br>No. x MW | Estimated<br>Cost (Rs.Cr.) | Remarks                                                                                                               |
|-----------------------------|----------------------------------------------|----------------------------|----------------------|----------------------------|-----------------------------------------------------------------------------------------------------------------------|
| <b>State Sector (Hydro)</b> |                                              |                            |                      |                            |                                                                                                                       |
| 1                           | Polavaram HEP                                | Polavaram E G Dt           | 12x80 MW             | 4081                       | Programmed to commission during 2020                                                                                  |
| 2                           | Sri Damodaram<br>Sanjeevaiah TPS<br>Stage II | Krishnapatnam<br>(Nellore) | 1x800MW              | 4276                       | All the clearances obtained. BTG Tender awarded to M/S BHEL. 10 % Advance paid and zero date commenced on 15-12-2015. |
| 3                           | Dr.NTTPS Stage V<br>Vijayawada               | Ibrahimpattam<br>(Krishna) | 1x800MW              | 5286                       | All the clearances obtained. BTG Tender awarded to M/S BHEL. 10 % Advance paid and zero date commenced on 15-12-2015. |

| 6.16 (B). GENERATION SCHEMES PENDING CLEARANCE AS ON 31-03-2016 |                        |                        |                      |                            |                          |
|-----------------------------------------------------------------|------------------------|------------------------|----------------------|----------------------------|--------------------------|
|                                                                 |                        |                        |                      |                            |                          |
| S.No.                                                           | Name of the Scheme     | Location<br>(District) | Capacity<br>No. x MW | Estimated<br>Cost (Rs.Cr.) | Remarks                  |
| State Sector (Thermal)                                          |                        |                        |                      |                            |                          |
| 1                                                               | Srikakulam (4x1000 MW) | Srikakulam             | 4000 MW              | 44000                      | Under development stage. |

**6.17 POWER PROJECTS UNDER CONSTRUCTION - PROGRESS AS ON 31-03-2016**

| S.No                                    | Name of the Project                    | Location                | Capacity Addition | Estimated Cost (Rs. Crs.) | Remarks                                       |
|-----------------------------------------|----------------------------------------|-------------------------|-------------------|---------------------------|-----------------------------------------------|
| <b>State Sector (Thermal)</b>           |                                        |                         |                   |                           |                                               |
| 1                                       | Rayalaseema TPP Stage IV               | Muddanur (YSR)          | 1 x 600 MW        | 4082                      | Programmed to commission during December 2017 |
| 2                                       | Dr NTTPS Stage-V                       | Vijayawada (Krishna)    | 1 x 800 MW        | 5287                      | Programmed to commission during April 2019    |
| 3                                       | Sri Damodaram Sanjeevaiah TPS Stage II | Krishnapatnam (Nellore) | 1 x 800 MW        | 4327                      | Programmed to commission during April 2019    |
| <b>State Sector (Solar)</b>             |                                        |                         |                   |                           |                                               |
| 1                                       | Solar PV Plant                         | Ananthapuram            | 400 MW            | 2375                      | Programmed to commission during June 2018     |
| <b>State Sector (Hydro)</b>             |                                        |                         |                   |                           |                                               |
|                                         | Nil                                    |                         |                   |                           |                                               |
| <b>POWER PROJECTS UNDER DEVELOPMENT</b> |                                        |                         |                   |                           |                                               |
| S.No                                    | Name of the Project                    | Unit                    | Capacity Addition | Estimated Cost (in Crs.)  | Remarks                                       |
| 1                                       | Solar PV Plant                         |                         | 100 MW            |                           | Programmed to commission during 2018-19       |
| 2                                       | Wind Farm at Ramagiri                  |                         | 1x10MW            | 50                        | Programmed to commission during 2018          |
| 3                                       | Polavaram HEP                          | Unit 1 to 12            | 12x80MW (960MW)   | 4081                      | Programmed to commission during 2020          |

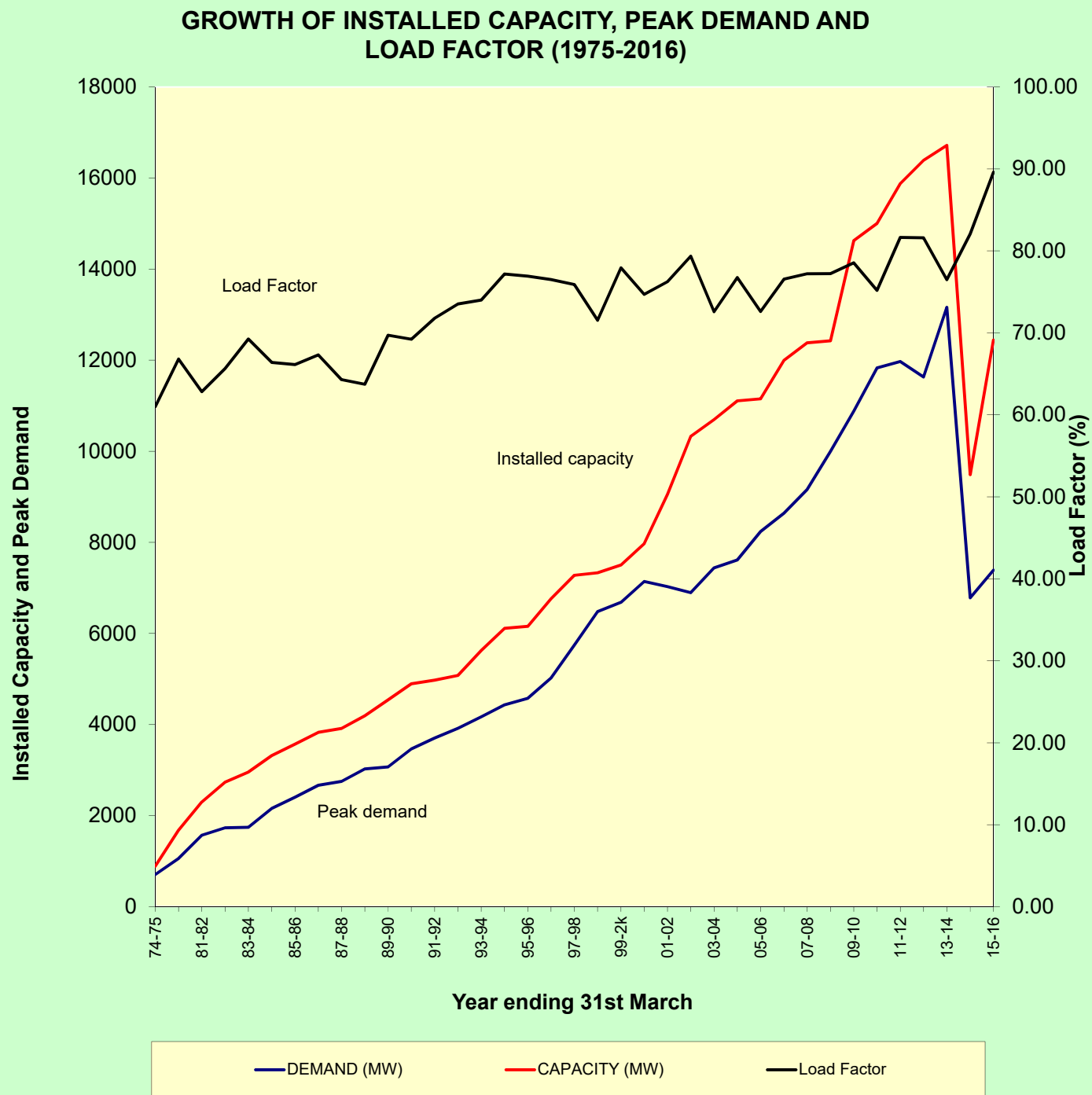
### 6.18 Generation schemes under investigation as on 31-3-2016

| State Sector |                     |                   |                             |                                         |
|--------------|---------------------|-------------------|-----------------------------|-----------------------------------------|
| S.No         | Name of the Project | Capacity Addition | Estimated Cost<br>(in Crs.) | Remarks                                 |
| 1            | Srikakulam TPP      | 4 x 1000 MW       | 44000                       | Programmed to commission during 2023-24 |

**6.19 Estimated potential & Harnessed in Renewable Energy Sources (As on 31.3.2016)**

| <b>SNO</b> | <b>Energy Source</b>                                       | <b>Potential<br/>(MW)</b> | <b>Projects Sanctioned<br/>(MW)</b>                                                | <b>Capacity<br/>Harnessed<br/>up to Mar-<br/>15(MW)</b> | <b>Capacity addition<br/>During 2015-16</b> |
|------------|------------------------------------------------------------|---------------------------|------------------------------------------------------------------------------------|---------------------------------------------------------|---------------------------------------------|
| 1          | Wind                                                       | 44229.00                  | 9507.00                                                                            | 1054.79                                                 | 418.20                                      |
| 2          | Biomass projects including<br>co-generation power projects | 500.00                    | 221.620                                                                            | 190.00                                                  | 0.00                                        |
| 3          | Bagasse based Co-<br>generation                            | 300.00                    | 206.95                                                                             | 149.85                                                  | 0.00                                        |
| 4          | Municipal Solid Waste                                      | 100.00                    | 6.15                                                                               | 6.00                                                    | 0.00                                        |
| 5          | Industrial Waste                                           | 100.00                    | 34.01                                                                              | 18.16                                                   | 0.00                                        |
| 6          | Small Hydro                                                | 500.00                    | 185.40                                                                             | 87.438                                                  | 0.00                                        |
| 7          | Solar                                                      | 38440                     | 5000.00(Including<br>619MW under<br>bidding route and<br>4000MW in solar<br>parks) | 143.70                                                  | 435.5                                       |
|            | <b>Total</b>                                               | <b>84169</b>              | <b>15161.13</b>                                                                    | <b>1649.94</b>                                          | <b>853.70</b>                               |

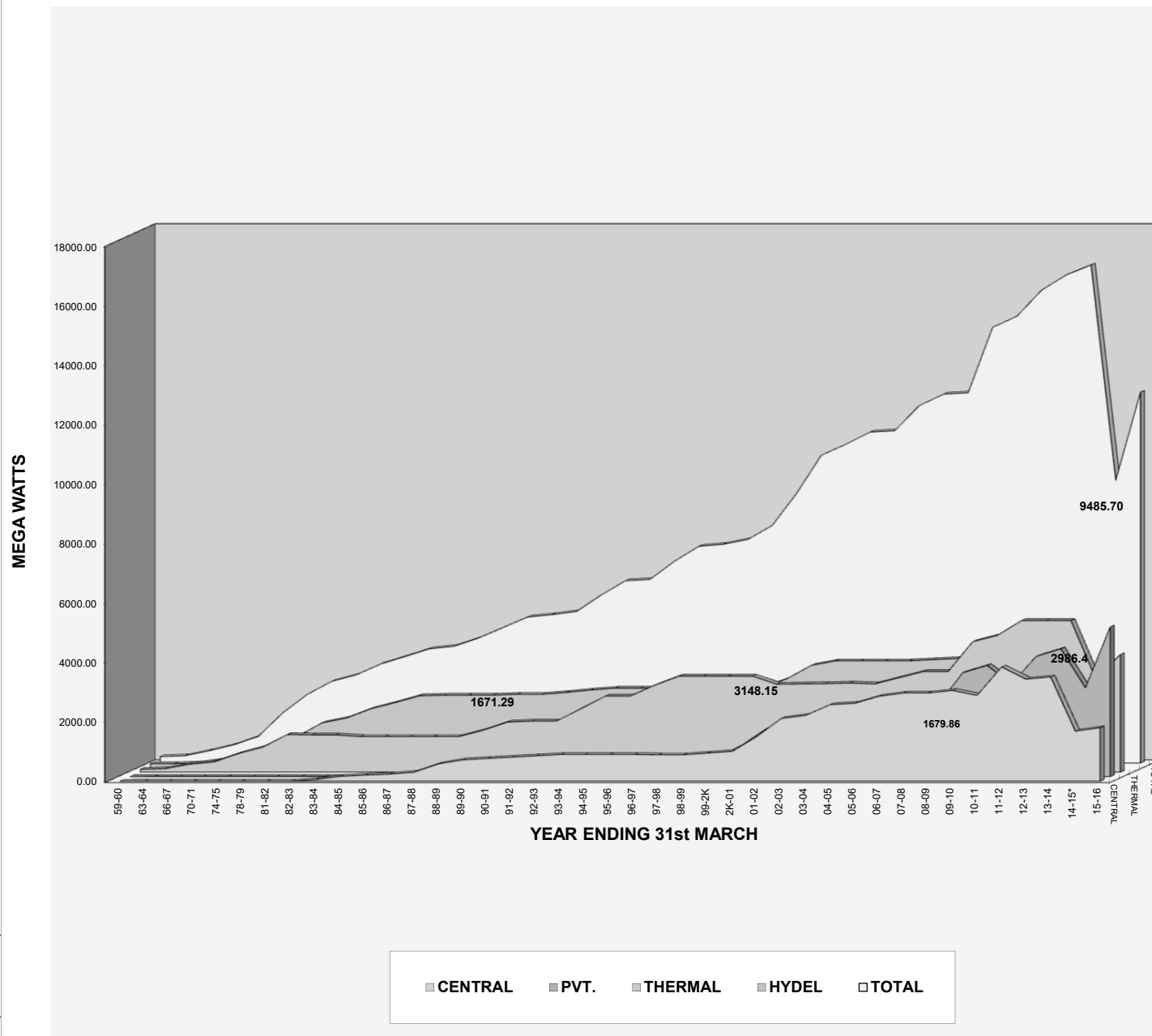
| YEAR  | CAPACITY (MW) | DEMAND (MW) | Load Factor |
|-------|---------------|-------------|-------------|
| 74-75 | 888           | 706         | 61.00       |
| 78-79 | 1678          | 1060        | 66.81       |
| 81-82 | 2298          | 1570        | 62.83       |
| 82-83 | 2736          | 1733        | 65.64       |
| 83-84 | 2955          | 1743        | 69.25       |
| 84-85 | 3318          | 2158        | 66.39       |
| 85-86 | 3568          | 2404        | 66.14       |
| 86-87 | 3829          | 2665        | 67.32       |
| 87-88 | 3914          | 2752        | 64.29       |
| 88-89 | 4192          | 3026        | 63.73       |
| 89-90 | 4542          | 3070        | 69.71       |
| 90-91 | 4893          | 3465        | 69.22       |
| 91-92 | 4973          | 3703        | 71.79       |
| 92-93 | 5080          | 3916        | 73.53       |
| 93-94 | 5626          | 4170        | 74.00       |
| 94-95 | 6111          | 4434        | 77.18       |
| 95-96 | 6155          | 4576        | 76.92       |
| 96-97 | 6764          | 5022        | 76.51       |
| 97-98 | 7276          | 5742        | 75.89       |
| 98-99 | 7333          | 6480        | 71.54       |
| 99-2k | 7502          | 6684        | 77.93       |
| 2K-01 | 7974          | 7143        | 74.70       |
| 01-02 | 9056          | 7029        | 76.25       |
| 02-03 | 10329         | 6895        | 79.36       |
| 03-04 | 10696         | 7441        | 72.58       |
| 04-05 | 11106         | 7613        | 76.75       |
| 05-06 | 11151         | 8239        | 72.61       |
| 06-07 | 11996         | 8641        | 76.55       |
| 07-08 | 12382         | 9162        | 77.21       |
| 08-09 | 12427         | 9997        | 77.22       |
| 09-10 | 14625         | 10880       | 78.54       |
| 10-11 | 15003         | 11829       | 75.18       |
| 11-12 | 15876         | 11972       | 81.65       |
| 12-13 | 16389         | 11630       | 81.60       |
| 13-14 | 16717         | 13162       | 76.49       |
| 14-15 | 9486          | 6784        | 82.08       |
| 15-16 | 12444         | 7391        | 89.60       |



| YEAR   | HYDEL   | THERMAL | CENTRAL | PVT<br>&OTHER<br>S. | TOTAL    |
|--------|---------|---------|---------|---------------------|----------|
| 59-60  | 124.00  | 89.00   | --      |                     | 213.00   |
| 63-64  | 126.00  | 114.00  | --      |                     | 240.00   |
| 66-67  | 151.60  | 259.00  | --      |                     | 410.60   |
| 70-71  | 271.60  | 337.00  | --      |                     | 608.60   |
| 74-75  | 271.60  | 620.00  | --      |                     | 891.60   |
| 78-79  | 841.60  | 840.00  | --      |                     | 1681.60  |
| 81-82  | 1043.20 | 1260.00 | --      |                     | 2303.20  |
| 82-83  | 1494.80 | 1247.50 | --      |                     | 2742.30  |
| 83-84  | 1659.80 | 1247.50 | 54.00   |                     | 2961.30  |
| 84-85  | 1971.40 | 1192.50 | 162.00  |                     | 3325.90  |
| 85-86  | 2182.42 | 1192.50 | 202.00  |                     | 3576.92  |
| 86-87  | 2411.42 | 1192.50 | 234.00  |                     | 3837.92  |
| 87-88  | 2431.21 | 1192.50 | 299.00  |                     | 3922.71  |
| 88-89  | 2431.21 | 1192.50 | 577.00  |                     | 4200.71  |
| 89-90  | 2431.21 | 1402.50 | 717.00  |                     | 4550.71  |
| 90-91  | 2461.21 | 1678.50 | 762.00  |                     | 4901.71  |
| 91-92  | 2462.21 | 1712.50 | 807.00  |                     | 4981.71  |
| 92-93  | 2524.21 | 1712.50 | 852.00  |                     | 5088.71  |
| 93-94  | 2605.21 | 2132.50 | 897.00  |                     | 5634.71  |
| 94-95  | 2667.21 | 2552.50 | 897.00  | 2.93                | 6119.64  |
| 95-96  | 2668.21 | 2552.50 | 897.00  | 45.60               | 6163.31  |
| 96-97  | 2668.21 | 2914.50 | 897.00  | 290.44              | 6770.15  |
| 97-98  | 2668.21 | 3224.50 | 885.00  | 495.14              | 7272.85  |
| 98-99  | 2668.21 | 3224.50 | 885.00  | 563.64              | 7341.35  |
| 99-2K  | 2683.21 | 3224.50 | 942.50  | 654.10              | 7504.31  |
| 2K-01  | 2684.21 | 3224.50 | 1000.00 | 1065.20             | 7973.91  |
| 01-02  | 2984.21 | 2952.50 | 1500.00 | 1619.19             | 9055.90  |
| 02-03  | 3434.21 | 2962.50 | 2106.25 | 1825.89             | 10328.85 |
| 03-04  | 3586.36 | 2972.50 | 2212.50 | 1924.22             | 10695.58 |
| 04-05  | 3586.36 | 2992.50 | 2571.00 | 1955.85             | 11105.71 |
| 05-06  | 3586.36 | 2962.50 | 2616.94 | 1985.39             | 11151.19 |
| 06-07  | 3586.36 | 3172.50 | 2854.69 | 2382.76             | 11996.31 |
| 07-08  | 3627.36 | 3382.50 | 2963.22 | 2408.51             | 12381.59 |
| 08-09  | 3666.36 | 3382.50 | 2963.22 | 2415.17             | 12427.25 |
| 09-10  | 3705.36 | 4382.50 | 3048.54 | 3489.12             | 14625.52 |
| 10-11  | 3792.36 | 4592.50 | 2882.68 | 3735.50             | 15003.04 |
| 11-12  | 3829.50 | 5092.50 | 3837.95 | 3116.54             | 15876.49 |
| 12-13  | 3829.36 | 5092.50 | 3428.97 | 4038.47             | 16389.30 |
| 13-14  | 3829.36 | 5092.50 | 3501.40 | 4294.07             | 16717.33 |
| 14-15* | 1671.29 | 3148.15 | 1679.86 | 2986.40             | 9485.70  |
| 15-16  | 1671.29 | 3948.15 | 1795.95 | 5028.16             | 12443.55 |

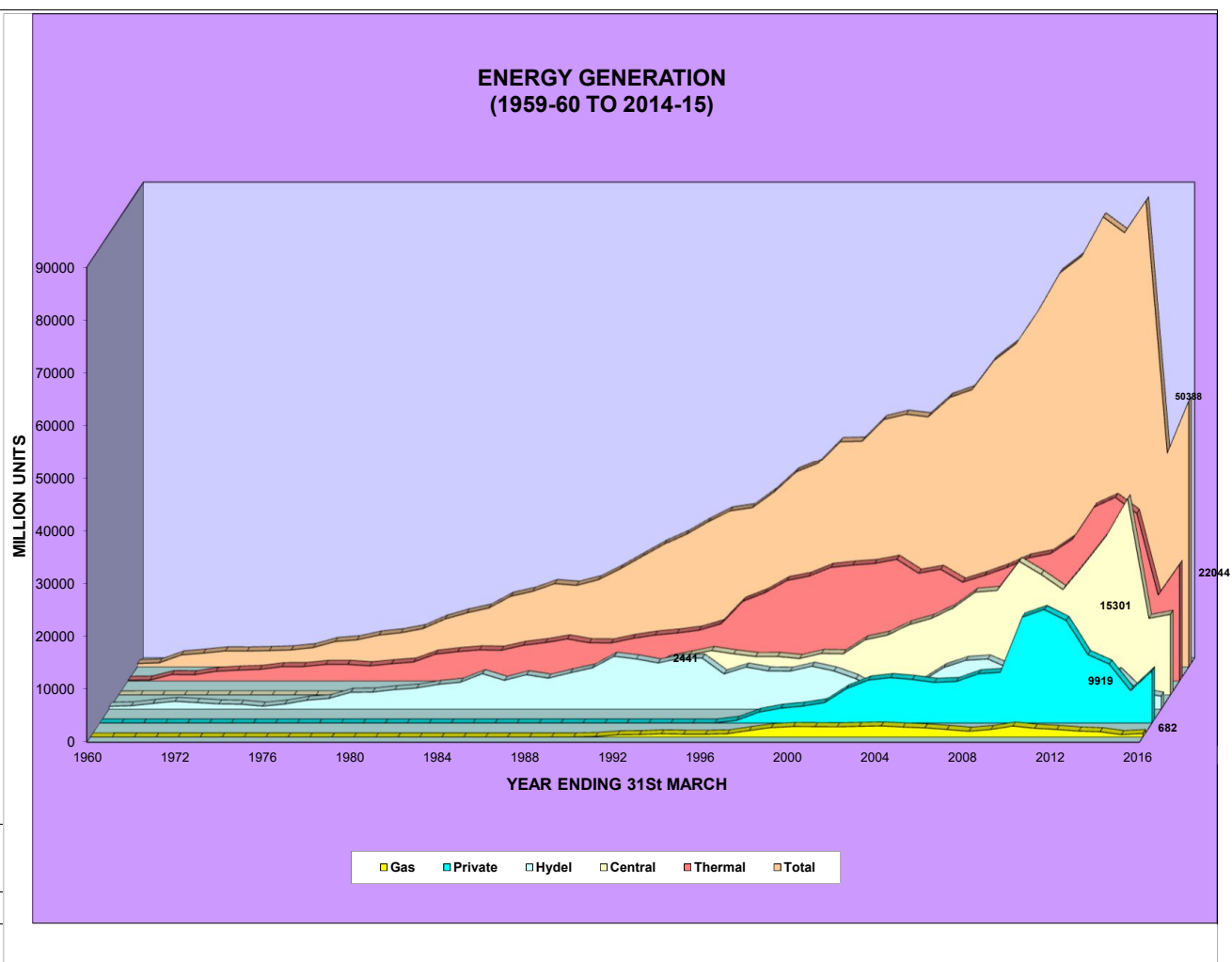
\* Figures indicate for residual AP

## PROGRESS IN INSTALLED CAPACITY (MW) (1960-2016)



| Year  | Hydel | Thermal | Gas  | Pvt.  | Central & Other States | Total |
|-------|-------|---------|------|-------|------------------------|-------|
| 1960  | 505   | 123     | -    | -     | -                      | 628   |
| 1961  | 610   | 174     | -    | -     | -                      | 784   |
| 1969  | 1059  | 1218    | -    | -     | -                      | 2277  |
| 1970  | 1460  | 1164    | -    | -     | -                      | 2624  |
| 1972  | 1221  | 1824    | -    | -     | -                      | 3045  |
| 1973  | 974   | 2053    | -    | -     | -                      | 3027  |
| 1974  | 910   | 2196    | -    | -     | -                      | 3106  |
| 1975  | 533   | 2709    | -    | -     | -                      | 3242  |
| 1976  | 941   | 2729    | -    | -     | -                      | 3670  |
| 1977  | 1680  | 3145    | -    | -     | -                      | 4825  |
| 1978  | 2002  | 3146    | -    | -     | -                      | 5148  |
| 1979  | 3180  | 2875    | -    | -     | -                      | 6055  |
| 1980  | 3225  | 3268    | -    | -     | -                      | 6493  |
| 1981  | 3680  | 3596    | -    | -     | -                      | 7276  |
| 1982  | 3984  | 5093    | -    | -     | -                      | 9077  |
| 1983  | 4684  | 5562    | -    | -     | -                      | 10246 |
| 1984  | 5092  | 5909    | -    | -     | 173                    | 11174 |
| 1985  | 6716  | 5835    | -    | -     | 834                    | 13385 |
| 1986  | 5453  | 6772    | -    | -     | 2095                   | 14320 |
| 1987  | 6517  | 7282    | -    | -     | 1979                   | 15778 |
| 1988  | 5865  | 7985    | -    | -     | 1605                   | 15455 |
| 1989  | 6878  | 7263    | -    | -     | 2376                   | 16517 |
| 1990  | 7802  | 7222    | 25   | -     | 3550                   | 18599 |
| 1991  | 10017 | 8102    | 109  | -     | 2725                   | 20953 |
| 1992  | 9516  | 8726    | 425  | -     | 4595                   | 23262 |
| 1993  | 8758  | 9114    | 473  | -     | 6748                   | 25093 |
| 1994  | 9633  | 9639    | 616  | -     | 7612                   | 27500 |
| 1995  | 9687  | 10842   | 552  | -     | 8449                   | 29530 |
| 1996  | 6662  | 15103   | 540  | -     | 7814                   | 30119 |
| 1997  | 7970  | 16720   | 627  | 505   | 7308                   | 33130 |
| 1998  | 7245  | 19019   | 1249 | 2055  | 7321                   | 36889 |
| 1999  | 7189  | 19834   | 1799 | 2820  | 6921                   | 38563 |
| 2000  | 8132  | 21499   | 2006 | 3217  | 7897                   | 42751 |
| 2001  | 7232  | 21934   | 1978 | 3869  | 7831                   | 42844 |
| 2002  | 5757  | 22245   | 1951 | 6514  | 10484                  | 46951 |
| 2003  | 3337  | 23033   | 2030 | 8169  | 11369                  | 47937 |
| 2004  | 2941  | 20401   | 2109 | 8636  | 13356                  | 47444 |
| 2005  | 5267  | 21145   | 1908 | 8280  | 14522                  | 51123 |
| 2006  | 7873  | 18718   | 1753 | 7730  | 16501                  | 52575 |
| 2007  | 9247  | 19994   | 1445 | 7897  | 19487                  | 58070 |
| 2008  | 9510  | 21452   | 1101 | 9360  | 19822                  | 61245 |
| 2009  | 7703  | 23294   | 1441 | 9633  | 25316                  | 67387 |
| 2010  | 5450  | 24101   | 2087 | 20122 | 22851                  | 74612 |
| 2011  | 7718  | 26846   | 1681 | 21534 | 19986                  | 77764 |
| 2012  | 6376  | 32893   | 1448 | 19490 | 24953                  | 85160 |
| 2013  | 3207  | 34730   | 1140 | 13018 | 30104                  | 82198 |
| 2014  | 7143  | 31706   | 1016 | 11205 | 37120                  | 88191 |
| 2015* | 3177  | 16285   | 467  | 6145  | 14553                  | 40627 |
| 2016  | 2441  | 22044   | 682  | 9919  | 15301                  | 50388 |

\* Figures indicate for residual AP



## **7. TRANSMISSION & DISTRIBUTION**

**7.00 COMMISSIONING DATES OF E.H.T. SUB STATIONS**

| Sl.No                     | NAME OF THE SS/ DISTRICT       | VOLTAGE<br>in KV | TR. CAPACITY<br>(NO. X MVA) | TOTAL<br>MVA | Date of<br>Commissioning             |
|---------------------------|--------------------------------|------------------|-----------------------------|--------------|--------------------------------------|
| <b>400 KV SUBSTATIONS</b> |                                |                  |                             |              |                                      |
| 1                         | NARNOOR (KURNOOL)              | 400/220          | 2 x 315                     | 630          | 06-03-2001                           |
| 2                         | KALPAKA (VIZAG)                | 400/220          | 3 x 315                     | 945          | 27-01-2002                           |
| 3                         | VEMAGIRI (EAST GODAVARI)       | 400/220          | 2 x315                      | 630          | 27-09-2005                           |
| 4                         | NELLORE(Manubolu)              | 400/220          | 3 x 315                     | 945          | 18-12-2005                           |
|                           |                                | 220/132          | 2X100                       | 200          | 31-01-2016(3rd 315mva)<br>24-10-2009 |
| 5                         | CHITTOOR                       | 400/220          | 2 x 315                     | 630          | 17-2-2006                            |
| 6                         | NARASARAOPET (Sattenapally)    | 400/220          | 2x315                       | 630          | 31/03/2014                           |
| <b>TOTAL MVA</b>          |                                |                  |                             | <b>4610</b>  |                                      |
| <b>220 KV SUBSTATIONS</b> |                                |                  |                             |              |                                      |
| <b>SRIKAKULAM</b>         |                                |                  |                             |              |                                      |
| 1                         | TEKKALI                        | 220/132          | 2x100                       | 200          | 31-12-2007                           |
|                           |                                | 132/33           | 1x31.5+1 x 15               | 46.50        | 28-12-1983                           |
| <b>VIZIANAGARAM</b>       |                                |                  |                             |              |                                      |
| 2                         | 1.GARIVIDI                     | 220/132          | 1x160+2 x 100               | 360.00       | 5-3-1992                             |
|                           |                                | 132/33           | 2x31.5                      | 63.00        |                                      |
| 3                         | 2.Appayadorapalem Swtn.Station | **               | **                          |              | 15/10/2015                           |
| 4                         | 3.Bobbili Growth Center        | 220/132          | 1x100                       | 100.00       | 13/11/2015                           |
| <b>VISAKHAPATNAM</b>      |                                |                  |                             |              |                                      |
| 5                         | 1.GAJUWAKA                     | 220/132          | 2 X 160+1x100               | 420.00       | 26-07-1968                           |
|                           |                                | 132/33           | 1 X 31.5                    | 31.50        |                                      |
|                           |                                |                  | 1x50                        | 50.00        |                                      |
| 6                         | 2.VISAKHAPATNAM                | 220              | SW. STN.                    | -            | 20-06-1991                           |
| 7                         | 3.PENDURTHY (Vizag-II)         | 220/132          | 1x160+2 x 100               |              | 30-03-1993/23-12-2009                |
|                           |                                | 132/33           | 1x31.5                      | 391.50       |                                      |
| 8                         | 4. DAIRY FARM                  | 220/132          | 2X100                       | 200.00       | 18-11-2002                           |
|                           |                                | 132/33           | 1 x 31.5+1x50               | 81.50        |                                      |
| 9                         | 5. PARWADA                     | 220/132          | 2X100                       | 200.00       | 29.03.2004/18-3-2010                 |
|                           |                                | 132/33           | 3x31.5                      | 94.50        |                                      |
| 10                        | 6.BRANDIX (Achutapuram)        | 220/132          | 2X100                       | 200.00       | 21-11-2007                           |
|                           |                                | 132/33           | 2x50+1x16                   | 116.00       | 19-06-2008                           |
| 11                        | 7.GANGAVARAM(PORT)             | 220/33           | 2 x 31.5                    | 63.00        | 11-12-2008                           |
|                           |                                | 220/132          | 1x100                       | 100.00       | 21/03/2016                           |
| <b>EAST GODAVARI</b>      |                                |                  |                             |              |                                      |
| 12                        | 1.BOMMURU                      | 220/132          | 1x160+2 X 100               | 360.00       | 14-08-1976                           |
|                           |                                | 132/33           | 2X31.5+2X25                 | 113.00       |                                      |
| 13                        | 2. KAKINADA                    | 220/132          | 3X100                       | 300.00       | 25-09-1997                           |
|                           |                                | 132/33           | 1x80+1X50                   | 130.00       |                                      |
| 14                        | 3.PEDDAPURAM                   | 220/132          | 2x100                       | 200.00       | 29-09-2001<br>/ 31-3-2008            |
| 15                        | 4.RAMPACHODAVARAM              | 220/33           | 1X50+1x31.5                 | 81.50        | 29-05-2003                           |
| <b>WEST GODAVARI</b>      |                                |                  |                             |              |                                      |
| 16                        | 1.BHIMADOLE                    | 220/132          | 3 X 100                     | 300.00       | 13-01-1990                           |
|                           |                                |                  | 1X50                        |              |                                      |
|                           |                                | 132/33           | 1X31.5+1x16                 | 97.50        |                                      |
| 17                        | 2.NIDADAVOLU                   | 220/132          | 3 X 100                     | 300.00       | 07-03-1999                           |
| 18                        | 3.BHIMAVARAM (UNDI)            | 220/132          | 2X100                       | 200.00       | 02-02-2007                           |
|                           |                                | 132/33           | 1x31.5+1x15                 | 46.50        |                                      |
| 19                        | 4.KAMAVARAPUKOTA               | 220/132          | 2X100                       | 200.00       | 28-03-2007                           |
| 20                        | 5.Pattiseema LIS Sub-Station   | 220/11           | 1x60                        | 60.00        | 11/08/15                             |
| <b>KRISHNA</b>            |                                |                  |                             |              |                                      |
| 21                        | 1.GUNADALA (VJW)               | 220/132          | 3 X 100                     | 300.00       | 1970-1971                            |
|                           |                                | 132/ 33          | 3x 50                       | 150.00       |                                      |
| 22                        | 2.KONDAPALLY (VJW)             | 220/132          | 2 X 100                     | 200.00       | 30-09-1989                           |
|                           |                                | 132/ 33          | 3x31.5                      | 94.50        | 27-04-2013                           |
| 23                        | 3.NUNNA                        | 220/132          | 2X100                       | 200.00       | 20-01-1992/29-03-2010                |
|                           |                                | 132/ 33          | 1x31.5+1x50                 | 81.50        |                                      |
| 24                        | 4.CHILLAKALLU                  | 220/132          | 3 X 100                     | 300.00       | 12-03-1997/15-02-2010                |
|                           |                                | 132/33           | 3 X 31.5                    | 94.50        |                                      |
| 25                        | 5. VTS (KRISHNA)               | 220/33           | 1 X 25                      | 25           | 27-04-2004                           |
| 26                        | 6. GUDIVADA (KRISHNA)          | 220/132          | 3 X 100                     | 300.00       | 22-10-2004                           |
|                           |                                | 132/33           | 1x31.5+1 X 16               | 47.50        | 29-03-2006                           |

**7.00 COMMISSIONING DATES OF E.H.T. SUB STATIONS**

| Sl.No             | NAME OF THE SS/ DISTRICT | VOLTAGE<br>in KV | TR. CAPACITY<br>(NO. X MVA) | TOTAL<br>MVA | Date of<br>Commissioning                  |
|-------------------|--------------------------|------------------|-----------------------------|--------------|-------------------------------------------|
| <b>GUNTUR</b>     |                          |                  |                             |              |                                           |
| 27                | 1.GUNTUR (TADIKONDA)     | 220/132          | 1x160+3 X 100               | 460.00       | 31-03-1992                                |
|                   |                          | 132/33           | 1x50+1x31.5                 | 81.50        |                                           |
| 28                | 2.TALLAPALLI             | 220              | SW. STN.                    | -            | 17-07-1985                                |
| 29                | 3.RENTACHINTALA          | 220/132          | 1X100                       | 100.00       | 24-11-2008                                |
| 30                | 4.NARASARAOPET           | 220/132          | 2X100                       | 200.00       | 03-11-2009/<br>25-01-2010                 |
|                   |                          | 132/33           | 2X31.5                      | 63.00        | 02-02-2003                                |
| <b>PRAKASHAM</b>  |                          |                  |                             |              |                                           |
| 31                | 1.ONGOLE                 | 220/132          | 1x160+2x100                 | 360.00       | 21-8-1980                                 |
|                   |                          | 132/33           | 2X31.5                      | 63.00        | 17-7-2009                                 |
| 32                | 2.PODILI                 | 220/33           | 2x31.5                      | 63.00        | 30-03-1994<br>(Sw.St)/<br>24-10-2005(SS)  |
|                   |                          | 132/33           | 1x100                       | 100.00       | 7/22/2014                                 |
| 33                | 3.MARKAPUR               | 220/132          | 2 X 100                     | 200.00       | 26-08-2001                                |
|                   |                          | 132/33           | 47.5                        | 47.50        | 6-1-2006                                  |
| 34                | 4.PARCHUR                | 220/132          | 2x100                       | 200.00       | 17-05-2010                                |
|                   |                          | 132/33           | 2X16                        | 32.00        | 23-08-1999                                |
| <b>NELLORE</b>    |                          |                  |                             |              |                                           |
| 35                | 1.NELLORE                | 220/132          | 2x160+1 X 100               | 420.00       | 11-12-76                                  |
|                   |                          | 132/ 33          | 2x50                        | 100.00       |                                           |
| 36                | 2.SULLURPET              | 220/132          | 2 X 100                     | 200.00       | 01-05-82                                  |
|                   |                          | 132/ 33          | 2 x 31.5                    | 63.00        |                                           |
| <b>CHITTOOR</b>   |                          |                  |                             |              |                                           |
| 37                | 1.CHITTOOR               | 220/132          | 3X 100                      | 300.00       | 21-06-70                                  |
|                   |                          | 132/33           | 3 x 50                      | 150.00       |                                           |
| 38                | 2.KALIKIRI               | 220/132          | 3 X100                      | 300.00       | 14-08-91                                  |
|                   |                          | 132/33           | 2 x 31.5+1x16               | 79.00        |                                           |
| 39                | 3.RENIGUNTA              | 220/132          | 3 X100                      | 300.00       | 25-11-95                                  |
|                   |                          | 132/33           | 1x31.5+1 X 16               | 47.50        |                                           |
| 40                | 4.PALAMANERU             | 220/132          | 2x100                       | 200.00       | 22-10-2011                                |
|                   |                          | 132/33           | 1x50                        | 50.00        | 22-10-2011                                |
| 41                | 5.NAGIRI                 | 220/132          | 2x100                       |              | 15-10-2012                                |
|                   |                          | 132/33           | 1x31.5+1x16                 | 247.50       | (30-3-1994)                               |
| 42                | 6.RACHAGUNNERI           | 220/132          | 2x100                       | 200.00       | 03-01-2014<br><b>25-11-2015 (2nd PTR)</b> |
| 43                | 7.THIMMAPURAM LIS        | 220/132          | 1X100                       | 100.00       | 16/12/2015                                |
|                   |                          | 132/33           | 1X31.5                      | 31.50        |                                           |
| <b>ANANTHAPUR</b> |                          |                  |                             |              |                                           |
| 44                | 1.GOOTY                  | 220/132          | 1x160+1x 100                | 260.00       | 20-08-75                                  |
|                   |                          | 132/33           | 1x31.5+1x16                 | 47.50        |                                           |
| 45                | 2.GOOTY                  | 220              | SW. STN                     | -            | 20-05-91                                  |
| 46                | 3.ANANTAPUR              | 220/132          | 3 X 100                     | 300.00       | 31-03-95                                  |
|                   |                          | 132/33           | 2x50+2x16                   | 132.00       |                                           |
| 47                | 4.HINDUPUR               | 220/132          | 3X 100                      | 300.00       | 29-03-93                                  |
|                   |                          | 132/33           | 3 x 50                      | 150.00       |                                           |
| 48                | 5.RAMAGIRI               | 220/33           | 1X50+1x31.5                 | 81.5         | 17-10-95                                  |
| 49                | 6.TADIPATHRI             | 220/132          | 2x100                       | 200.00       | 29-7-2002                                 |
|                   |                          | 132/33           | 2x50                        | 100          |                                           |
| 50                | 7.KALYANDURG             | 220/132          | 2x100                       | 200          | 21-07-2007                                |
|                   |                          | 132/33           | 2X50                        | 100          | 29-12-1986                                |
| 51                | 8.BOYAREDDYPALLI         |                  | SW.STN                      |              | 21-01-2008                                |
| 52                | 9.REGULAPADU(LIS)        | 220/11           | 2X25                        | 50           | 07-06-2011                                |
| 53                | 10.RTSS (Gooty)          | 220/132          | SW. STN                     |              | 30-3-2012                                 |
| 54                | 11.YELLANUR LIS          | 220/11           | 1x50                        | 50           | 27-3-2014                                 |
| <b>KADAPA</b>     |                          |                  |                             |              |                                           |
| 55                | 1.KADAPA                 | 220/132          | 3 X 100                     | 300.00       | 24-05-70                                  |
|                   |                          | 132/33           | 2x50                        | 100.00       |                                           |
| 56                | 2.CHINAKAMPALLY          | 220/132          | 1x100                       | 100.00       | 19-01-86                                  |
| 57                | 3.MYDUKUR                | 220/33           | 1X50+1x31.5                 | 81.50        | 31-03-92                                  |
| 58                | 4.RAJAMPETA              | 220/33           | 2 X 31.5                    | 63.00        | 28-03-93                                  |
|                   |                          | 220/132          | 1x100                       | 100.00       |                                           |

**7.00 COMMISSIONING DATES OF E.H.T. SUB STATIONS**

| Sl.No          | NAME OF THE SS/ DISTRICT | VOLTAGE<br>in KV | TR. CAPACITY<br>(NO. X MVA) | TOTAL<br>MVA | Date of<br>Commissioning |
|----------------|--------------------------|------------------|-----------------------------|--------------|--------------------------|
| 59             | 5.YERRAGUNTLA            | 220/132          | 3 X 100                     | 300.00       | 24-10-93                 |
|                |                          | 132/33           | 2x31.5                      | 63.00        |                          |
| 60             | 6.KODURU                 | 220/33           | 2 X 31.5                    | 63.00        | 15-06-97                 |
| 61             | 7.PULIVENDULA            | 220/132          | 2X100                       | 200.00       | 19-11-2009               |
|                |                          | 132/33           | 2x16                        | 32.00        | 3/9/2011                 |
| 62             | 8.THIMMAPURAM            | 220/11           | 1x50                        | 50.00        | 3/7/2012                 |
| 63             | 9.KONDAPURAM             | 220/132          | 2x100                       | 200.00       | 13/8/2012                |
| <b>KURNOOL</b> |                          |                  |                             |              |                          |
| 64             | 1.SRISAILAM              | 220/33           | 1 X 100                     | 100.00       | 1969-70                  |
| 65             | 2.A.P CARBIDES           | 220/132          | 1x160                       | 160.00       | 19-03-89                 |
|                |                          | 220/132          | 2x100                       | 200.00       |                          |
|                |                          | 132/33           | 1x31.5+1x16                 | 47.50        |                          |
| 66             | 3.SOMAYAJULAPALLI        | 220              | Sw.Stn                      | -            | 28-03-95                 |
| 67             | 4.NANDYALA               | 220/132          | 2 X 100                     | 200.00       | 31-03-95                 |
|                |                          | 132/33           | 2X50                        | 100.00       |                          |
| 68             | 5.BRAHMANAKOTKUR(LIS)    | 220/11           | 2x25                        | 50.00        | 29-10-2010               |
| 69             | 6.MALYALE(LIS)           | 220/11           | 1X31.5                      | 31.50        | 06-01-2011               |
| 70             | 7.DHONE(LIS)             |                  | SW.STN                      |              | 28-07-2011               |
| 71             | 8.KHAMBALPADU(LIS)       | 220/11           | 2X25                        | 50.00        | 30-08-2011               |
| 72             | 9.LAKKASAGARAM(LIS)      | 220/11           | 2X25                        | 50.00        | 12-10-2011               |
| 73             | 10.KRISHNAGIRI(LIS)      | 220/11           | 2X25                        | 50.00        | 22-10-2011               |
| 74             | 11.SETTIPALLY(LIS)       | 220/11           | 2X25                        | 50.00        | 18-11-2011               |
| 75             | 12.NANSURULLA(LIS)       | 220/11           | 2X25                        | 50.00        | 18-11-2011               |

**7.00 COMMISSIONING DATES OF E.H.T. SUB STATIONS**

| Sl.No                     | NAME OF THE SS/ DISTRICT                   | VOLTAGE<br>in KV | TR. CAPACITY<br>(NO. X MVA) | TOTAL<br>MVA | COMMISSIONING/<br>COMPLETION |
|---------------------------|--------------------------------------------|------------------|-----------------------------|--------------|------------------------------|
| <b>132kV Sub-Stations</b> |                                            |                  |                             |              |                              |
|                           | <b>SRIKAKULAM</b>                          |                  |                             |              |                              |
| 1                         | 1.CHILAKAPALEM (Srikakulam)                | 132/33           | 1x50+1x31.5                 | 81.50        | 8-12-1989                    |
| 2                         | 2.PALASA                                   | 132/33           | 1x31.5+1 x 16               | 47.50        | 30-09-1993                   |
| 3                         | 3.PALAKONDA                                | 132/33           | 2X31.5                      | 63.00        | 31-03-1994                   |
| 4                         | 4.ICHAPURAM                                | 132/33           | 2 x 16                      | 32.00        | 31.12.2005                   |
| 5                         | 5.PATHAPATNAM                              | 132/33           | 2 x 16                      | 32.00        | 25.10.2006                   |
| 6                         | 6.PYDIBHEMAVARAM                           | 132/33           | 2X31.5                      | 63.00        | 18-06-2010                   |
| 7                         | 7.NARASANNAPET                             | 132/33           | 1X31.5                      | 31.50        | 29-6-2012                    |
| 8                         | 8.RAJAM                                    | 132/33           | 1X16                        | 16.00        | 7/2/2016                     |
|                           | <b>VIZIANAGARAM</b>                        |                  |                             |              |                              |
| 9                         | 1.T.B VARA                                 | 132/33           | 2 x 16                      | 32.00        | 23-11-1981                   |
| 10                        | 2.BOBBILI                                  | 132/33           | 2x31.5                      | 63.00        | 27-03-1987                   |
| 11                        | 3.VIZIANAGARAM(vontithadi)                 | 132/33           | 1 x50+1 x 31.5              | 81.50        | 31-03-1992                   |
| 12                        | 4.KOTHAVALASA                              | 132/33           | 1 x 16+1x31.5               | 47.50        | 29-08-1999                   |
| 13                        | 5. PARVATHIPURAM                           | 132/33           | 2x16                        | 32.00        | 20-12-2004                   |
|                           | <b>VISAKHAPATNAM</b>                       |                  |                             |              |                              |
| 14                        | 1.SIMHACHALAM                              | 132/33           | 3 x 16                      | 48.00        | Prior to                     |
|                           |                                            | 132/33           | 1 x 15                      | 15.00        | 1959-1960                    |
| 15                        | 2.C.F.L                                    | 132/11           | 2 x 30                      | 60.00        | 8-12-1966                    |
| 16                        | 3.COMMON POINT                             | 132/33           | 1 x 50+1 x 31.5             | 81.50        | 7-8-1987                     |
| 17                        | 4.KORUPROLU                                | 132/33           | 2x31.5                      | 63.00        | 19-10-1986                   |
| 18                        | 5.ARAKU                                    | 132/33           | 1 x15+1x16                  | 31.00        | 9-12-1982                    |
| 19                        | 6.VIZAG PORT                               | 132/33           | 2 x 31.5                    | 63.00        | 25-11-1990                   |
| 20                        | 7.NAWAL WHARF                              | 132/33           | 2 x 16                      | 32.00        | 29-01-1988                   |
| 21                        | 8.KASIMKOTA                                | 132/33           | 2 x 31.5                    | 63.00        | 27-10-1993                   |
| 22                        | 9.PAYAKARAOPETA                            | 132/33           | 1x31.5+1 x 16               | 47.50        | 14-10-1992                   |
| 23                        | 10.NAKKAVANIPALEM                          | 132/33           | 1x80+1 x 50                 | 130.00       | 30-12-1993                   |
| 24                        | 11.ANANDAPURAM                             | 132/33           | 3 x 16                      | 48.00        | 12-6-2002                    |
| 25                        | 12. DGNP                                   | 132              | Sw.St.                      | Sw.St.       | 19-12-2003                   |
| 26                        | 13. VSEZ                                   | 132/33           | 2x16                        | 32.00        | 03-06-2010                   |
| 27                        | 14.NARSIPATNAM                             | 132/33           | 2X10/16                     | 32.00        | 30/10/2015                   |
|                           | <b>EAST GODAVARI</b>                       |                  |                             |              |                              |
| 28                        | 1.PEDDAPURAM                               | 132/33           | 2 x 31.5                    | 63.00        | 1965-1966                    |
| 29                        | 2.RAMACHANDRAPURAM                         | 132/33           | 2 x 31.5                    | 63.00        | 18-09-1981                   |
|                           |                                            | 132/33           | 1 x 31.5                    | 31.50        |                              |
| 30                        | 3.AMALAPURAM                               | 132/33           | 1x50+1 x 31.5               | 81.50        | 11-7-1988                    |
| 31                        | 4.A.P PAPER MILLS (RJY)                    | 132/33           | 2 x 50                      | 100.00       | 1-1-1989                     |
| 32                        | 5.PRATHIPADU                               | 132/33           | 1 x 16+31.5                 | 47.50        | 31-03-1993                   |
|                           |                                            | 132/11           | 1x16                        | 16.00        |                              |
| 33                        | 6. RAZOLE                                  | 132/33           | 2 x31.5                     | 63.00        | 29-01-2001                   |
| 34                        | 7.RAJAGANARAM                              | 132/33           | 1X31.5+1x16                 | 47.50        | 25-09-2009                   |
| 35                        | 8.EDITHA                                   | 132/33           | 2X31.5                      | 63.00        | 30-07-2010                   |
| 36                        | 9.PITAPURAM                                | 132/33           | 1X31.5+1x16                 | 47.50        | 31/8/2013                    |
| 37                        | 10. KOTHAPETA                              | 132/33           | 1X31.5                      | 31.50        | 9/20/2013                    |
| 38                        | 11.PRATAPNAGAR                             | 132/33           | 1X31.5+1X16                 | 47.50        | 21-11-2013                   |
| 39                        | 12.RVK SWITCHING<br>STATION(33KV FEATURES) | 132/33           | 1X31.5                      | 31.50        | 1/7/2015                     |
| 40                        | 13.SILK ROAD SUGARS                        | 132/33           | 1X25                        | 25.00        | 9/12/2015                    |
|                           | <b>WEST GODAVARI</b>                       |                  |                             |              |                              |
| 41                        | 1.KAMAVARAPU KOTA                          | 132/33           | 2 x 31.5                    | 63.00        | 30-01-1981                   |
|                           |                                            | 132/11           | 1 x 15                      | 15.00        |                              |
| 42                        | 2.BHIMAVARAM                               | 132/33           | 1 x 50+1 x 31.5             | 81.50        | 11-1986                      |
| 43                        | 3.KOVVURU                                  | 132/33           | 1X31.5+1x16                 | 47.50        | 31-12-1990                   |
| 44                        | 4.TANUKU                                   | 132/33           | 1 x 31.5+2 x 25             | 81.50        | 13-10-1992                   |
| 45                        | 5.JANGAREDDYGUEDEM                         | 132/33           | 2 x 31.5+1x16               | 79.00        | 31-01-1993                   |
| 46                        | 6.PEDATADEPALLI                            | 132/33           | 1x50+2x31.5                 | 113.00       | 29-03-1993                   |
| 47                        | 7.ELURU                                    | 132/33           | 2x50                        | 100.00       | 08-12-1992                   |
| 48                        | 8.NARSAPURAM                               | 132/33           | 2x31.5                      | 63.00        | 29-09-1999                   |
| 49                        | 9.SAGGONDA                                 | 132/33           | 1x31.5+1 x 16               | 47.50        | 19-03-2004                   |
| 50                        | 10. CHINTALAPUDI                           | 132/33           | 2x31.5                      | 63.00        | 08-03-2005                   |
| 51                        | 11.NALLAJERLA                              | 132/33           | 1 x 31.5+1x25               | 56.50        | 29-12-2005                   |
| 52                        | 12.PEDAVEGI                                | 132/33           | 2x31.5                      | 63.00        | 10-03-2006                   |
| 53                        | 13.NIDAVOLU                                | 132/33           | 1X50                        | 50.00        | 30-11-1967                   |
| 54                        | 14. PENUGONDA                              | 132/33           | 2X16                        | 32.00        | 6/26/2014                    |
|                           | <b>KRISHNA</b>                             |                  |                             |              |                              |
| 55                        | 1.KANUMOLU                                 | 132/33           | 2x 31.5                     | 63.00        | 05-03-1978                   |
| 56                        | 2.PAMARRU                                  | 132/33           | 2 x 31.5                    | 63.00        | 05-04-1978                   |
| 57                        | 3.NUZIVEDU                                 | 132/33           | 3x50                        | 150.00       | 29-08-1978                   |

**7.00 COMMISSIONING DATES OF E.H.T. SUB STATIONS**

| Sl.No | NAME OF THE SS/ DISTRICT           | VOLTAGE<br>in KV | TR. CAPACITY<br>(NO. X MVA) | TOTAL<br>MVA | COMMISSIONING/<br>COMPLETION           |
|-------|------------------------------------|------------------|-----------------------------|--------------|----------------------------------------|
| 58    | 4.MACHILIPATNAM                    | 132/33           | 2 x 31.5                    | 63.00        | 17-12-1993                             |
| 59    | 5.VIJAYAWADA (VJW)                 | 132/33           | 2x50                        | 100.00       | 28-01-1994                             |
| 60    | 6.GANGOOR                          | 132/33           | 2x31.5                      | 63.00        | 30-12-2000                             |
| 61    | 7. BHAVANIPURAM                    | 132/6.6          | 2 x 10                      | 20.00        | 14-09-2003                             |
| 62    | 8. KHAMBAMPADU                     | 132/33           | 2 x 31.5                    | 63.00        | 08-07-2004                             |
| 63    | 9.NANDIGAMA                        | 132/33           | 1 x 31.5+1 x 16             | 47.50        | 09-08-2006                             |
| 64    | 10.AVANIGADDA                      | 132/33           | 2X16                        | 32.00        | 31-03-2010                             |
| 65    | 11.AUTO NAGAR                      | 132/33           | 2X31.5                      | 63.00        | 21/5/2013                              |
|       | <b>GUNTUR</b>                      |                  |                             |              |                                        |
| 66    | 1.GUNTUR                           | 132/33           | 3 x 50                      | 150.00       | 28-02-1977                             |
| 67    | 2.TADEPALLI                        | 132/33           | 2x31.5                      | 63.00        | Prior to                               |
|       |                                    | 132/33           | 1 x 15                      | 15.00        | 1959-1960                              |
| 68    | 3.BAPATLA                          | 132/33           | 1x31.5+1 x 16               | 47.50        | 29-11-1978                             |
| 69    | 4.MACHERLA                         | 132/33           | 2x50                        | 100.00       | 29-12-1975                             |
| 70    | 5.PIDUGURALLA                      | 132/33           | 2X31.5                      | 63.00        | 30-03-1984                             |
| 71    | 6.CHILAKALURIPETA                  | 132/33           | 2x50                        | 100.00       | 27-12-1987                             |
| 72    | 7.TENALI                           | 132/33           | 1x50+1X31.5                 | 81.50        | 20-08-1993                             |
| 73    | 8.REPALLE                          | 132/33           | 1x31.5+1X 16                | 47.50        | 30-12-1993                             |
| 74    | 9.VINUKONDA                        | 132/33           | 1x31.5+1X 16                | 47.50        | 30-08-1999                             |
| 75    | 10.NALLAPADU                       | 132/33           | 2X31.5                      | 63.00        | 17-08-2008                             |
| 76    | 11.MARRIPALEM                      | 132/33           | 2x31.5                      | 63.00        | 24-01-2009                             |
| 77    | 12.TANGEDA                         | 132/33           | 1X16                        | 16.00        | 26-08-2010<br>(28-12-2012)             |
| 78    | 13.KARAMPUDI                       | 132/33           | 2X31.5                      | 63.00        | 19-07-2010                             |
| 79    | 14. RENTAPALLA                     | 132/33           | 2X16                        | 32.00        | 27/6/2013                              |
| 80    | 15.GAJJANAGUNDLA                   | 132/33           | 1X31.5+1X16                 | 47.50        | 31/7/2013                              |
| 81    | <b>16.CHAKRAYAPALEM</b>            | <b>132/33</b>    | <b>2X16</b>                 | <b>32.00</b> | <b>28/03/2016</b>                      |
|       | <b>PRAKASHAM</b>                   |                  |                             |              |                                        |
| 82    | 1.ONGOLE                           | 132/33           | 2X16                        | 32.00        | 1963-1964                              |
| 83    | 2.CUMBUM                           | 132/33           | 2 X 16+1x31.5               | 63.50        | 27-02-1974                             |
| 84    | 3.KANIGIRI                         | 132/33           | 2X31.5                      | 63.00        | 25-07-1990                             |
| 85    | 4.CHIRALA                          | 132/33           | 1 X31.5+2X16                | 63.50        | 13-06-1993                             |
| 86    | 5.ERRAGONDAPALEM                   | 132/33           | 1x50+1X31.5                 | 81.50        | 31-03-1994                             |
| 87    | 6. KANDUKUR                        | 132/33           | 1x31.5+1 X 16               | 47.50        | 29-05-1996                             |
| 88    | 7.GIDDALUR                         | 132/33           | 1x31.5+1X16                 | 47.50        | 13-08-1997                             |
| 89    | 8.MEDARAMETLA                      | 132/33           | 2x31.5                      | 63.00        | 19-03-2001                             |
|       |                                    | 132/11           | 1x16                        | 16.00        |                                        |
| 90    | 9.PEDDADORNALA                     | 132/33           | 2x16                        | 32.00        | 31-03-2008                             |
| 91    | 10.INKOLLU                         | 132/33           | Switching Stn               |              | 31-03-2008                             |
| 92    | 11.MARTUR                          | 132/33           | 2x31.5                      | 63.00        | 02-10-2008                             |
| 93    | 12.PAMURU                          | 132/33           | 1X31.5+1x16                 | 47.50        | 18-07-2010                             |
| 94    | 13.TANGUTURU                       | 132/33           | 1x16                        | 16.00        | 31-3-2012                              |
| 95    | 14.ADDANKI                         | 132/33           | 1X31.5+1x16                 | 47.50        | 11-01-2014                             |
| 96    | 15.LINGASAMUDRAM                   | 132/33           | 1X16                        | 16.00        | 25/09/2014                             |
| 97    | 16.DARSI                           | 132/33           | 1X31.5                      | 31.50        | 24/09/2014                             |
| 98    | <b>17.KESINENIPALLY</b>            | <b>132/33</b>    | <b>1X31.5+1X16</b>          | <b>47.50</b> | <b>23-06-2015</b><br><b>08-10-2015</b> |
|       | <b>NELLORE</b>                     |                  |                             |              |                                        |
| 99    | 1.NELLORE SOUTH<br>(NAVLAC GARDEN) | 132/33           | 2x31.5+1x50                 | 113.00       | 23-11-1981                             |
|       |                                    | 132/11           | 1 X 16                      | 16.00        |                                        |
| 100   | 2.VENKATAGIRI                      | 132/33           | 1x31.5+1 X 16               | 47.50        | 24-09-1992                             |
| 101   | 3.SRIHARIKOTA                      | 132/11           | 2 X 16                      | 32.00        | 18-11-1978                             |
| 102   | 4.GUDUR                            | 132/33-11        | 3 X 16+1x25                 | 73.00        | 10-7-1980                              |
| 103   | 5.ATMAKUR                          | 132/33           | 2x31.5                      | 63.00        | 19-02-1988                             |
| 104   | 6.KAVALI                           | 132/33           | 2x31.5                      | 63.00        | 22-12-1980                             |
| 105   | 7.CHENDODU                         | 132/33           | 2x31.5                      | 63.00        | 11-12-1991                             |
| 106   | 8.ALLURU                           | 132/33           | 1x16+1x31.5                 | 47.50        | 16-03-2001                             |
| 107   | 9.UDAYAGIRI                        | 132/33           | 3 X 16                      | 48.00        | 07-12-2001                             |
| 108   | 10. ADURUPALLI                     | 132/33           | 3 X 16                      | 48.00        | 9-10-2004                              |
| 109   | 11. BRAHMADEVAM                    | 132/33           | 1x16+1x31.5                 | 47.50        | 31-3-2005                              |
| 110   | 12.NAIDUPET                        | 132/33           | 2X31.5                      | 63.00        | 03-08-2005                             |
| 111   | 13.NTS                             | 132/33           | 2x16+1x31.5                 | 63.50        | 01-01-2006                             |
| 112   | 14.MENAKURU                        | 132/33           | 1X31.5                      | 31.50        | 21-12-2012                             |
|       | <b>CHITTOOR</b>                    |                  |                             |              |                                        |
| 113   | 1P.LAMANERU                        | 132/33           | 1x16+1x31.5                 | 47.50        | 24-10-1983                             |
| 114   | 2.PUTTUR                           | 132/33           | 2 X 31.5                    | 63.00        | 12-6-1982                              |
|       |                                    | 132/11           | 1 X16                       | 16.00        |                                        |

**7.00 COMMISSIONING DATES OF E.H.T. SUB STATIONS**

| Sl.No | NAME OF THE SS/ DISTRICT | VOLTAGE<br>in KV | TR. CAPACITY<br>(NO. X MVA) | TOTAL<br>MVA | COMMISSIONING/<br>COMPLETION |
|-------|--------------------------|------------------|-----------------------------|--------------|------------------------------|
| 115   | 3.TIRUPATHI              | 132/33           | 2x50                        | 100.00       | 12-11-1986                   |
|       |                          | 132/11           | 1 X 16                      | 16.00        |                              |
| 116   | 4.PAKALA                 | 132/33           | 2x31.5                      | 63.00        | 4-2-1990                     |
| 117   | 5.SRIKALAHASTI           | 132/33           | 1x50+1x31.5                 | 81.50        | 31-03-1987                   |
| 118   | 6.MADANAPALLY            | 132/33           | 1x50+1 X 31.5               | 81.50        | 10-8-1986                    |
| 119   | 7.SHANTIPURAM            | 132/33           | 1x50+1X31.5                 | 81.50        | 04-01-1993                   |
| 120   | 8.KOTHAPALLI MITTA       | 132/33           | 2x50                        | 100.00       | 16-06-1997                   |
| 121   | 9.CHANDRAGIRI            | 132/33           | 1x31.5+1x16                 | 47.50        | 8-11-1998                    |
| 122   | 10.BURAKAYALAKOTA        | 132/33           | 2x31.5                      | 63.00        | 27-03-1999                   |
| 123   | 11.ROMPICHERLA           | 132/33           | 1x31.5+1 X 16               | 47.50        | 06-07-1999                   |
| 124   | 12. KUPPAM               | 132/33           | 1x50+1x31.5                 | 81.50        | 24-08-2000                   |
| 125   | 13.PUNGANURU             | 132/33           | 1x50+1X31.5                 | 81.50        | 19-03-2001                   |
| 126   | 14.GURRAMKONDA           | 132/33           | 1x31.5+1X16                 | 47.50        | 26-11-2005                   |
| 127   | 15.NAGALAPURAM           | 132/33           | 1x31.5+1X16                 | 47.50        | 29.3.2007(TC)                |
| 128   | 16.IRALA                 | 132/33           | 2X16                        | 32.00        | 02-12-2009                   |
| 129   | 17.SOMALA                | 132/33           | 1x31.5+1X16                 | 47.50        | 31-3-2012                    |
| 130   | 18.TIRUMALA              | 132/33           | 1X16                        | 16.00        | 31-3-2012                    |
| 131   | 19.CHERVI                | 132/33           | 1x31.5+1X16                 | 47.50        | 16/09/2015                   |
| 132   | 20.SIVARAMPURAM LIS SS   | 132/33           | 2X31.5                      | 63.00        | 4/3/2016                     |
| 133   | 21.B.KOTHAKOTA           | 132/33           | 1X16                        | 16.00        | 26/03/2016                   |
|       | ANANTHAPUR               |                  |                             |              |                              |
| 134   | 1.DHARMAVARAM            | 132/33           | 2x31.5+2X16                 | 95.00        | 10-11-1970                   |
| 135   | 2.JAMMALABANDA           | 132/33           | 2X31.5                      | 63.00        | 30-09-1994                   |
| 136   | 3.PUTTAPARTHY            | 132/33           | 2x31.5                      | 63.00        | 22-11-1993                   |
| 137   | 4.KADIRI                 | 132/33           | 1x50+1X31.5                 | 81.50        | 02-07-1984                   |
| 138   | 5.GUNTAKAL               | 132/33           | 1x31.5+1 x 16               | 47.50        | 31-03-1988                   |
| 139   | 6.RAYADURG               | 132/33           | 1x50+1X31.5                 | 81.50        | 30-07-1998                   |
| 140   | 7.KOMATIKUNTA            | 132/33           | 2x31.5                      | 63.00        | 26-07-2003                   |
| 141   | 8.URAVAKONDA             | 132/33           | 1x31.5+1x16                 | 47.50        | 29-11-2007                   |
| 142   | 9.THUMKUNTA              | 132/33           | 1X31.5+1X50                 | 81.50        | 26-12-2010                   |
| 143   | 10.ANKAMPALLY(LIS)       | 132/11           | 3X16                        | 48.00        | 16-03-2011                   |
| 144   | 11.KOMALI (Sw Stn)       | 132/33           |                             |              | 7/12/2012                    |
| 145   | 12.THANAKALLU            | 132/33           | 2X16                        | 32.00        | 21/12/2013                   |
| 146   | 13.OBULAPURAM            | 132/33           | 1X31.5                      | 31.50        | 3/12/2015                    |
|       | 12.KADAPA                |                  |                             |              |                              |
| 147   | 1.BADWEL                 | 132/33           | 3 x 16                      | 48.00        | 10-07-1993                   |
| 148   | 2.PULIVENDULA            | 132/33           | 2 x 31.5                    | 63.00        | 29-12-1986                   |
| 149   | 3.PRODDUTUR              | 132/33           | 1 x 31.5+1x16               | 47.50        | 17-09-1989                   |
| 150   | 4.RAYACHOTI              | 132/33           | 2 x 31.5                    | 63.00        | 31-03-1992                   |
| 151   | 5.VONTIMITTA             | 132/33           | 2 x 16                      | 32.00        | 05-07-2000                   |
| 152   | 6.BALAPANUR              | 132/33           | 1x31.5+1 x 16               | 47.50        | 26-10-2000                   |
| 153   | 7.THIMMAYAGARIPALLI      | 132/33           | 2 x 16                      | 32.00        | 12-04-2001                   |
| 154   | 8.JAMMALAMADUGU          | 132/33           | 2 x 16                      | 32.00        | 28-03-2005                   |
| 155   | 9. VEMPALLI              | 132/33           | 2x31.5                      | 63.00        | 31-03-2005                   |
| 156   | 10.PORUMAMILLA           | 132/33           | 2x31.5                      | 63.00        | 22-10-2005                   |
| 157   | 11.KONDAPURAM            | 132/33           | 1x31.5+1x16                 | 47.50        | 30-3-2008                    |
| 158   | 12.MOOLAVANKA            | 132/33           | 1 x 31.5+1 x 16             | 47.50        | 20-02-2009                   |
| 159   | 13.SAMBEPALLE            | 132/33           | 2X16                        | 32.00        | 04-06-2011                   |
| 160   | 14.RTSS KADAPA           |                  | SWT.STN                     |              | 12-11-2010                   |
| 161   | 15.RTSS MUDDANUR         |                  | SWT.STN                     |              | 2/9/2011                     |
| 162   | 16.GANDIKOTA (GKLIS)     | 132/11           | 2x25                        | 50.00        | 24-11-2011                   |
| 163   | 17.LINGALA               | 132/33           | 1x16                        | 16.00        | 30-1-2012                    |
| 164   | 18.DUVVUR                | 132/33           | 1 x 31.5+1 x 16             | 47.50        | 26/08/2015                   |
|       | 13.KURNOOL               |                  |                             |              |                              |
| 165   | 1.KURNOOL                | 132/33           | 1 x 31.5+1 x 16             | 47.50        | 18-04-1970                   |
|       |                          | 132/11           | 1 x 16                      | 16.00        |                              |
| 166   | 2.CEMENT NAGAR           | 132/33           | 2 x 16                      | 32.00        | 22-05-1981                   |
| 167   | 3.ALLAGADDA              | 132/33           | 2 x 31.5                    | 63.00        | 29-12-1994                   |
| 168   | 4.ADONI                  | 132/33           | 2 x 31.5+1x16               | 79.00        | 21-11-1978                   |
|       |                          | 132/11           | 1 x 16                      | 16.00        |                              |
| 169   | 5.DHONE                  | 132/33           | 2 x 31.5                    | 63.00        | 24-06-1993                   |
| 170   | 6.ATMAKUR                | 132/33           | 2x 16                       | 32.00        | 13-03-1994                   |
| 171   | 7.YEMMIGANUR             | 132/33           | 1x50+1 x 31.5               | 81.50        | 24-05-1996                   |
| 172   | 8.PATHIKONDA             | 132/33           | 1 x 31.5+1 x 16             | 47.50        | 30-12-1998                   |
| 173   | 9. GUDUR                 | 132/33           | 2 x 16                      | 32.00        | 22-03-2004                   |
| 174   | 10.AKKIREDDYPALLI        | 132/33           | 2x50                        | 100.00       | 29-11-2005                   |
| 175   | 11.BANAGANAPALLI         | 132/33           | 3 x 16                      | 48.00        | 31-03-2006                   |
| 176   | 12.NANDIKOTKUR           | 132/33           | 2 x 16                      | 32.00        | 26-12-2008                   |
| 177   | 13.SRISAILAM             | 132/33           | 1X16                        | 16.00        | 30-10-2009                   |
| 178   | 14.RACHARLA              | 132/33           | 1X16                        | 16.00        | 31-3-2010                    |
| 179   | 15.ANKIREDDYPALLI        | 132/33           | 2X16                        | 32.00        | 07-03-2010                   |
| 180   | 16.MUDIGEDU              | 132/33           | 31.5                        | 31.50        | 3/29/2014                    |
| 181   | 17.ALURU                 | 132/33           | 1X31.5                      | 31.50        | 25/01/2016                   |

| 7.1 EHV SUB-STATIONS COMMISSIONED DURING 2015-16   |                                                                                                                     |                         |                           |                       |                                    |
|----------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|-------------------------|---------------------------|-----------------------|------------------------------------|
| Sl.No.                                             | Name of the substation                                                                                              | Transf. Capacity in MVA | Effective Capacity in MVA | Voltage Ratio in KV   | Date of completion / Commissioning |
| <b>400 kV SUBSTATIONS COMPLETED / COMMISSIONED</b> |                                                                                                                     |                         |                           |                       |                                    |
| 1                                                  | NIL                                                                                                                 |                         |                           |                       |                                    |
| <b>220 kV SUBSTATIONS COMPLETED / COMMISSIONED</b> |                                                                                                                     |                         |                           |                       |                                    |
| 1                                                  | 220kV Appayadorapalem (ADR Palem) in (Switching station) in Vizianagaram district                                   |                         |                           |                       | 15-10-15                           |
| 2                                                  | 220/11 kV LIS substation at Pattiseema in West Godavari district                                                    | 60                      | 60                        | 220/11                | 08-11-15                           |
| 3                                                  | 220/132 kV SS Bobbili Growth Center in Vizianagaram district                                                        | 1X100                   | 100                       | 220/132               | 13-11-15                           |
| 4                                                  | 220/132/33kV LIS substation Thimmapuram in Chittoor district                                                        | 1X100+1X31.5            | 131.5                     | 220/132kV<br>132/33kV | 16-12-15                           |
| 5                                                  | Erection of 132 Kv Features at 220 KV Gangavaram port SS                                                            | 1x100                   | 100                       | 220/132               | 21-03-16                           |
|                                                    | <b>Total 220 KV</b>                                                                                                 |                         | <b>391.5</b>              | <b>MVA</b>            |                                    |
| <b>132 kV SUBSTATIONS COMPLETED / COMMISSIONED</b> |                                                                                                                     |                         |                           |                       |                                    |
| Sl.No.                                             | Name of the substation                                                                                              | Transf. Capacity in MVA | Effective Capacity in MVA | Voltage Ratio in KV   | Date of completion / Commissioning |
| 1                                                  | 132/33kV SS at Kesinenipally in Prakasam dist                                                                       | 1X31.5+1X10/16          | 47.5                      | 132/33                | 23-06-15                           |
| 2                                                  | 33kV features at 132kV RVK Switching Station in East Godavari district                                              | 1X31.5                  | 31.5                      | 132/33                | 01-07-15                           |
| 3                                                  | 132/33kV SS at Duvvur in YSR Kadapa district                                                                        | 1X31.5+1X10/16          | 47.5                      | 132/33                | 26-08-15                           |
| 4                                                  | 132/33kV SS at Cherivi in Chittoor district                                                                         | 1X31.5+1X10/16          | 47.5                      | 132/33                | 16-09-15                           |
| 5                                                  | 132kV SS at Narsipatnam in Visakhapatnam district                                                                   | 2X10/16                 | 32                        | 132/33                | 30-10-15                           |
| 6                                                  | 132/33kV SS Obulapuram in YSR Kadapa dist                                                                           | 1X31.5                  | 31.5                      | 132/33                | 03-12-15                           |
| 7                                                  | Up-gradation of 132kV Silk Road Sugars Switching station to 132/33kV SS Silk Road at Kakinada in East Godavari dist | 1X25                    | 25                        | 132/33                | 09-12-15                           |
| 8                                                  | 132/33kV SS Aluru in Kurnool district                                                                               | 1X31.5                  | 31.5                      | 132/33                | 25-01-16                           |
| 9                                                  | 132/33kV SS Rajam in Srikakulam dist                                                                                | 1X16                    | 16                        | 132/33                | 07-02-16                           |
| 10                                                 | 132/33kV LIS SS at Sivarampuram in Chittoor district                                                                | 2X31.5                  | 63                        | 132/33                | 04-03-16                           |
| 11                                                 | 132/33kV LIS SS at B.Kothakota in Chittoor district                                                                 | 1X16                    | 16                        | 132/33                | 26-03-16                           |
| 12                                                 | 132/33kV SS Chakrayapalem in Guntur dist                                                                            | 2X16                    | 32                        | 132/33                | 28-03-16                           |
|                                                    | <b>Total 132kV</b>                                                                                                  |                         | <b>421</b>                | <b>MVA</b>            |                                    |

**7.2 33/11 KV SUB-STATIONS COMMISSIONED DURING THE YEAR 2015-16**

| Sl.No        | Discom/<br>District | Name of the 33/11 KV<br>Sub-Station | Funding<br>Agency | Power Transformer<br>Capacity<br>(in MVA) | Date of Commissioned |
|--------------|---------------------|-------------------------------------|-------------------|-------------------------------------------|----------------------|
| <b>EPDCL</b> |                     |                                     |                   |                                           |                      |
| 1            | Srikakulam          | Akkupalli                           | T&D               | 1x5                                       | 17-Aug-15            |
| 2            | Srikakulam          | Kothapalli                          | T&D               | 1x5                                       | 24-Dec-15            |
| 3            | Srikakulam          | Boddapadu                           | T&D               | 1x5                                       | 29-Dec-15            |
| 4            | Srikakulam          | Madanapuram                         | T&D               | 1x5                                       | 4-Mar-16             |
| 5            | Srikakulam          | Telukunchi                          | T&D               | 1x5                                       | 31-Mar-16            |
| 6            | Vizianagaram        | Mayuri Junction (Thotapalem)        | T&D               | 1x5                                       | 9-Sep-15             |
| 7            | Vizianagaram        | Konuru                              | T&D               | 1x5                                       | 12-Sep-15            |
| 8            | Vizianagaram        | Tallaburidi                         | T&D               | 1x5                                       | 2-Nov-15             |
| 9            | Vizianagaram        | P.K.Palavalasa                      | T&D               | 1x5                                       | 15-Dec-15            |
| 10           | Vizianagaram        | Nemalam                             | T&D               | 1x5                                       | 26-Dec-15            |
| 11           | Vizianagaram        | Double colony<br>(Padmavathinagar)  | T&D               | 1x5                                       | 27-Jan-16            |
| 12           | Vizianagaram        | G.N.Peta                            | T&D               | 1x5                                       | 4-Feb-16             |
| 13           | Vizianagaram        | Kondavelagada                       | T&D               | 1x5                                       | 1-Mar-16             |
| 14           | Visakhapatnam       | Anthakapalli                        | T&D               | 1x5                                       | 3-Jun-15             |
| 15           | Visakhapatnam       | JNPC II                             | T&D               | 1x5                                       | 8-Sep-15             |
| 16           | Visakhapatnam       | K.Venkatapuram                      | T&D               | 1x5                                       | 28-Sep-15            |
| 17           | Visakhapatnam       | Chippada                            | T&D               | 1x5                                       | 23-Oct-15            |
| 18           | Visakhapatnam       | KEYS Indoor                         | T&D               | 1x8                                       | 1-Dec-15             |
| 19           | Visakhapatnam       | Tungalam                            | T&D               | 1x5                                       | 5-Dec-15             |
| 20           | Visakhapatnam       | Sivajipalem Indoor                  | T&D               | 1x8                                       | 14-Dec-15            |
| 21           | Visakhapatnam       | VIMS                                | T&D               | 2x5                                       | 31-Dec-15            |
| 22           | Visakhapatnam       | Anandapuram                         | T&D               | 1x5                                       | 31-Jan-16            |
| 23           | Visakhapatnam       | Karnavnipalem                       | T&D               | 1x5                                       | 26-Mar-16            |
| 24           | Visakhapatnam       | Mehar Nagar                         | T&D               | 1x5                                       | 31-Mar-16            |
| 25           | East Godavari       | Kambala Park                        | T&D               | 1x5                                       | 11-Apr-15            |
| 26           | East Godavari       | Venkateswara General Market         | T&D               | 1x5                                       | 29-Apr-15            |
| 27           | East Godavari       | Hukumpeta                           | T&D               | 1x5                                       | 25-May-15            |
| 28           | East Godavari       | Agricultural Market Yard            | T&D               | 1x5                                       | 13-Jun-15            |
| 29           | East Godavari       | Kotilingalapeta                     | T&D               | 1x5                                       | 23-Jun-15            |
| 30           | East Godavari       | River View                          | T&D               | 1x5                                       | 30-Jun-15            |
| 31           | East Godavari       | Kotipalli                           | T&D               | 1x5                                       | 15-Jul-15            |
| 32           | East Godavari       | Rajapudi                            | T&D               | 1x5                                       | 31-Aug-15            |
| 33           | East Godavari       | Yerravaram                          | T&D               | 1x5                                       | 27-Sep-15            |
| 34           | East Godavari       | Antharvedi                          | T&D               | 1x5                                       | 1-Oct-15             |
| 35           | East Godavari       | Penguduru                           | T&D               | 1x5                                       | 16-Oct-15            |
| 36           | East Godavari       | Uppalapadu                          | T&D               | 1x5                                       | 19-Oct-15            |
| 37           | East Godavari       | Karakuduru                          | T&D               | 1x5                                       | 21-Oct-15            |
| 38           | East Godavari       | Kajuluru                            | T&D               | 1x5                                       | 30-Nov-15            |
| 39           | East Godavari       | KE Chinnayypalem                    | T&D               | 1x5                                       | 25-Jan-16            |
| 40           | East Godavari       | Ubalanka                            | T&D               | 1x5                                       | 1-Feb-16             |
| 41           | East Godavari       | Kanavaram                           | T&D               | 1x5                                       | 25-Mar-16            |
| 42           | West Godavari       | Iyyavaram                           | T&D               | 1x5                                       | 11-Apr-15            |
| 43           | West Godavari       | Seetarampuram                       | T&D               | 1x5                                       | 7-May-15             |
| 44           | West Godavari       | Kodigudem                           | T&D               | 1x5                                       | 12-May-15            |
| 45           | West Godavari       | Kovvuru                             | T&D               | 1x5                                       | 15-Jun-15            |
| 46           | West Godavari       | Pushkarghat                         | T&D               | 1x5                                       | 27-Jun-15            |
| 47           | West Godavari       | Doddipatla                          | T&D               | 1x5                                       | 9-Jul-15             |
| 48           | West Godavari       | Avapadu (Prakasarao Palem)          | T&D               | 1x5                                       | 2-Sep-15             |
| 49           | West Godavari       | Bandivarigudem<br>(Appalarajugudem) | T&D               | 1x5                                       | 3-Sep-15             |
| 50           | West Godavari       | Chikkala                            | T&D               | 1x5                                       | 4-Sep-15             |

| Sl.No        | Discom/<br>District | Name of the 33/11 KV<br>Sub-Station | Funding<br>Agency | Power Transformer<br>Capacity<br>(in MVA) | Date of Commissioned |
|--------------|---------------------|-------------------------------------|-------------------|-------------------------------------------|----------------------|
| 51           | West Godavari       | Vedanthapuram                       | T&D               | 1x5                                       | 7-Sep-15             |
| 52           | West Godavari       | Kethavaram                          | T&D               | 1x5                                       | 9-Sep-15             |
| 53           | West Godavari       | Perugugudem                         | T&D               | 1x5                                       | 14-Sep-15            |
| 54           | West Godavari       | Jalapavrigudem                      | T&D               | 1x5                                       | 26-Sep-15            |
| 55           | West Godavari       | Velagalapalli                       | T&D               | 1x5                                       | 29-Sep-15            |
| 56           | West Godavari       | Tegalavancha                        | T&D               | 1x5                                       | 29-Sep-15            |
| 57           | West Godavari       | Veerabadravaram<br>(Velagapadu)     | T&D               | 1x5                                       | 30-Sep-15            |
| 58           | West Godavari       | Kasipadu                            | T&D               | 1x5                                       | 21-Oct-15            |
| 59           | West Godavari       | Yadavole                            | T&D               | 1x5                                       | 21-Oct-15            |
| 60           | West Godavari       | P.N Kolanu                          | T&D               | 1x5                                       | 31-Oct-15            |
| 61           | West Godavari       | Mulagalampalli                      | T&D               | 1x5                                       | 30-Nov-15            |
| 62           | West Godavari       | Sunkaravarithota (S.V.Thota)        | IPDS              | 1x5                                       | 30-Mar-16            |
| <b>SPDCL</b> |                     |                                     |                   |                                           |                      |
| 1            | Krishna             | Avanigadda                          | JICA III          | 1x5                                       | 27-Apr-15            |
| 2            | Krishna             | Airport<br>(Shifted to Kesarapalli) | JICA              | 1x8                                       | 13-May-15            |
| 3            | Krishna             | Brahmapuram                         | JICA              | 1x5                                       | 29-May-15            |
| 4            | Krishna             | Muralinagar                         | REC/NEF           | 1x8 + 1x5                                 | 17-Jul-15            |
| 5            | Krishna             | Kolavannue                          | REC/NEF           | 1X5                                       | 12-Aug-15            |
| 6            | Krishna             | Gudivada Town                       | RAPDRP<br>PART-B  | 1x5                                       | 12-Aug-15            |
| 7            | Krishna             | Bharathinagar                       | REC               | 2x8                                       | 21-Nov-15            |
| 8            | Guntur              | Bapatla town                        | RAPDRP<br>PART-B  | 1x5                                       | 30-Apr-15            |
| 9            | Prakasam            | Chavatapalem                        | REC/NEF           | 1X5                                       | 27-Apr-15            |
| 10           | Prakasam            | Venugamukkapalem (Milk<br>dairy)    | REC/NEF           | 1X5                                       | 29-May-15            |
| 11           | Prakasam            | Govrment Office compound            |                   |                                           | 12-Dec-15            |
| 12           | Prakasam            | Gundlapalli Growth Centre           | REC/NEF           | 1X5                                       | 30-May-15            |
| 13           | Kadapa              | Telugu Ganga Colony                 | REC/NEF           | 1x5                                       | 2-Nov-15             |
| 14           | Chittoor            | Siddamma Agraharam                  | T&D,REC           | 1x8                                       | 16-Dec-15            |
| 15           | Ananthapur          | Kadiri                              | REC/NEF           | 1X5                                       | 12-May-15            |
| 16           | Ananthapur          | Valasa                              | REC               | 1x5                                       | 2-Jul-15             |
| 17           | Ananthapur          | Sajjaladinne ss2                    | REC               | 1x5                                       | 11-Jul-15            |
| 18           | Ananthapur          | Budili                              | REC               | 1x5                                       | 30-Jul-15            |
| 19           | Ananthapur          | Kadavakallu                         | REC               | 1x5                                       | 3-Aug-15             |
| 20           | Ananthapur          | Yanumuladoddi                       | T&D               | 1x5                                       | 16-Aug-15            |
| 21           | Ananthapur          | Rachanapalli                        | REC               | 1x5                                       | 24-Aug-15            |
| 22           | Ananthapur          | Kottuvaripalli                      | REC               | 1x5                                       | 25-Aug-15            |
| 23           | Ananthapur          | Pothukunta                          | REC               | 1x5                                       | 5-Oct-15             |
| 24           | Kurnool             | Indl. Estate Adoni                  | REC/NEF           | 1X5                                       | 15-May-15            |
| 25           | Kurnool             | Srinivasanagar                      | REC/NEF           | 1X8                                       | 29-May-15            |
| 26           | Kurnool             | Virupapuram                         | REC/NEF           | 1X5                                       | 30-May-15            |
| 27           | Kurnool             | In Door                             | REC               | 1X8                                       | 3-Jun-15             |
| 28           | Kurnool             | 33/11KV Rollapadu                   | REC               | 1X5                                       | 17-Jun-15            |
| 29           | Kurnool             | 33/11 KV Daivamdinne                | REC               | 1X5                                       | 30-Jun-15            |
| 30           | Kurnool             | 33/11 KV Padakandla                 | REC               | 1X5                                       | 30-Jun-15            |
| 31           | Kurnool             | 33/11 KV ZP (Indoor)                | REC               | 1X8                                       | 7-Oct-15             |
| 32           | Kurnool             | 33/11 KV ZP Kanakadri Pili          | REC               | 1X5                                       | 7-Oct-15             |
| 33           | Kurnool             | 33/11 KV Osmania College<br>(Indor) | REC               | 1x8                                       | 31-Dec-15            |

No.of 33/11KV Sub-stations commissioned during 2015-16 upto 31-03-2016 : 95 Nos.

| <b>7.3 (A) 132 kV, 30 MVAR CAPACITOR BANKS / COMMISSIONED DURING 2015-16</b> |                                  |                  |      |                       |
|------------------------------------------------------------------------------|----------------------------------|------------------|------|-----------------------|
| Sl.No.                                                                       | Name of the Substation(District) | Capacity in MVAR | Make | Date of Commissioning |
|                                                                              |                                  |                  |      |                       |
|                                                                              | <b>NIL</b>                       |                  |      |                       |
|                                                                              |                                  |                  |      |                       |
|                                                                              |                                  |                  |      |                       |

| <b>7.3 (B) 33 kV, 5/10 MVAR CAPACITOR BANKS / COMMISSIONED DURING 2015-16</b> |                                   |                  |      |                       |
|-------------------------------------------------------------------------------|-----------------------------------|------------------|------|-----------------------|
| Sl.No.                                                                        | Name of the Substation(District)  | Capacity in MVAR | Make | Date of Commissioning |
| 1                                                                             | 220 KV SS ,Nandyal in Kurnool Dt  | 7.2              |      | 10/8/2015             |
| 2                                                                             | 220 KV SS Anantapur               | 7.2              | ABB  | 10/9/2015             |
| 3                                                                             | 132 KV SS Kadiri in Ananthapur Dt | 7.2              | ABB  | 12/16/2015            |

**7.3 -(C) 33kV SHUNT CAPACITOR BANKS  
COMMISSIONED  
YEAR WISE 1984-85 to 2014-15**

| Sl.No         | Year     | Capacitor Banks<br>Commissioned Nos | Capacity MVAR |
|---------------|----------|-------------------------------------|---------------|
| 1             | 1984-85  | 28                                  | 160           |
| 2             | 1985-86  | 2                                   | 10            |
| 3             | 1986-87  | 12                                  | 60            |
| 4             | 1987-88  | 10                                  | 50            |
| 5             | 1988-89  | 2                                   | 10            |
| 6             | 1989-90  | 24                                  | 120           |
| 7             | 1990-91  | 46                                  | 230           |
| 8             | 1991-92  | 22                                  | 125           |
| 9             | 1992-93  | 37                                  | 215           |
| 10            | 1993-94  | 58                                  | 315           |
| 11            | 1994-95  | 14                                  | 75            |
| 12            | 1995-96  | 16                                  | 130           |
| 13            | 1996-97  | 21                                  | 145           |
| 14            | 1997-98  | 43                                  | 245           |
| 15            | 1998-99  | 73                                  | 420           |
| 16            | 1999-2K  | 26                                  | 140           |
| 17            | 2000-01  | 28                                  | 145           |
| 18            | 2001-02  | 6                                   | 30            |
| 19            | 2002-03  | 11                                  | 55            |
| 20            | 2003-04  | 2                                   | 10            |
| 21            | 2004-05  | 7                                   | 35            |
| 22            | 2005-06  | 2                                   | 10            |
| 23            | 2006-07  | 32                                  | 160           |
| 24            | 2007-08  | 3                                   | 15            |
| 25            | 2008-09  | 1                                   | 5             |
| 26            | 2009-10  | 0                                   | 0             |
| 27            | 2010-11  | 0                                   | 0             |
| 28            | 2011-12  | 6                                   | 30            |
| 29            | 2012-13  | 5                                   | 31.6          |
| 30            | 2013-14  | 0                                   | 0             |
| 31            | 2014-15* | 0                                   | 0             |
| 32            | 2015-16  | 3                                   | 21.6          |
| * Residual AP |          |                                     |               |

| AUGMENTATION OF TRANSFORMER CAPACITY DURING 2015-16                |                              |               |                  |                  |                                          |                  |
|--------------------------------------------------------------------|------------------------------|---------------|------------------|------------------|------------------------------------------|------------------|
| Sl. No.                                                            | Name of the Sub-station      | District      | Existing (MVA)   | Augmented (MVA)  | Net increase Trans-former capacity (MVA) | Date of charging |
| <b>AUGMENTATION OF TRANSFORMER CAPACITY AT 400 KV SUB-STATIONS</b> |                              |               |                  |                  |                                          |                  |
| 1                                                                  | 400 kV Manubolu, Nellore     | Nellore       | 2 x315           | 3 x 315          | 315.00                                   | 1/31/2016        |
| <b>220 kV features at 400 kV Sub-stations</b>                      |                              |               |                  |                  |                                          |                  |
| 1                                                                  | 400 kV Manubolu, Nellore     | Nellore       | -                | 1x100            | 100.00                                   | 10-04-2015       |
| <b>TOTAL 1</b>                                                     |                              |               |                  |                  | <b>415.0</b>                             |                  |
| <b>AUGMENTATION OF TRANSFORMER CAPACITY AT 220 KV SUB-STATIONS</b> |                              |               |                  |                  |                                          |                  |
| 1                                                                  | 220 kV Hindupur              | Ananthapur    | 3x100            | 1x160+2x100      | 60.00                                    | 09-04-2015       |
| 2                                                                  | 220 kV Manubolu              | SPS Nellore   | 2x100            | 3x100            | 100.00                                   | 10-04-2015       |
| 3                                                                  | 220 kV Nandyala              | Kurnool       | 2x100            | 3x100            | 100.00                                   | 03-05-2015       |
| 4                                                                  | 220 kV Guduwada              | Krishna       | 3x100            | 1x160+2x100      | 60.00                                    | 16-07-2015       |
| 5                                                                  | 220 kV Palamaneru            | Chittoor      | 2x100            | 1x100+1x160      | 60.00                                    | 19-08-2015       |
| 6                                                                  | 220 kV Sullurpet             | SPS Nellore   | 2x100            | 3x100            | 100.00                                   | 14-09-2015       |
| 7                                                                  | 220 kV Markapur              | Prakasam      | 2x100            | 3x100            | 100.00                                   | 27-09-2015       |
| 8                                                                  | 220 kV Kalyandurg            | Ananthapur    | 2x100            | 3x100            | 100.00                                   | 02-11-2015       |
| 9                                                                  | 220 kV Kamavarapukota        | East Godavari | 2x100            | 3x100            | 100.00                                   | 21-11-2015       |
| 10                                                                 | 220 kV Narasaraopet          | Guntur        | 2x100            | 3x100            | 100.00                                   | 01-01-2016       |
| 11                                                                 | 220 kV Bhimadole             | West Godavari | 3x100            | 2x100+1x160      | 60.00                                    | 18-02-2016       |
| 12                                                                 | 220 kV Undi                  | West Godavari | 2x100            | 3x100            | 100.00                                   | 25-02-2016       |
| 13                                                                 | 220 KV Rachagunneri          | Chittoor      | 1 x 100          | 2 x100           | 100.00                                   | 11/25/2015       |
| <b>TOTAL 2</b>                                                     |                              |               |                  |                  | <b>1140.0</b>                            |                  |
| <b>220/132/33kV features at 220 kV Sub-stations</b>                |                              |               |                  |                  |                                          |                  |
| 1                                                                  | 220/132/33 kV Bommuru SS     | East Godavari | 2x31.5+2x25      | 1x50+1x31.5+2x25 | 18.50                                    | 17-05-2015       |
| 2                                                                  | 220/132/33 kV Bommuru SS     | East Godavari | 1x50+1x31.5+2x25 | 2x50+2x25        | 18.50                                    | 29-06-2015       |
| 3                                                                  | 220/132/33 kV Undi SS        | West Godavari | 1x31.5+1x15      | 2x31.5           | 16.50                                    | 04-08-2015       |
| 4                                                                  | 220/132/33 kV Nellore SS     | SPS Nellore   | 2x50             | 3x50             | 50.00                                    | 05-09-2015       |
| 5                                                                  | 220/132/33 kV Yerraguntla SS | Kadapa        | 2x31.5           | 2x31.5+1x16      | 16.00                                    | 02-10-2015       |
| 6                                                                  | 220/132/33 kV Gudivada SS    | Krishna       | 1x31.5+1x16      | 1x31.5+1x50      | 34.00                                    | 17-12-2015       |
| 7                                                                  | 220/132/33 kV Ananthapur SS  | Ananthapur    | 2x50+2x16        | 3x50+1x16        | 34.00                                    | 22-12-2015       |
| 8                                                                  | 220/132/33 kV Ongole SS      | Prakasam      | 2x31.5           | 1x50+1x31.5      | 18.50                                    | 1/28/2016        |
| 9                                                                  | 220/132/33 kV Dairy Farm SS  | Visakhapatnam | 1x50+1x31.5      | 2x50             | 18.50                                    | 2/1/2016         |
| <b>TOTAL 3</b>                                                     |                              |               |                  |                  | <b>224.5</b>                             |                  |
| <b>AUGMENTATION OF TRANSFORMER CAPACITY AT 132 KV SUB-STATIONS</b> |                              |               |                  |                  |                                          |                  |
| 1                                                                  | 132/33 kV SS Kovvur          | West Godavari | 1x31.5+1x16      | 2x31.5           | 15.50                                    | 15-04-2015       |
| 2                                                                  | 132/33 kV SS Kamavarapukota  | West Godavari | 2x31.5+1x16      | 3x31.5           | 16.50                                    | 21-04-2015       |

| AUGMENTATION OF TRANSFORMER CAPACITY DURING 2015-16 |                            |               |                |                  |                                          |                  |
|-----------------------------------------------------|----------------------------|---------------|----------------|------------------|------------------------------------------|------------------|
| Sl. No.                                             | Name of the Sub-station    | District      | Existing (MVA) | Augmented (MVA)  | Net increase Trans-former capacity (MVA) | Date of charging |
| 3                                                   | 132/33 kV SS Saggonda      | West Godavari | 1x31.5+1x10/16 | 2x31.5+1x16      | 15.50                                    | 24-04-2015       |
| 4                                                   | 132/33 kV SS Mallaiahpet   | East Godavari | 2x50           | 3x50             | 50.00                                    | 14-05-2015       |
| 5                                                   | 132/33 kV SS Nidadavole    | East Godavari | 2x25+1x50      | 1x25+2x50        | 25.00                                    | 09-06-2015       |
| 6                                                   | 132/33 kV SS Allagadda     | Kurnool       | 2x31.5         | 1x31.5+1x50      | 18.50                                    | 20-06-2015       |
| 7                                                   | 132/33 kV SS Uravakonda    | Ananthapur    | 1x31.5+1x16    | 2x31.5           | 15.50                                    | 27-06-2015       |
| 8                                                   | 132/33 kV SS Nidadavole    | East Godavari | 1x25+2x50      | 3x50             | 25.00                                    | 01-07-2015       |
| 9                                                   | 132/33 kV SS Bapatla       | Guntur        | 1x31.5+1x16    | 1x31.5+2x16      | 16.00                                    | 01-07-2015       |
| 10                                                  | 132/33 kV SS Kothapet      | West Godavari | 1x31.5         | 2x31.5           | 31.50                                    | 02-07-2015       |
| 11                                                  | 132/33 kV SS T.G.Palli     | Kadapa        | 2x10/16        | 3x10/16          | 16.00                                    | 04-07-2015       |
| 12                                                  | 132/33 kV SS Chinthalapudi | West Godavari | 2x31.5         | 1x31.5+1x50      | 18.50                                    | 10-07-2015       |
| 13                                                  | 132/33 kV SS Pamarru       | Krishna       | 2x31.5         | 1x31.5+1x50      | 18.50                                    | 8/3/2015         |
| 14                                                  | 132/33 kV SS Rayachoti     | YSR (Kadapa)  | 2x31.5         | 1x31.5+1x50      | 18.50                                    | 8/4/2015         |
| 15                                                  | 132/33 kV SS Rompicherla   | Chittoor      | 1x31.5+1x16    | 2x31.5           | 15.50                                    | 8/25/2015        |
| 16                                                  | 132/33 kV SS Nallajerla    | West Godavari | 1x31.5+1x25    | 1x31.5+1x50      | 25.00                                    | 9/11/2015        |
| 17                                                  | 132/33 kV SS Gurramkonda   | Chittoor      | 1x31.5+1x16    | 2x31.5           | 15.50                                    | 9/15/2015        |
| 18                                                  | 132/33 kV SS Bobbili       | VZNR          | 2x31.5         | 1x31.5+1x50      | 18.50                                    | 9/19/2015        |
| 19                                                  | 132/33 kV SS Peddapuram    | East Godavari | 2x31.5+1x15    | 3x31.5           | 16.50                                    | 9/19/2015        |
| 20                                                  | 132/33 kV SS Chirala       | Prakasam      | 2x16+1x31.5    | 2x31.5+1x16      | 15.50                                    | 9/24/2015        |
| 21                                                  | 132/33 kV SS Puttapurthy   | Ananthapur    | 2x31.5         | 1x31.5+1x50      | 18.50                                    | 10/20/2015       |
| 22                                                  | 132/33 kV SS Rajanagaram   | East Godavari | 1x31.5+1x16    | 2x31.5           | 15.50                                    | 10/31/2015       |
| 23                                                  | 132/33 kV SS Simhachalam   | Visakhapatnam | 4x16           | 5x16             | 16.00                                    | 11/19/2015       |
| 24                                                  | 132/33 kV SS Giddalur      | Prakasam      | 1x31.5+1x16    | 2x31.5           | 15.50                                    | 11/28/2015       |
| 25                                                  | 132 kV SS Jangareddy gudem | East Godavari | 2x31.5+1x16    | 2x31.5+1x50      | 34.00                                    | 12/2/2015        |
| 26                                                  | 132 kV SS Kavali           | Nellore       | 2x31.5         | 1x31.5+1x50      | 18.50                                    | 12/11/2015       |
| 27                                                  | 132 kV SS Moolavanka       | Kadapa        | 1x31.5+1x16    | 1x31.5+2x16      | 16.00                                    | 12/22/2015       |
| 28                                                  | 132 kV SS Jammalamadugu    | Kadapa        | 2x16           | 1x31.5+1x16      | 15.50                                    | 12/24/2015       |
| 29                                                  | 132/33 kV SS Tadipathri    | Prakasam      | 2x50           | 2x50+1x31.5      | 31.50                                    | 12/31/2015       |
| 30                                                  | 132/33 kV SS Kadiri        | Ananthapur    | 1x50+1x31.5    | 2x50             | 18.50                                    | 12/31/2015       |
| 31                                                  | 132/33 kV SS Koruprolu     | Visakhapatnam | 2x31.5         | 1x50+1x31.5      | 18.50                                    | 1/7/2016         |
| 32                                                  | 132/33 kV SS Anandapuram   | Visakhapatnam | 3x16           | 1x31.5+2x16      | 15.50                                    | 1/21/2016        |
| 33                                                  | 132/33 kV SS Tanuku        | West Godavari | 1x31.5+2x25    | 1x50+1x31.5+1x25 | 25.00                                    | 1/26/2016        |
| 34                                                  | 132/33 kV SS Thumukunta    | Ananthapur    | 2x50           | 3x50             | 50.00                                    | 01.02.2016       |
| 35                                                  | 132/33 kV SS Kandukur      | Prakasam      | 1x31.5+1x15    | 1x50+1x31.5      | 35.00                                    | 19.02.2016       |
| 36                                                  | 132/33 kV SS Alluru        | Kurnool       | 1x31.5+1x16    | 2x31.5           | 15.50                                    | 21.02.2016       |
| 37                                                  | 132 kv SS VSEZ             | Visakhapatnam | 1x31.5+1x16    | 2x31.5           | 15.50                                    | 21.03.2016       |
| 38                                                  | 132 KV Kesineni Palli      | Prakasam      | 1 x 16         | 2 x 16           | 16.00                                    | 10/8/2015        |
| TOTAL 4                                             |                            |               |                |                  | 797.50                                   |                  |
| TOTAL 132 kV,220 kV & 400 kV                        |                            |               |                |                  | 2577.00                                  | MVA              |

| 7.5 SUBSTATIONS (DISTRICT WISE) AS ON 31-03-2016 |                      |                     |        |        |       |       |
|--------------------------------------------------|----------------------|---------------------|--------|--------|-------|-------|
| S.No.                                            | Name of the District | No. of Sub-stations |        |        |       |       |
|                                                  |                      | 400 kV              | 220 kV | 132 kV | 33 kV | Total |
| APEPDCL                                          |                      |                     |        |        |       |       |
| 1.                                               | Srikakulam           | 0                   | 1      | 8      | 88    | 97    |
| 2.                                               | Vizianagaram         | 0                   | 3      | 5      | 91    | 99    |
| 3.                                               | Visakhapatnam        | 1                   | 7      | 14     | 156   | 178   |
| 4.                                               | East Godavari        | 1                   | 4      | 13     | 161   | 179   |
| 5.                                               | West Godavari        | 0                   | 5      | 14     | 220   | 239   |
| Total for EPDCL                                  |                      | 2                   | 20     | 54     | 716   | 792   |
| APSPDCL                                          |                      |                     |        |        |       |       |
| 6.                                               | Krishna              | 0                   | 6      | 11     | 222   | 239   |
| 7.                                               | Guntur               | 1                   | 4      | 16     | 229   | 250   |
| 8.                                               | Prakasam             | 0                   | 4      | 17     | 240   | 261   |
| 9.                                               | Nellore              | 1                   | 2      | 14     | 241   | 258   |
| 10.                                              | Chittoor             | 1                   | 7      | 21     | 359   | 388   |
| 11.                                              | Kadapa               | 0                   | 9      | 19     | 271   | 299   |
| 12.                                              | Anantapur            | 0                   | 11     | 12     | 237   | 260   |
| 13.                                              | Kurnool              | 1                   | 12     | 17     | 213   | 243   |
| SPDCL                                            |                      | 4                   | 55     | 127    | 2012  | 2198  |
| Total for Andhra Pradesh                         |                      | 6                   | 75     | 181    | 2728  | 2990  |

| 7.6 EHV TRANSMISSION LINES COMPLETED/COMMISSIONED DURING 2015-16 |                                                                                                                                          |                 |                    |                       |                                             |
|------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|-----------------|--------------------|-----------------------|---------------------------------------------|
| Sl. No.                                                          | Name of the line                                                                                                                         | No. of Circuits | Route Length in KM | Length circuit in CKM | Date of completion/ Commissioning           |
| <b>400kV lines</b>                                               |                                                                                                                                          |                 |                    |                       |                                             |
| 1                                                                | 400 KV QMDC line from Krishnapatnam TPP (APGENCO) to Bonapally                                                                           | 2               | 89.921             | 179.84                | I st Ckt 17-07-2015<br>IIInd Ckt 22-07-2015 |
| 2                                                                | 400 KV Line from Purushottampatnam(Nunna) to Jujjuru line                                                                                | 2               | 54.976             | 109.95                | I st Ckt 12-10-2015<br>IIInd Ckt 26-10-2015 |
|                                                                  | <b>TOTAL</b>                                                                                                                             |                 | <b>144.90</b>      | <b>289.79</b>         |                                             |
| <b>220kV lines</b>                                               |                                                                                                                                          |                 |                    |                       |                                             |
| 1                                                                | 220kV DC Line from Pallantla substation to 200/11 kV LIS Substation at Pattiseema in East Godavari district                              | 2               | 30                 | 60.00                 | I Ckt:06-11-2015<br>IIInd Ckt:07-11-2015    |
| 2                                                                | 200kV Appayyadorapalem - Bobbili S/C line in Vizianagaram dt                                                                             | 1               | 84                 | 84.00                 | 12.11.2015                                  |
| 3                                                                | 220 kV LILO from 220kV Kalikiri - CK Palli line to 220kV Thimmapuram LIS SS in Chittoor district                                         | 1               | 1.11               | 2.23                  | 16.12.2015                                  |
| 4                                                                | 220kV DC Line from 220kV SS Pulivendula to 220kV Hindupur in Kaapa & Ananthpur districts                                                 | 2               | 126.45             | 252.90                | 12.02.2016                                  |
| 5                                                                | 220 kV 2 nd ckt stringing on existing 220 kv DC/SC Line from 400/220 kv SS Mahadevamangalam to 220 kV SS Palamaneru in chittoor district | 1               | 57.11              | 57.11                 | 01.03.2016                                  |
|                                                                  | <b>TOTAL</b>                                                                                                                             |                 |                    | <b>456.24</b>         |                                             |
| <b>132kv lines</b>                                               |                                                                                                                                          |                 |                    |                       |                                             |
| 1                                                                | 132 kV Markapuram - Kesinenipally DC/SC line in Prakasam district                                                                        | 1               | 18.15              | 18.15                 | 30.05.2015                                  |
| 2                                                                | 132 kV LILO line from 220 kV SS Rachagunneri to tapping point of 2 nd circuit of 132 kV Srikalahasti - Venkatagiri Line                  | 1               | 13.00              | 13.00                 | 22.07.2015                                  |
| 3                                                                | 132 kV Duvvur-Proddatur DC/SC line in YSR Kadapa District                                                                                | 1               | 21.00              | 21.00                 | 26.08.2015                                  |
| 4                                                                | 132 kV DC/SC line from 220 kV Sullurpeta SS to Cherivi in Chittoor District                                                              | 1               | 30.00              | 30.00                 | 16.09.2015                                  |
| 5                                                                | 2nd Circuit Stringing on 132 kV Nidadavolu-Saggonda in W.G. Dt                                                                           | 1               | 35.00              | 35.00                 | 26.09.2015                                  |
| 6                                                                | 132 kV Undi-Tanaku Line to 132 kV Bhimavaram SS in W.G Dt                                                                                | 1               | 3.50               | 3.50                  | 26.09.2015                                  |
| 7                                                                | 132 kV Narsiptam - Koruprolu Line in Visakhapatnam Dt                                                                                    | 1               | 53.00              | 53.00                 | 30.10.2015                                  |
| 8                                                                | 132 kV DC/SC Line from 132/33 kV SS Rayadurg to 132 /33 kV Obulapuram SS in Ananthpur Dt                                                 | 1               | 41.00              | 41.00                 | 03.12.2015                                  |
| 9                                                                | 132 kV Pathikonda - Adoni LILO to 132/33 kV SS Aluru in Kurnool Dt                                                                       | 2               | 22.00              | 44.00                 | 25.01.2016                                  |
| 10                                                               | 2nd Circuit Stringing on 132 kV Tenali-Repalle DC/SC line up to tapping point in Guntur Dt                                               | 1               | 8.13               | 8.13                  | 03.02.2016                                  |
| 11                                                               | Tenali - Repalle Line to the Chakrayapallem in Guntur district                                                                           | 1               | 10.77              | 10.77                 | 03.02.2016                                  |
| 12                                                               | 132 kV DC/SC line from 220/132 kV SS Garividi to the 132/33 kV SS Rajam in Srikakulam dt                                                 | 1               | 18.50              | 18.50                 | 07.02.2016                                  |
| 13                                                               | 132 kV LILO to Sivapuram from Kalikiri - Rompicherla line in Chittoor District                                                           | 2               | 10.58              | 21.15                 | 04.03.2016                                  |
| 14                                                               | 132 kV DC/SC line from 132 kV SS Burrakayalakota to 132 kV SS B.Kothakota in Chittoor District                                           | 1               | 10.39              | 10.39                 |                                             |
|                                                                  | Total 132 kV Lines (CKM)                                                                                                                 |                 |                    | <b>327.59</b>         |                                             |

| 7.7 Inter-State and Inter-Regional Tie Line flows - Line wise in MU, Maximum Demand in MW (both Import & Exports) during 2015-16 |                                          |                               |                  |                                 |         |          |                                    |                                  |                            |
|----------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|-------------------------------|------------------|---------------------------------|---------|----------|------------------------------------|----------------------------------|----------------------------|
| Sl. No.                                                                                                                          | Name of Lines                            | From State/ Region            | To State/ Region | Total Energy MU During The year |         |          | Max. Demand MW (Date and Time)     |                                  | Outage Hours *<br>hh:mm:ss |
|                                                                                                                                  |                                          |                               |                  | Exp                             | Imp     | Net      | Exp                                | Imp                              |                            |
| 1                                                                                                                                | Kalapaka - Khammam - I                   | Andhra Pradesh                | Telangana        | 1620.506                        | 0       | 1620.506 | 400 MW<br>During Feb               | **                               | 333:56:00                  |
| 2                                                                                                                                | Kalapaka - Khammam - II                  | Andhra Pradesh                | Telangana        | 1607.336                        | 0.001   | 1607.335 | 370 MW<br>During Feb               | **                               | 303:57:00                  |
| 3                                                                                                                                | 400 KV Sattenapalli-Srisailem-1          | Andhra Pradesh                | Telangana        | 513.17                          | 3.04    | 510.13   | 312MW<br>17/01/2016<br>03:00Hrs    | 126MW<br>25/09/2015<br>03:00Hrs  | 399:45:00                  |
| 4                                                                                                                                | 400 KV Sattenapalli-Srisailem-2          | Andhra Pradesh                | Telangana        | 604.6                           | 3.42    | 601.18   | 311MW<br>24/02/2016<br>16:00Hrs    | 125MW<br>01/02/2016<br>14:00Hrs  | 688:22:00                  |
| 5                                                                                                                                | 400KV Srisailem-Narmoor                  | Telangana                     | Andhra Pradesh   | --                              | --      | 684.65   | 177 MW<br>During Jan               | 429MW<br>During Oct              | 8/26/1900<br>12:07:00 PM   |
| 6                                                                                                                                | 400KV Ghanapur-Narmoor                   | Telangana                     | Andhra Pradesh   | --                              | --      | --       | --                                 | --                               | --                         |
| 7                                                                                                                                | 400 KV Chittoor - Madras                 | APTRANSCO/AP                  | PGCIL/TN         | 781.374                         | 6.048   | 775.326  | 370MW<br>During Aug                | 80MW<br>During Nov               | 39:10:00                   |
| 8                                                                                                                                | 400 KV Chittoor - Thiruvalam -I          | APTRANSCO/AP                  | PGCIL/TN         | 1474.04                         | 1.56    | 1472.48  | 530MW<br>During Dec                | 80 MW<br>During Sep              | 90:52:00                   |
| 9                                                                                                                                | 400 KV Chittoor - Thiruvalam -II         | APTRANSCO/AP                  | PGCIL/TN         | 1426.49                         | 1.5     | 1424.99  | 570MW<br>During Nov                | 80 MW<br>During Sep              | 452:05:00                  |
| 10                                                                                                                               | 400 KV Kalpaka-PGCIL(Gajuwaka)-1         | APTRANSCO/AP                  | PGCIL            | 10.265                          | 736.464 | -726.199 | **                                 | 220 MW<br>During Jan             | 30:29:00                   |
| 11                                                                                                                               | 400 KV Kalpaka-PGCIL(Gajuwaka)-2         | APTRANSCO/AP                  | PGCIL            | 10.358                          | 724.595 | -714.237 | **                                 | 240MW<br>During Jan              | 27:09:00                   |
| <b>220KV Lines</b>                                                                                                               |                                          |                               |                  |                                 |         |          |                                    |                                  |                            |
| 1                                                                                                                                | 220 KV B. Kotkur - Wanaparthy Line       | Andhra Pradesh                | Telangana        | 63.476                          | 73.636  | -10.16   | 157.8MW<br>During Sep              | 110MW<br>During April            | 29:18:00                   |
| 2                                                                                                                                | 220KV Srisailem-Dindi-I Feeder.          | Andhra Pradesh                | Telangana        | 294.836                         | 1.25    | 293.586  | **                                 | **                               | 19:48:00                   |
| 3                                                                                                                                | 220KV Srisailem-Dindi-II Feeder.         | Andhra Pradesh                | Telangana        | 288.2                           | 1.24    | 286.96   | **                                 | **                               | 37:48:00                   |
| 4                                                                                                                                | 220KV Srisailem - Nagarjuna sagar Feeder | Andhra Pradesh                | Telangana        | 0.316                           | 441.72  | -441.404 | **                                 | **                               | 212:41:00                  |
| 5                                                                                                                                | 220KV Regulapadu - Allipura              | KARNATAKA                     | Andhra Pradesh   | 2.158                           | 359.33  | -357.172 | 156.90 MW<br>09/06/2015<br>(18.00) | 137.55 MW<br>11/04/2015<br>18.00 | 61:77:00                   |
| 6                                                                                                                                | 220 kV Chittoor - Tiruvalam              | Andhra Pradesh                | Tamila Nadu      | 406.96                          | 74.25   | 332.71   | 186MW<br>During Feb                | 161MW<br>During Feb              | 67:12:00                   |
| 7                                                                                                                                | Lower Sileru - KTPS - I                  | Andhra Pradesh                | Telangana        | --                              | --      | --       | --                                 | --                               | --                         |
| 8                                                                                                                                | Lower Sileru - KTPS - II                 | Andhra Pradesh                | Telangana        | --                              | --      | --       | --                                 | --                               | --                         |
| 9                                                                                                                                | 220 KV Nunna- KTPS                       | Andhra Pradesh                | Telangana        | 0.00                            | 949.56  | -949.56  | **                                 | 219MW                            | 222:20:00                  |
| 10                                                                                                                               | 220 KV Chillakallu-Narketpalli-I         | Andhra Pradesh                | Telangana        | 563.96                          | 0.00    | 563.96   | **                                 | 116MW                            | 53:23:00                   |
| 11                                                                                                                               | 220 KV Chillakallu-Narketpalli-II        | Andhra Pradesh                | Telangana        | 564.17                          | 0.00    | 564.17   | 116.00                             | **                               | 59:39:00                   |
| 12                                                                                                                               | 220KV TALLAPALLI - NSPH-I FEEDER         | Andhra Pradesh                | Telangana        | 608.54                          | 0.00    | 608.54   | 139MW<br>13:00<br>09/09/2015       | **                               | 269:55:00                  |
| 13                                                                                                                               | 220KV TALLAPALLI - NSPH-II FEEDER        | Andhra Pradesh                | Telangana        | 658.28                          | 0.00    | 658.28   | 167MW<br>01:00<br>22/03/2016       | **                               | 76:40:00                   |
| 14                                                                                                                               | 220KV TALLAPALLI - NSR FEEDER            | Andhra Pradesh                | Telangana        | 380.64                          | 0.00    | 380.64   | 106MW<br>03:00<br>25/02/2016       | **                               | 32:43:00                   |
| 15                                                                                                                               | 220KV TALLAPALLI - CHALAKURTHY FEEDER    | Andhra Pradesh                | Telangana        | 366.06                          | 0.00    | 366.06   | 116MW<br>05:00<br>04/07/2015       | **                               | 44:17:00                   |
| 16                                                                                                                               | 220KV Sullurpeta-Gummidipudi             | Andhra Pradesh<br>(APTRANSCO) | Tamila Nadu      | 157.20                          | 97.29   | 59.91    | 126MW<br>18:00<br>27/02/2016       | 109MW<br>04:00<br>07/04/2015     | 212:25:00                  |

| 132 KV Lines |                                         |                |           |         |        |         |                              |                               |          |
|--------------|-----------------------------------------|----------------|-----------|---------|--------|---------|------------------------------|-------------------------------|----------|
| 1            | 132 KV Tangeda-Wadapalli                | Andhra Pradesh | Telangana | 0       | 212.18 | -212.18 | **                           | 64.3MW<br>07:00<br>27/10/2015 | 11:22:00 |
| 2            | 132 KV Piduguralla-Wadapalli            | Andhra Pradesh | Telangana | 75.245  | 0.002  | 75.243  | 22 MW<br>15:00<br>27/10/2015 | **                            | 48:17:00 |
| 3            | 132 kv Chillakallu-Madhira              | Andhra Pradesh | Telangana | 88.273  | 0      | 88.273  | 22                           | **                            | 25:46:00 |
| 4            | 132 kv Chillakallu-Khammam              | Andhra Pradesh | Telangana | **      | **     | **      | **                           | **                            | 14:59:00 |
| 5            | 132 kv Chillakallu-Kusumanchi           | Andhra Pradesh | Telangana | 19.613  | 0.878  | 18.735  | **                           | 30.5                          | 70:39:00 |
| 6            | 132 kv Chillakallu-Seethapuram          | Andhra Pradesh | Telangana | 21.709  | 68.432 | -46.723 | 34                           | 35.2                          | 8:17:00  |
| 7            | 132 kv Chillakallu-Ramapuram            | Andhra Pradesh | Telangana | 38.172  | 46.388 | -8.216  | 29.2                         | 28                            | 23:32:00 |
| 8            | 132 kv Chillakallu-Bonakallu Railway-I  | Andhra Pradesh | Telangana | 28.587  | 0      | 28.587  | 17                           | **                            | 13:58:00 |
| 9            | 132 kv Chillakallu-Bonakallu Railway-II | Andhra Pradesh | Telangana | 26.793  | 0      | 26.793  | 13                           | **                            | 11:34:00 |
| 10           | 132 kv Chillakallu-Kodad                | Andhra Pradesh | Telangana | 193.995 | 0      | 193.995 | 49.5                         | **                            | 37:47:00 |
| 11           | 132KV Guntakal-Humpi                    | Andhra Pradesh | Karnataka | 2.148   | 98.321 | -96.173 | 2MW<br>10/03/2016<br>20:00   | 35MW<br>12/08/2015<br>08:00   | 17:50:00 |
| 12           | 132KV AP Carbides-Alampur -I            | Andhra Pradesh | Telangana | **      | **     | 30.143  | 50MW                         | **                            | 16:59:00 |
| 13           | 132KV AP Carbides-Alampur -II           | Andhra Pradesh | Telangana | **      | **     | 24.371  | 38MW                         | **                            | 50:53:00 |

\* It is to be treated as outage hours even if breaker is open at one end and line is idle charged from the other end also.

**7.8 (A) APTRANSCO PURCHASES OF ENERGY**

| Year                    | Purchases from APGENCO |          |          | Purchases , imports and wheeled            |              |        |         |         |                                      |                                      |                     |                                       |          | Gross Total/<br>Ex-bus Available |
|-------------------------|------------------------|----------|----------|--------------------------------------------|--------------|--------|---------|---------|--------------------------------------|--------------------------------------|---------------------|---------------------------------------|----------|----------------------------------|
|                         | Hydel                  | Thermal  | Total    | Central<br>Sector<br>(NTPC,NLC<br>MAP,etc) | NTPC<br>(ER) | PTC    | APGPCL  | GRID Co | M.P<br>+GEB,WR<br><br>+PSEB<br>+CSEB | Private Projects<br>(excl-3rd party) | Captive<br>& others | 3 rd party energy<br>wheeled & others | Total    |                                  |
| 1                       | 2                      | 3        | 4        | 5                                          | 6            | 7      | 8       | 9       | 10                                   | 11                                   | 12                  | 13                                    | 14       | 15                               |
| 1999-2K                 | 8090.55                | 19519.51 | 27610.06 | 7897.00                                    | 1040.70      |        | 504.24  | 538.37  | 216.81                               | 3216.87                              | 442.32              | 2280.67                               | 16136.98 | 43747.04                         |
| 2000-01                 | 7048.00                | 19749.00 | 26797.00 | 8288.49                                    | 1300.34      |        | 504.04  | 875.60  | 162.11                               | 3851.64                              | 409.61              | 2528.00                               | 17919.83 | 44716.83                         |
| 2001-02                 | 5728.22                | 20244.62 | 25972.84 | 7701.02                                    | 1608.76      |        | 479.66  | 687.86  | 150.31                               | 4839.52                              | 664.42              | 2785.65                               | 18917.20 | 44890.04                         |
| 2002-03                 | 3214.00                | 20751.70 | 23965.70 | 11072.55                                   | 945.80       | 13.07  | 510.47  | 41.65   | 8.68                                 | 6279.04                              | 940.28              | 2010.44                               | 21821.98 | 45787.68                         |
| 2003-04                 | 2934.67                | 20403.94 | 23338.61 | 13011.40                                   |              | 344.29 | 502.87  | -       | -                                    | 7777.17                              | 179.32              | 2287.05                               | 24102.10 | 47440.71                         |
| 2004-05                 | 5267.22                | 21145.08 | 26412.31 | 13774.03                                   |              |        | 1908.20 |         |                                      | 5899.89                              | 748.08              | 2380.32                               | 24710.52 | 51122.82                         |
| 2005-06                 | 7872.53                | 18718.33 | 26590.86 | 15971.13                                   |              |        | 1752.98 |         |                                      | 5476.67                              | 529.60              | 2253.62                               | 25984.00 | 52574.86                         |
| 2006-07                 | 9246.63                | 19994.07 | 29240.70 | 19487.34                                   |              |        | 1445.47 |         |                                      | 5672.82                              | 167.36              | 2056.77                               | 28829.76 | 58070.46                         |
| 2007-08                 | 9509.76                | 21451.57 | 30961.33 | 19821.82                                   |              |        | 1101.43 |         |                                      | 7283.75                              | 356.69              | 1720.12                               | 30283.81 | 61245.14                         |
| 2008-09                 | 7702.54                | 23294.47 | 30997.01 | 25315.86                                   |              |        | 1440.69 |         |                                      | 7269.70                              | 747.96              | 1615.54                               | 36389.75 | 67386.76                         |
| 2009-10                 | 5450.48                | 24101.16 | 29551.64 | 22851.20                                   |              |        | 2087.32 |         |                                      | 16025.76                             | 1465.78             | 2630.17                               | 45060.23 | 74611.87                         |
| 2010-11                 | 7717.67                | 26845.72 | 34563.39 | 19986.24                                   |              |        | 1680.74 |         |                                      | 18004.95                             | 1964.32             | 1564.41                               | 43200.66 | 77764.05                         |
| 2011-12                 | 6375.55                | 32893.11 | 39268.66 | 24953.20                                   |              |        | 1447.93 |         |                                      | 16405.69                             | 1618.69             | 1466.06                               | 45891.57 | 85160.23                         |
| 2012-13                 | 3206.64                | 34729.55 | 37936.19 | 30413.50                                   |              |        | 1140.08 |         |                                      | 9254.72                              | 2530.17             | 923.41                                | 44261.88 | 82198.07                         |
| 2013-14                 | 7142.91                | 31706.00 | 38848.91 | 37120.34                                   |              |        | 1016.48 |         |                                      | 5459.69                              | 4595.37             | 1150.28                               | 49342.16 | 88191.07                         |
| 2014-15<br>(Apr&May)    | 621.37                 | 5702.66  | 6324.03  | 6898.06                                    |              |        | 172.60  |         |                                      | 806.71                               | 1020.36             | 163.64                                | 9061.37  | 15385.40                         |
| 2014-15<br>(Jun to Mar) | 3204.74                | 16228.48 | 19433.22 | 14219.62                                   |              |        | 456.70  |         |                                      | 2792.68                              | 2486.44             | 869.94                                | 20825.38 | 40258.60                         |

7.8 (A) APTRANSCO PURCHASES OF ENERGY

| Year    | Purchases from APGENCO |          |          | Purchases , imports and wheeled                                |        |                         |         |          |          | Gross Total |
|---------|------------------------|----------|----------|----------------------------------------------------------------|--------|-------------------------|---------|----------|----------|-------------|
|         | Hydel                  | Thermal  | Total    | Central Generating Stations<br>Sector<br>(NTPC,NLC<br>MAP,etc) | APGPCL | Private Projects (IPPs) | NCEs    | others   | Total    |             |
| 1       | 2                      | 3        | 4        | 5                                                              | 6      | 7                       | 8       | 9        | 10       | 15          |
| 2015-16 | 2320.39                | 12201.93 | 14522.32 | 11925.08                                                       | 90.29  | 4666.19                 | 2650.66 | 15659.47 | 34991.68 | 49514.00    |

**7.8(B) SALE OF ENERGY AND SYSTEM LOSSES(Incl.3rd party Energy)**

| Year Ending March           | Total Energy Handled*            | Energy sold to Discoms (#)   | Transmission Losses       | Sales within the State \$ | Energy assessed on the ft& pillar rag & back billing | Exports          | Total Sales (5+6)                                 | System Loss (2-7)               | % System Loss** (8/2)            | 3rd party Energy Handled |
|-----------------------------|----------------------------------|------------------------------|---------------------------|---------------------------|------------------------------------------------------|------------------|---------------------------------------------------|---------------------------------|----------------------------------|--------------------------|
| 1                           | 2                                | 3                            | 4                         | 5                         | 6                                                    |                  | 7                                                 | 8                               | 9                                | 10                       |
| 1999-2K                     | 43747.04                         | --                           | --                        | 27568.41                  | 35.98                                                | -                | 27604.39                                          | 16142.65                        | 36.90                            | 2725                     |
| 2000-01                     | 44716.83                         | 40720                        | 8.94                      | 29457.97                  | 310.21                                               | 29.48            | 29559.62                                          | 15157.21                        | 33.90                            | 2528                     |
| 2001-02                     | 44890.04                         | 40419.24                     | 9.96                      | 31601.03                  | -                                                    | -                | 31601.03                                          | 13289.01                        | 29.60                            | 2785.65                  |
| 2002-03                     | 45787.68                         | 41642.51                     | 9.05                      | 33823.68                  | -                                                    | -                | 33823.68                                          | 11964.00                        | 26.13                            | 2010.44                  |
| 2003-04                     | 47440.71                         | 43049.11                     | 6.27                      | 36459.08                  | -                                                    | -                | 36459.08                                          | 10981.63                        | 23.15                            | 2287.05                  |
| Year Ending March           | Power Purchase (incl. UI Energy) | Discom Input (Transco Sales) | Transmission Losses ( % ) | DISCOM sales              | UI Energy                                            | Interstate sales | Details of Sale of power(DISCO M +UI+Inter state) | T&D Losses (Incl. UI energy) MU | T&D Losses (Incl. UI energy) (%) | 3rd party energy Handled |
| 2004-05                     | 51142                            | 46255                        | 4.53                      | 37617.63                  | 2132.61                                              | 439              | 40188.74                                          | 10953.26                        | 21.42                            | 2380.32                  |
| 2005-06                     | 51857.16                         | 47807                        | 4.48                      | 39651.69                  | 527.29                                               | 1199.72          | 41378.7                                           | 10478.46                        | 20.21                            | 2253.62                  |
| 2006-07 (incl PGCIL losses) | 57464                            | 53994.81                     | 4.80                      | 44850                     | 500.26                                               | 212.85           | 45563.11                                          | 11900.89                        | 20.710                           | 1882.95                  |
| 2006-07 (excl PGCIL losses) | 57464                            | 53994.81                     | 3.94                      | 44850                     | 500.26                                               | 212.85           | 45563.11                                          | 11390.58                        | 19.822                           | 1882.95                  |
| Year Ending March           | Energy Handled                   | (Transco Sales)              | Transmission Losses ( % ) | DISCOM sales              | 33kv Private developers                              | 33kv Genco       | Sale of power(incl wheeling)                      | T&D Losses in MU                | T&D Loss%                        |                          |
| 2007-08                     | 61797.37                         | 56992.07                     | 4.27                      | 48390.42                  | 1616.79                                              | 93.41            | 49939.14                                          | 11858.23                        | 19.19                            |                          |
| 2008-09                     | 67386.76                         | 62637.1                      | 4.02                      | 53215.36                  | 1276.44                                              | 107.13           | 54830.9                                           | 12555.86                        | 18.63                            |                          |
| 2009-10                     | 74611.87                         | 68960.26                     | 4.65                      | 59118.39                  | 1484.189                                             | 81.93            | 60930.058                                         | 13681.812                       | 18.34                            |                          |
| 2010-11                     | 77764.05                         | 72131.75                     | 4.50                      | 62618.77                  | 1472.36                                              | 92.15            | 64149.24                                          | 13614.81                        | 17.51                            |                          |
| 2011-12                     | 85050.44                         | 79966.26                     | 4.22                      | 69955.05                  | 1465.66                                              | 91.11            | 71270.35                                          | 13780.09                        | 16.20                            |                          |
| 2012-13                     | 83291.17                         | 77988.21                     | 5.24                      | 68307.17                  | 925.47                                               | 66.41            | 69281.69                                          | 14009.48                        | 16.82                            |                          |
| 2013-14                     | 89500.01                         | 83847.08                     | 5.00                      | 73055.73                  | 1163.22                                              | 74.35            | 74158.34                                          | 15341.67                        | 17.14                            |                          |
| 2014-15 (Apr& May)          | 15590.82                         | 14625.73                     | 3.92                      | 12603.71                  | 163.37                                               | 11.3             | 12603.71                                          | 2987.11                         | 19.16                            |                          |
| 2014-15 (Jun to Mar)        | 40771.62                         | 38215.18                     | 3.37                      | 35543.8                   | 869.379                                              | 21.83            | 35543.8                                           | 5227.82                         | 12.82                            |                          |
| 2015-16                     | 50110.44                         | 47330.78                     | 3.37                      | 44439.19                  | 1102.37                                              | 24.81            | 44817.6                                           | 5292.84                         | 10.56                            |                          |

**7.8 © ENRGY BALANCE SHEET 2015-16**

| <b>S.No</b> | <b>Particulars</b>                                                                                               | <b>2015-16<br/>(From Apr-15 to Mar -16)</b> |
|-------------|------------------------------------------------------------------------------------------------------------------|---------------------------------------------|
| 1           | Input from State Generators including wheeling                                                                   | 40575.09                                    |
| 2           | CGS ( Ex-Bus )                                                                                                   | 8699.51                                     |
| 3           | System Input at 132 kv & above including Wheeled Energy ( 1+2 )                                                  | 49274.60                                    |
| 4           | Energy delivered by Transco to Discoms Including Wheeled Energy                                                  | 47330.78                                    |
| 5           | Transmission Losses (Incl.Wheeling) ( 3-4 ) inclusive of PGCIL losses                                            | 1943.82                                     |
| 6           | % Transmission Losses (Incl wheeling) on respective Inputs {(5/3*100)} <b>inclusive of PGCIL losses</b>          | <b>3.94</b>                                 |
| 6a          | % Transmission Losses (Incl wheeling) on respective Inputs {(5-11)/(3-11)*100)} <b>exclusive of PGCIL losses</b> | <b>3.37</b>                                 |
| 7           | Net wheeled Energy at 132 KV & above by Third Party Developers                                                   | 378.410                                     |
| 8           | Energy delivered by Transco to Discoms Excluding Wheeled Energy at 132 KV & above ( 4 - 7 )                      | 46952.37                                    |
| 9           | Drawls at 33 KV & 11 KV from TP developers                                                                       | 1102.37                                     |
| 10          | Drawls at 33 KV & 11 KV from Genco                                                                               | 24.81                                       |
| 11          | External losses (PGCIL losses)                                                                                   | 291.34                                      |
| 12          | Input to Discoms ( Incl Wheeling Energy)(8+9+10)                                                                 | 48079.55                                    |
| 13          | Discoms sales of Energy ( Excl Wheeling )                                                                        | 44245.97                                    |
| 14          | Net Wheeled Energy at 33 KV & Below by Third Party Developers                                                    | 193.22                                      |
| 15          | Discoms sales of Energy ( Incl. Wheeling ) ( 13 + 14 )                                                           | 44439.19                                    |
| 16          | Distribution Losses (Incl. wheeling) ( 12-15)                                                                    | 3640.36                                     |
| 17          | % Distribution losses ( Incl.Wheeling) on respective inputs { (16/12)*100 }                                      | <b>7.57</b>                                 |
| 18          | T & D Input (Ex-Bus Availability) ( 3+9+10)                                                                      | 50401.78                                    |
| 19          | T & D Sales ( Incl.Wheeling) by Discoms ( 15+7)                                                                  | 44817.60                                    |
| 20          | T & D Losses (Incl. Wheeling) (18-19)                                                                            | 5584.18                                     |
| 21          | %T & D losses ( Incl.wheeling) &(Incl SR Losses) ( 20/18*100)                                                    | <b>11.08</b>                                |
| 22          | %T & D losses ( Incl.wheeling) (Excluding SR Losses)                                                             | <b>10.56</b>                                |

**7.9 CATEGORY-WISE SERVICES AS ON 31.3.2016  
(EXCLUDING R.E.S.CO-OPERATIVES)**

| SI No.         | DISTRICT      | L.T.CATEGORY |         |        |           |         |        |        |      |          | H.T. | TOTAL    |
|----------------|---------------|--------------|---------|--------|-----------|---------|--------|--------|------|----------|------|----------|
|                |               | I            | II      | III    | IV        | V       | VI     | VII    | VIII | Total LT |      |          |
|                |               | Dom          | Non-Dom | Indl   | Cat- Indl | Agl     | Pub-Lt | Gen    | Temp |          |      |          |
| 1              | SRIKAKULAM    | 689589       | 53379   | 3242   | 309       | 30042   | 4500   | 5362   | 272  | 786695   | 278  | 786973   |
| 2              | VIZIANAGARAM  | 524596       | 42947   | 2893   | 129       | 38662   | 3389   | 3920   | 50   | 616586   | 271  | 616857   |
| 3              | VISAKHAPATNAM | 1124008      | 125559  | 5419   | 366       | 38138   | 7273   | 6004   | 268  | 1307035  | 1073 | 1308108  |
| 4              | EAST GODAVARI | 1315556      | 131772  | 11560  | 1082      | 48075   | 5745   | 14203  | 194  | 1528187  | 909  | 1529096  |
| 5              | WEST GODAVARI | 1003769      | 107725  | 13558  | 339       | 91630   | 6375   | 11680  | 120  | 1235196  | 617  | 1235813  |
|                | TOTAL APEPDCL | 4657518      | 461382  | 36672  | 2225      | 246547  | 27282  | 41169  | 904  | 5473699  | 3148 | 5476847  |
| 6              | KRISHNA       | 1317481      | 129079  | 17849  | 1031      | 93053   | 7743   | 12140  | 16   | 1578392  | 1272 | 1579664  |
| 7              | GUNTUR        | 1543633      | 141558  | 14760  | 347       | 88688   | 6251   | 10309  | 181  | 1805727  | 1034 | 1806761  |
| 8              | PRAKASAM      | 956698       | 71039   | 9518   | 563       | 141696  | 7012   | 8256   | 254  | 1195036  | 476  | 1195512  |
| 9              | NELLORE       | 913444       | 76626   | 24753  | 719       | 159797  | 8895   | 7099   | 87   | 1191420  | 565  | 1191985  |
| 10             | CHITTOOR      | 1187903      | 103771  | 11819  | 7030      | 296656  | 19051  | 10158  | 727  | 1637115  | 815  | 1637930  |
| 11             | KADAPA        | 705484       | 58717   | 5274   | 569       | 142710  | 5331   | 4902   | 3    | 922990   | 333  | 923323   |
| 12             | ANANTAPUR     | 963520       | 67294   | 8682   | 3445      | 215476  | 7273   | 6709   | 188  | 1272587  | 385  | 1272972  |
| 13             | KURNOOL       | 931199       | 64069   | 8607   | 564       | 131173  | 6436   | 6233   | 123  | 1148404  | 320  | 1148724  |
|                | TOTAL APSPDCL | 8519362      | 712153  | 101262 | 14268     | 1269249 | 67992  | 65806  | 1579 | 10751671 | 5200 | 10756871 |
| TOTAL FOR A.P. |               | 13176880     | 1173535 | 137934 | 16493     | 1515796 | 95274  | 106975 | 2483 | 16225370 | 8348 | 16233718 |

**7.9(a) CATEGORY WISE SERVICES OF RESCOs AS ON 31-03-2016**

| <b>Sl. No.</b> | <b>Name of RESCO and District</b> | <b>I</b>      | <b>II</b>    | <b>III</b>  | <b>IV</b>  | <b>V</b>     | <b>VI</b>   | <b>VII</b>  | <b>VIII</b> | <b>Total L.T</b> | <b>Total H.T</b> | <b>Grand Total</b> |
|----------------|-----------------------------------|---------------|--------------|-------------|------------|--------------|-------------|-------------|-------------|------------------|------------------|--------------------|
| 1              | Cheepurupally (Vizianagaram)      | 46973         | 3057         | 340         | 102        | 5309         | 342         | 478         | 0           | 56601            | -                | 56601              |
| 2              | Anakapally (Vizag)                | 120413        | 6209         | 2623        | 64         | 12694        | 1030        | 1063        | 7           | 144103           | -                | 144103             |
| 3              | Kuppam (Chittoor)                 | 68740         | 4944         | 421         | 5          | 30152        | 1623        | 823         | 4           | 106712           | -                | 106712             |
| <b>Total</b>   |                                   | <b>236126</b> | <b>14210</b> | <b>3384</b> | <b>171</b> | <b>48155</b> | <b>2995</b> | <b>2364</b> | <b>11</b>   | <b>307416</b>    | <b>-</b>         | <b>307416</b>      |

**7.9B CATEGORY-WISE SERVICES AS ON 31.3.2016**  
(Including RESCOs)

| S.No. | DISTRICT              | L.T.CATEGORY    |                |               |              |                |              |               |             |                 | H.T.        | TOTAL           |
|-------|-----------------------|-----------------|----------------|---------------|--------------|----------------|--------------|---------------|-------------|-----------------|-------------|-----------------|
|       |                       | I               | II             | III           | IV           | V              | VI           | VII           | Temp        | Total LT        |             |                 |
| 1     | SRIKAKULAM            | 689589          | 53379          | 3242          | 309          | 30042          | 4500         | 5362          | 272         | 786695          | 278         | 786973          |
| 2     | VIZIANAGARAM          | 571569          | 46004          | 3233          | 231          | 43971          | 3731         | 4398          | 50          | 673187          | 271         | 673458          |
| 3     | VISAKHAPATNAM         | 1244421         | 131768         | 8042          | 430          | 50832          | 8303         | 7067          | 275         | 1451138         | 1073        | 1452211         |
| 4     | EAST GODAVARI         | 1315556         | 131772         | 11560         | 1082         | 48075          | 5745         | 14203         | 194         | 1528187         | 909         | 1529096         |
| 5     | WEST GODAVARI         | 1003769         | 107725         | 13558         | 339          | 91630          | 6375         | 11680         | 120         | 1235196         | 617         | 1235813         |
|       | <b>TOTAL APEPDCL</b>  | <b>4824904</b>  | <b>470648</b>  | <b>39635</b>  | <b>2391</b>  | <b>264550</b>  | <b>28654</b> | <b>42710</b>  | <b>911</b>  | <b>5674403</b>  | <b>3148</b> | <b>5677551</b>  |
| 6     | KRISHNA               | 1317481         | 129079         | 17849         | 1031         | 93053          | 7743         | 12140         | 16          | 1578392         | 1272        | 1579664         |
| 7     | GUNTUR                | 1543633         | 141558         | 14760         | 347          | 88688          | 6251         | 10309         | 181         | 1805727         | 1034        | 1806761         |
| 8     | PRAKASAM              | 956698          | 71039          | 9518          | 563          | 141696         | 7012         | 8256          | 254         | 1195036         | 476         | 1195512         |
| 9     | NELLORE               | 913444          | 76626          | 24753         | 719          | 159797         | 8895         | 7099          | 87          | 1191420         | 565         | 1191985         |
| 10    | CHITTOOR              | 1256643         | 108715         | 12240         | 7035         | 326808         | 20674        | 10981         | 731         | 1743827         | 815         | 1744642         |
| 11    | KADAPA                | 705484          | 58717          | 5274          | 569          | 142710         | 5331         | 4902          | 3           | 922990          | 333         | 923323          |
| 12    | ANANTAPUR             | 963520          | 67294          | 8682          | 3445         | 215476         | 7273         | 6709          | 188         | 1272587         | 385         | 1272972         |
| 13    | KURNOOL               | 931199          | 64069          | 8607          | 564          | 131173         | 6436         | 6233          | 123         | 1148404         | 320         | 1148724         |
|       | <b>TOTAL APSPDCL</b>  | <b>8588102</b>  | <b>717097</b>  | <b>101683</b> | <b>14273</b> | <b>1299401</b> | <b>69615</b> | <b>66629</b>  | <b>1583</b> | <b>10858383</b> | <b>5200</b> | <b>10863583</b> |
|       | <b>TOTAL FOR A.P.</b> | <b>13413006</b> | <b>1187745</b> | <b>141318</b> | <b>16664</b> | <b>1563951</b> | <b>98269</b> | <b>109339</b> | <b>2494</b> | <b>16532786</b> | <b>8348</b> | <b>16541134</b> |

## 7.10 INTER STATE TRANSMISSION LINES

| Sl.No. | Name of the Inter State Line                                        | SC/DC | Voltage in kV | Length in K.M. |
|--------|---------------------------------------------------------------------|-------|---------------|----------------|
| 1      | 400KV VTPS - Malkaram DC line                                       | DC    | 400           | 143.26         |
| 2      | 400 KV Srisailam-Sathena palli (DC) feeder                          | DC    | 400           | 330.8          |
| 3      | 400 KV Srisailam - Kurnool (SC) feeder                              | DC    | 400           | 100.5          |
| 4      | 400KV KHMM - VSP I & II<br>(400KV B'Padu - Kalpaka)                 | DC    | 400           | 478            |
| 5      | 220KV Nunna - KTPS SC Line                                          | SC    | 220           | 61.15          |
| 6      | 220KV Tallapalli - Nagarjunasagar - I & II feeder                   | DC    | 220           | 20             |
| 7      | 220KV Tallapalli - Nagarjunasagar -III feeder                       |       | 220           | 8.8            |
| 8      | 220KV Tallapalli - Chalakurthy feeder                               |       | 220           | 8.8            |
| 9      | 220KV Chillakallu - Narketpalli DC line                             | DC    | 220           | 13.45          |
| 10     | 220 KV Brahmnaotkur-Wanaparthi line (LIS)                           | DC    | 220           | 18.85          |
| 11     | 220KV Srisailam-Dindi-I & II (DC) feeder                            | DC    | 220           | 4.8            |
| 12     | 220 KV N'Sagar Receiving Station – Srisailam SC Line                | SC    | 220           | 11             |
| 13     | 220KV LSR - KTS-I                                                   | DC    | 220           | 60.17          |
| 14     | 220KV LSR - KTS-II                                                  | DC    | 220           | 88.2           |
| 15     | Chittoor - Thiruvallam<br>(Tamilnadu)                               | SC    | 220           | 21.16          |
| 16     | Sullurpet -Gummadipoondi (Tamilnadu)<br>(Originally Nellore-Ennore) | SC    | 220           | 54.6           |
| 17     | Ragulapadu-Alepura (Karnataka)                                      | SC    | 220           | 39.16          |
| 18     | 132KV Nagarjunasagar - RCPH feeder                                  |       | 132           | 5.3            |
| 19     | 132KV Piduguralla - Wadapalli Ckt-II                                | DC    | 132           | 43.685         |
| 20     | 132KV Tangeda - Wadapalli DC/SC line                                | DC    | 132           | 31.3           |
| 21     | 132KV Chillakallu - Kodada SC line                                  | SC    | 132           | 11.72          |
| 22     | 132KV Chillakallu - Vepulasigaram SC line (Ramapuram)               | SC    | 132           | 15.7           |
| 23     | 132KV Chillakallu - Sitapuram SC line                               | SC    | 132           | 15.7           |
| 24     | 132KV Chillakallu - Khammam SC line                                 | SC    | 132           | 11.7           |
| 25     | 132KV Chillakallu - Kusumanchi SC line                              | SC    | 132           | 11.7           |
| 26     | 132KV Chillakallu - Madhira SC line                                 | SC    | 132           | 11.2           |
| 27     | 132 KV Sitapuram-KCP line                                           | DC    | 132           | 15.7           |
| 28     | 132KV Chillakallu - Bonakallu Railway Traction I &II<br>(DC) feeder | DC    | 132           | 22.4           |
| 29     | 132 KV A.P.Carbides - Alampur                                       |       | 132           | 14.1           |
| 30     | 132 KV A.P.Carbides - Gadwal                                        |       | 132           | 14.1           |
| 31     | 132KV K.Kota - Aswaraopet I & II                                    | DC    | 132           | 62.1           |
| 32     | 132 KV Pratapnagar(Kakinada)-Yanam(pondichery)                      | SC    | 132           | 35.9           |
|        |                                                                     |       |               |                |

### 7.11 GROWTH OF CONSUMERS AND CONNECTED LOAD

| SL. No.                   | Category                     | 1987-88             |                     | 1988-89             |                     | 1989-90             |                     | 1990-91             |                     | 1991-92             |                     |
|---------------------------|------------------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
|                           |                              | Number of Consumers | Connected Load (MW) | Number of Consumers | Connected Load (MW) | Number of Consumers | Connected Load (MW) | Number of Consumers | Connected Load (MW) | Number of Consumers | Connected Load (MW) |
| I.                        | <b>LOW TENSION</b>           |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |
|                           | 1.Domestic                   | 3410100             | 1598                | 3975147             | 1789                | 4428828             | 2003                | 4730697             | 2110                | 5162662             | 2303                |
|                           | 2.Non-Domestic               | 437519              | 308                 | 467803              | 321                 | 483829              | 332                 | 504044              | 344                 | 531543              | 363                 |
|                           | 3.Industrial                 | 88353               | 944                 | 95131               | 1013                | 107407              | 1144                | 114057              | 1212                | 121352              | 1293                |
|                           | 4.Cottage Industries         | 4456                | 9                   | 5309                | 10                  | 6437                | 12                  | 7569                | 14                  | 8489                | 16                  |
|                           | 5.Agricultural               | 834435              | 2741                | 951466              | 3130                | 1056407             | 3462                | 1134519             | 3760                | 1211003             | 4013                |
|                           | 6.Public Lighting            | 36507               | 50                  | 41044               | 53                  | 45157               | 58                  | 47012               | 59                  | 48797               | 62                  |
|                           | 7.General Purpose            | 45110               | 28                  | 49849               | 30                  | 55870               | 33                  | 56817               | 33                  | 58754               | 34                  |
|                           | Total L.T (I)                | 4856480             | 5678                | 5585749             | 6346                | 6183935             | 7044                | 6594715             | 7532                | 7142600             | 8084                |
| II.                       | <b>HIGH TENSION</b>          |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |
|                           | 1.Industrial Ordinary Tariff | 2284                | 1430                | 2382                | 1516                | 2628                | 1672                | 2724                | 1733                | 2880                | 2086                |
|                           | 2.Industrial (Intensive)     | 9                   | 127                 | 10                  | 129                 | 10                  | 129                 | 27                  | 348                 | 18                  | 318                 |
|                           | 3.Industrial (Alternative)   | 664                 | 397                 | 704                 | 411                 | 790                 | 461                 | 847                 | 494                 | 802                 | 468                 |
|                           | 4.Agricultural               | 135                 | 30                  | 155                 | 32                  | 157                 | 32                  | 180                 | 37                  | 187                 | 57                  |
|                           | 5.Temporary                  | 9                   | 2                   | 12                  | 3                   | 8                   | 2                   | 11                  | 3                   | 7                   | 3                   |
|                           | 6.Railway Traction           | 12                  | 211                 | 17                  | 227                 | 17                  | 227                 | 20                  | 267                 | 21                  | 210                 |
|                           | Total H.T (II)               | 3113                | 2197                | 3280                | 2318                | 3610                | 2523                | 3809                | 2882                | 3915                | 3142                |
| <b>Grand Total (I+II)</b> |                              | 4859593             | 7875                | 5589029             | 8664                | 6187545             | 9567                | 6598524             | 10414               | 7146515             | 11226               |

## 7.11 GROWTH OF CONSUMERS AND CONNECTED LOAD

| SL. No.                   | Category                     | 1992-93             |                     | 1993-94             |                     | 1994-95             |                     | 1995-96             |                     | 1996-97             |                     |
|---------------------------|------------------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
|                           |                              | Number of Consumers | Connected Load (MW) | Number of Consumers | Connected Load (MW) | Number of Consumers | Connected Load (MW) | Number of Consumers | Connected Load (MW) | Number of Consumers | Connected Load (MW) |
| 1.                        | 2.                           | 3                   | 4                   | 5                   | 6                   | 7                   | 8                   | 9                   | 10                  | 11                  | 12                  |
| I.                        | <b>LOW TENSION</b>           |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |
|                           | 1.Domestic                   | 5556713             | 2525                | 5787801             | 2609                | 6019042             | 2729                | 6433913             | 3425                | 6803038             | 3756                |
|                           | 2.Non-Domestic               | 557224              | 379                 | 586558              | 403                 | 617301              | 425                 | 666774              | 599                 | 720500              | 709                 |
|                           | 3.Industrial                 | 127315              | 1338                | 131188              | 1188                | 117451              | 1051                | 121056              | 1840                | 117571              | 1790                |
|                           | 4.Cottage Industries         | 9296                | 18                  | 11663               | 23                  | 12590               | 25                  | 17114               | 57                  | 13416               | 52                  |
|                           | 5.Agricultural               | 1331555             | 4414                | 1433732             | 4756                | 1529892             | 5077                | 1562922             | 5553                | 1705937             | 5999                |
|                           | 6.Public Lighting            | 50794               | 62                  | 52271               | 58                  | 45458               | 63                  | 46154               | 88                  | 54251               | 89                  |
|                           | 7.General Purpose            | 60603               | 36                  | 59588               | 37                  | 60610               | 38                  | 62322               | 50                  | 63955               | 52                  |
|                           | 8.Temporary                  | -                   |                     | -                   |                     | -                   |                     | 651                 | -                   | 644                 | -                   |
|                           | Total L.T                    | 7693500             | 8772                | 8062801             | 9074                | 8402344             | 9408                | 8910906             | 11612               | 9479312             | 12447               |
| II.                       | <b>HIGH TENSION</b>          |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |
|                           | 1.Industrial Ordinary Tariff | 2313                | 2091                | 2357                | 2131                | 2431                | 2198                | 2514                | 1855                | 2571                | 2043                |
|                           | 2.Industrial (Intensive)     | 15                  | 122                 | 14                  | 114                 | 11                  | 90                  | 12                  | 212                 | 12                  | 219                 |
|                           | 3.Industrial (Alternative)   | 816                 | 311                 | 794                 | 302                 | 795                 | 303                 | 829                 | 374                 | 842                 | 383                 |
|                           | 4.Agricultural               | 198                 | 58                  | 208                 | 61                  | 218                 | 65                  | 223                 | 104                 | 235                 | 108                 |
|                           | 5.Temporary                  | 8                   | 22                  | 6                   | 17                  | 7                   | 17                  | 2                   | 1                   | 4                   | -                   |
|                           | 6.Railway Traction           | 22                  | 244                 | 23                  | 255                 | 26                  | 289                 | 27                  | 235                 | 30                  | 262                 |
|                           | 7.Others **                  | 40                  | 61                  | 82                  | 76                  | 107                 | 165                 | 113                 | 168                 | 123                 | 188                 |
|                           | Total H.T                    | 3412                | 2909                | 3484                | 2956                | 3595                | 3127                | 3720                | 2949                | 3817                | 3203                |
| <b>Grand Total (I+II)</b> |                              | 7696912             | 11681               | 8066285             | 12030               | 8405939             | 12535               | 8914626             | 14561               | 9483129             | 15650               |

\*\* Reconciled data.

### 7.11 GROWTH OF CONSUMERS AND CONNECTED LOAD

| SL. No.            | Category                     | 1997-98             |                     | 1998-99*            |                     | 1999-2000           |                     | 2000-01             |                     | 2001-02             |                     |
|--------------------|------------------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
|                    |                              | Number of Consumers | Connected Load (MW) | Number of Consumers | Connected Load (MW) | Number of Consumers | Connected Load (MW) | Number of Consumers | Connected Load (MW) | Number of Consumers | Connected Load (MW) |
| 1.                 | 2.                           | 3                   | 4                   | 5                   | 6                   | 7                   | 8                   | 9                   | 10                  | 11                  | 12                  |
| I.                 | <b>LOW TENSION</b>           |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |
|                    | 1.Domestic                   | 7300553             | 4028                | 7694653             | 4246                | 8124786             | 5039                | 10258476            | 5280                | 10708638            | 5431                |
|                    | 2.Non-Domestic               | 774054              | 762                 | 820077              | 807                 | 865161              | 810                 | 907119              | 883                 | 957448              | 991                 |
|                    | 3.Industrial                 | 119737              | 1823                | 126180              | 1921                | 135703              | 2456                | 145786              | 2098                | 152203              | 2263                |
|                    | 4.Cottage Industries         | 13712               | 54                  | 14393               | 57                  | 14950               | 56                  | 15668               | 44                  | 16232               | 51                  |
|                    | 5.Agricultural               | 1736025             | 6117                | 1792113             | 6315                | 1821280             | 6244                | 1821280             | 6267                | 2088759             | 7428                |
|                    | 6.Public Lighting            | 56843               | 92                  | 63643               | 103                 | 66133               | 219                 | 68212               | 151                 | 70753               | 187                 |
|                    | 7.General Purpose            | 65850               | 53                  | 67977               | 55                  | 71285               | 86                  | 72646               | 68                  | 74113               | 70                  |
|                    | 8.Temporary                  | 381                 |                     | 567                 | -                   | 813                 | 3                   | 813                 | 2                   | 813                 | 3                   |
|                    | Total L.T                    | 10067155            | 12929               | 10579603            | 13504               | 11100111            | 14913               | 13290000            | 14793               | 14068959            | 16424               |
| II.                | <b>HIGH TENSION</b>          |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |
|                    | 1.Industrial Ordinary Tariff | 2549                | 2172                | 2543                | 2501                | 2541                | 1810                | 2618                | 2418                | 2726                | 2482                |
|                    | 2.Industrial (Intensive) *   | 13                  | 368                 |                     |                     |                     |                     |                     |                     |                     |                     |
|                    | 3.Industrial (Alternative)   | 870                 | 372                 | 929                 | 397                 | 999                 | 209                 | 1062                | 446                 | 1184                | 532                 |
|                    | 4.Agricultural               | 236                 | 94                  | 227                 | 100                 | 243                 | 70                  | 258                 | 101                 | 273                 | 99                  |
|                    | 5.Temporary                  | 6                   | 0.27                | 3                   | 0.2                 | 2                   | 2                   | 36                  | 402                 | 37                  | 418                 |
|                    | 6.Railway Traction           | 33                  | 292                 | 34                  | 301                 | 36                  | 281                 | 141                 | 44                  | 155                 | 47                  |
|                    | 7.Others **                  | 128                 | 194                 | 139                 | 198                 | 144                 | 177                 | 79                  | 139                 | 185                 | 253                 |
|                    | Total H.T                    | 3835                | 3492                | 3875                | 3497                | 3965                | 2549                | 4194                | 3550                | 4560                | 3831                |
| Grand Total (I+II) |                              | 10070990            | 16421               | 10583478            | 17001               | 11104076            | 17462               | 13294194            | 18343               | 14073519            | 20255               |

\*Industrial (Intensive) category is merged with Industrial(Segrgated) cat 1 w.e.f.1998-99.

\*\* Reconciled data.

### 7.11 GROWTH OF CONSUMERS AND CONNECTED LOAD

| SL. No. | Category                  | 2002-03             |                     | 2003-04             |                     | 2004-05             |                        | 2005-06             |                     | 2006-07             |                     | 2007-08             |                     | 2008-09             |                     | 2009-10             |                     | 2010-11             |                     | 2011-12             |                     | 2012-13             |                     | 2013-14             |                     |
|---------|---------------------------|---------------------|---------------------|---------------------|---------------------|---------------------|------------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
|         |                           | Number of Consumers | Connected Load (MW) | Number of Consumers | Connected Load (MW) | Number of Consumers | Connected Load (MW) ** | Number of Consumers | Connected Load (MW) | Number of Consumers | Connected Load (MW) | Number of Consumers | Connected Load (MW) | Number of Consumers | Connected Load (MW) | Number of Consumers | Connected Load (MW) | Number of Consumers | Connected Load (MW) | Number of Consumers | Connected Load (MW) | Number of Consumers | Connected Load (MW) | Number of Consumers | Connected Load (MW) |
| 1.      | 2.                        | 3                   | 4                   | 5                   | 6                   | 5                   | 6                      | 7                   | 8                   | 8                   | 9                   | 10                  | 11                  | 12                  | 13                  | 14                  | 15                  | 16                  | 17                  | 18                  | 19                  | 20                  | 21                  | 22                  | 23                  |
| I.      | <b>LOW TENSION</b>        |                     |                     |                     |                     |                     |                        |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |
|         | 1.Domestic                | 11202343            | 6306                | 11956602            | 7880.38             | 12586922            | 8293.69                | 13220362            | 8754                | 14118205            | 10041               | 15065510            | 12182               | 16104394            | 12391               | 17065491            | 13186               | 17927353            | 13922               | 18781332            | 14216               | 19593105            | 16275               | 20322094            | 17171               |
|         | 2.Non-Domestic            | 1015974             | 1087                | 1148702             | 1409.66             | 1209442             | 1484.34                | 1268594             | 1787                | 1325145             | 2094                | 1386983             | 2898                | 1454333             | 2955                | 1528468             | 3451                | 1614817             | 3808                | 1711339             | 3951                | 1813724             | 4480                | 1912364             | 4538                |
|         | 3.Industrial              | 157754              | 2489                | 162994              | 2564.31             | 169363              | 2660.91                | 175069              | 2986                | 179978              | 3145                | 185480              | 3411                | 190395              | 3551                | 195267              | 3811                | 201064              | 3917                | 208903              | 4870                | 214829              | 3694                | 220032              | 3666                |
|         | 4.Cottage Industries      | 16755               | 65                  | 17578               | 79.61               | 18041               | 71.44                  | 18649               | 74                  | 19138               | 77                  | 19861               | 80                  | 20373               | 86                  | 20830               | 80                  | 21621               | 85                  | 23085               | 104                 | 23991               | 221                 | 24771               | 289                 |
|         | 5.Agricultural            | 2257969             | 8027                | 2309605             | 8208.82             | 2374365             | 7981.37                | 2440823             | 8205                | 2527800             | 9367                | 2599635             | 9518                | 2680671             | 10302               | 2769275             | 12080               | 2909006             | 12769               | 3061914             | 12856               | 3203871             | 13309               | 3344637             | 13851               |
|         | 6.Public Lighting         | 77722               | 225                 | 97362               | 541.44              | 101194              | 429.91                 | 105855              | 450                 | 111270              | 514                 | 115760              | 811                 | 123254              | 1042                | 128368              | 835                 | 132684              | 901                 | 138804              | 1142                | 147679              | 963                 | 155211              | 889                 |
|         | 7.General Purpose         | 75793               | 83                  | 78525               | 95.00               | 82023               | 98.91                  | 85232               | 124                 | 88254               | 162                 | 90588               | 188                 | 96671               | 262                 | 107483              | 262                 | 134062              | 309                 | 141523              | 273                 | 145018              | 378                 | 147753              | 392                 |
|         | 8.Temporary               | 0                   | 0                   | 757                 | 0.24                | 830                 | 0.25                   | 949                 | 0.28                | 1019                | 0                   | 1114                | 66                  | 1237                | 2                   | 1351                | 4                   | 1700                | 59                  | 2033                | 8                   | 2223                | 6                   | 2421                | 6                   |
|         | Total L. T                | 14804310            | 18282               | 15772125            | 20779.45            | 16542180            | 21020.81               | 17315533            | 22379               | 18370809            | 25400               | 19464931            | 29154               | 20671328            | 30591               | 21816533            | 33709               | 22942307            | 35770               | 24068933            | 37421               | 25144440            | 39326               | 26129283            | 40802               |
| II.     | <b>HIGH TENSION</b>       |                     |                     |                     |                     |                     |                        |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |
|         | Total H.T                 | 4971                | 3974                | 5347                | 3995                | 5842                | 4316.29                | 6392                | 4701.90             | 7220                | 5153                | 8376                | 6525                | 9711                | 6160.0              | 10866               | 6373                | 12028               | 7752                | 13365               | 10357               | 14935               | 9115                | 16230               | 13921               |
|         | <b>Grand Total (I+II)</b> | 14809281            | 22255               | 15777472            | 24775               | 16548022            | 25337.10               | 17321925            | 27081.29            | 18378029            | 30553               | 19473307            | 35679               | 20681039            | 36751               | 21827399            | 40082               | 22954335            | 43522               | 24082298            | 47778               | 25159375            | 48441               | 26145513            | 54723               |

\* Industrial (Intensive) category is merged with Industrial(Segregated) cat 1 w.e.f.1998-99.

† Including RESCO services

\*\* R HT connected load reconciled for 2008-09

### 7.11 GROWTH OF CONSUMERS AND CONNECTED LOAD

| SL. No.                   | Category             | 2014-15<br>(Resi AP) |                     | 2015-16             |                      |
|---------------------------|----------------------|----------------------|---------------------|---------------------|----------------------|
|                           |                      | Number of Consumers  | Connected Load (MW) | Number of Consumers | Connected Load (MW)* |
| 1.                        | 2.                   | 3                    | 4                   | 5                   | 6                    |
| I.                        | <b>LOW TENSION</b>   |                      |                     |                     |                      |
|                           | 1.Domestic           | 12648102             | 10655               | 13176880            | 9686                 |
|                           | 2.Non-Domestic       | 1104366              | 2440                | 1173535             | 2231                 |
|                           | 3.Industrial         | 134100               | 2886                | 137934              | 2093                 |
|                           | 4.Cottage Industries | 16029                | 267                 | 16493               | 43                   |
|                           | 5.Agricultural ✦     | 1509495              | 7536                | 1581855             | 7127                 |
|                           | 6.Public Lighting    | 91440                | 583                 | 95274               | 404                  |
|                           | 7.General Purpose    | 105297               | 269                 | 106975              | 128                  |
|                           | 8.Temporary          | 2205                 | 5                   | 2483                | 1                    |
|                           | Total L.T            | 15611034             | 24641               | 16291429            | 21712                |
| II.                       | <b>HIGH TENSION</b>  |                      |                     |                     |                      |
|                           | Total H.T            | 7835                 | 9466                | 8348                | 5177                 |
| <b>Grand Total (I+II)</b> |                      | 15618869             | 34107               | 16299777            | 26888                |

Including Rescos \* SPDCL DATA REVISED

**7.12 LINES AND SUB-STATIONS (YEAR - WISE)**

| I - TRANSMISSION in CKM AND DISTRIBUTION LINES ( in KM) |                                 |                     |           |           |        |        |        |           |        |        |        |        |        |        |        |         |                         |  |
|---------------------------------------------------------|---------------------------------|---------------------|-----------|-----------|--------|--------|--------|-----------|--------|--------|--------|--------|--------|--------|--------|---------|-------------------------|--|
| Sl. No                                                  | VOLTAGE                         | At the end of March |           |           |        |        |        |           |        |        |        |        |        |        |        |         | 2015<br>Residuary<br>AP |  |
|                                                         |                                 | ✚<br>2000           | ✚<br>2001 | ✚<br>2002 | 2003   | 2004   | 2005   | 2006      | 2007   | 2008   | 2009   | 2010   | 2011   | 2012   | 2013   | 2014    |                         |  |
| 1                                                       | 400 kV                          | 46                  | 893       | 1301      | 2033   | 2033   | 2033   | 2686      | 2816   | 2988   | 3009   | 3172   | 3308   | 3308   | 4112   | 4257    | 2400                    |  |
| 2                                                       | 220 kV                          | 8957                | 9607      | 10341     | 10940  | 11127  | 11462  | 11569.988 | 11784  | 12237  | 12503  | 12693  | 12878  | 13623  | 13918  | 14389   | 8395                    |  |
| 3                                                       | 132 kV                          | 10922.5             | 11791     | 12404     | 12784  | 13022  | 13342  | 13886     | 14314  | 14706  | 14940  | 15103  | 15587  | 15915  | 16260  | 16642   | 8600                    |  |
| 4                                                       | 66 kV                           | 186                 | 0         | 0         | 0      | 0      | 0      | 0         | 0      | 0      | 0      | 0      | 0      | 0.0    | 0.0    | 0.0     | 0.0                     |  |
| 5                                                       | 33kV                            | 29884               | 30517     | 30537     | 32284  | 32711  | 33560  | 34835     | 35950  | 37206  | 38628  | 40033  | 40432  | 41128  | 42463  | 43929   | 24084                   |  |
| 6                                                       | 11kV                            | 166244              | 169649    | 165299    | 178321 | 186723 | 202282 | 214743    | 224688 | 234148 | 248670 | 260406 | 270167 | 279894 | 290219 | 300932  | 184499                  |  |
| 7                                                       | L.T Lines in kV                 | 424277              | 460863    | 442209    | 467313 | 473928 | 486191 | 504820    | 513166 | 517685 | 527852 | 532656 | 542716 | 551959 | 559840 | 566392  | 288769                  |  |
|                                                         | Total CKM                       | 640804              | 683608    | 662387    | 703675 | 719839 | 749164 | 782835    | 802718 | 818969 | 845602 | 864064 | 885088 | 905827 | 926811 | 946541  | 516747                  |  |
|                                                         | ✚                               | Reconciled          |           |           |        |        |        |           |        |        |        |        |        |        |        |         |                         |  |
| II - SUB - STATIONS (Nos)                               |                                 |                     |           |           |        |        |        |           |        |        |        |        |        |        |        |         |                         |  |
| Sl. No                                                  | Voltage (kV)                    | At the end of March |           |           |        |        |        |           |        |        |        |        |        |        |        |         |                         |  |
|                                                         |                                 | 2000                | 2001      | 2002      | 2003   | 2004   | 2005   | 2006      | 2007   | 2008   | 2009   | 2010   | 2011   | 2012   | 2013   | 2014    | 2015                    |  |
| 1                                                       | 400 kV                          | Nil                 | 2         | 3         | 3      | 3      | 3      | 7         | 7      | 8      | 9      | 9      | 10     | 10     | 11     | 12      | 6                       |  |
| 2                                                       | 220 kV                          | 59                  | 63        | 69        | 73     | 76     | 78     | 79        | 82     | 90     | 93     | 96     | 99     | 109    | 117    | 120     | 71                      |  |
| 3                                                       | 132 kV *                        | 170                 | 180       | 186       | 191    | 210    | 229    | 243       | 256    | 264    | 269    | 277    | 295    | 309    | 312    | 329     | 169                     |  |
| 4                                                       | 66 kV                           | 3                   | 0         | 0         | 0      | 0      | 0      | 0         | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0       | 0                       |  |
| 5                                                       | 33 kV                           | 1764                | 1862      | 1941      | 2123   | 2329   | 2474   | 2642      | 2821   | 3023   | 3355   | 3714   | 3887   | 4056   | 4369   | 4674    | 2633                    |  |
|                                                         | Total Nos                       | 1996                | 2107      | 2199      | 2390   | 2618   | 2784   | 2971      | 3166   | 3385   | 3726   | 4096   | 4291   | 4484   | 4809   | 5135    | 2879                    |  |
| 6                                                       | Distribution Transformers (Nos) | 186847              | 201801    | 216453    | 242668 | 323033 | 405937 | 474959    | 519365 | 580721 | 725837 | 737544 | 811108 | 894581 | 958015 | 1032863 | 621171                  |  |
| 7                                                       | DTRs Transformer Capacity (MVA) | 14490               | 15650     | 16413     | 17763  | 19977  | 22426  | 24484     | 26025  | 28156  | 30574  | 32571  | 33617  | 36981  | 40042  | 42402   | 21798                   |  |

(\*) Reconciled figure

NA :- Not Accounted for

| <b>7.12 LINES AND SUB-STATIONS (YEAR - WISE)</b>                     |                                 |                              |             |
|----------------------------------------------------------------------|---------------------------------|------------------------------|-------------|
| <b>I - TRANSMISSION LINES in CKM AND DISTRIBUTION LINES ( in KM)</b> |                                 |                              |             |
| Sl. No                                                               | VOLTAGE                         | At the end of March          |             |
|                                                                      |                                 | <b>2015<br/>Residuary AP</b> | <b>2016</b> |
| 1                                                                    | 400 kV                          | 2400                         | 2635        |
| 2                                                                    | 220 kV                          | 8395                         | 8851        |
| 3                                                                    | 132 kV                          | 8600                         | 8928        |
| 4                                                                    | 33kV                            | 24084                        | 24639       |
| 5                                                                    | 11kV                            | 184499                       | 192081      |
| 6                                                                    | L.T Lines in kV                 | 288769                       | 296983      |
|                                                                      | Total CKM                       | 516747                       | 534117      |
| <b>II - SUB - STATIONS (Nos)</b>                                     |                                 |                              |             |
| Sl. No                                                               | Voltage (kV)                    | At the end of March          |             |
|                                                                      |                                 | <b>2015</b>                  | <b>2016</b> |
| 1                                                                    | 400 kV                          | 6                            | 6           |
| 2                                                                    | 220 kV                          | 71                           | 75          |
| 3                                                                    | 132 kV                          | 169                          | 181         |
| 5                                                                    | 33 kV                           | 2633                         | 2728        |
|                                                                      | Total Nos                       | 2879                         | 2990        |
| 6                                                                    | Distribution Transformers (Nos) | 621171                       | 635055      |
| 7                                                                    | DTRs Transformer Capacity (MVA) | 21798                        | 22976       |

| 7.13 LINES AND DISTRIBUTION TRANSFORMERS EXISTING AS ON 31-03-2016 |               |              |        |        |             |        |        |        |
|--------------------------------------------------------------------|---------------|--------------|--------|--------|-------------|--------|--------|--------|
| S.No.                                                              | District      | Lines in Ckm |        |        | Lines in Km |        |        | (Nos)  |
|                                                                    |               | 400 kV       | 220 kV | 132 kV | 33 kV       | 11 kV  | L.T    | DTRs   |
| APEPDCL                                                            |               |              |        |        |             |        |        |        |
| 1                                                                  | Srikakulam    | 0            | 63     | 316    | 867         | 6835   | 14346  | 14564  |
| 2                                                                  | Vizianagaram  | 0            | 189    | 607    | 693         | 5294   | 10041  | 13595  |
| 3                                                                  | Visakhapatnam | 98           | 652    | 521    | 1285        | 6846   | 17543  | 24956  |
| 4                                                                  | East Godavari | 925          | 654    | 671    | 1514        | 10608  | 17850  | 43854  |
| 5                                                                  | West Godavari | 103          | 733    | 685    | 1621        | 13884  | 20018  | 66006  |
| Sub-total                                                          |               | 1,126        | 2,291  | 2,800  | 5979        | 43466  | 79798  | 162975 |
| APSPDCL                                                            |               |              |        |        |             |        |        |        |
| 6                                                                  | Krishna       | 785          | 749    | 604    | 2181        | 13847  | 37985  | 38296  |
| 7                                                                  | Guntur        | 152          | 835    | 817    | 1981        | 15346  | 21626  | 38928  |
| 8                                                                  | Prakasam      | 0            | 769    | 737    | 2361        | 20623  | 25413  | 54058  |
| 9                                                                  | Nellore       | 236          | 843    | 458    | 2188        | 14352  | 24434  | 49404  |
| 10                                                                 | Chittoor      | 233          | 625    | 1166   | 2881        | 26308  | 30391  | 107909 |
| 11                                                                 | Kadapa        | 0            | 743    | 633    | 1976        | 22194  | 22125  | 73328  |
| 12                                                                 | Anantapur     | 0            | 1113   | 891    | 2708        | 21568  | 32343  | 60085  |
| 13                                                                 | Kurnool       | 103          | 882    | 822    | 2385        | 14376  | 22867  | 40735  |
| Sub-total                                                          |               | 1509         | 6559   | 6128   | 18660       | 148615 | 217185 | 462743 |
| Total for A.P(DISCOMs)                                             |               | 2635         | 8850   | 8928   | 24639       | 192081 | 296983 | 625718 |
| RESCOs Total                                                       |               |              |        |        |             |        |        | 9337   |
| Grand Total                                                        |               |              |        |        |             |        |        | 635055 |

| 7.14 POWER RESTRICTIONS (1977-2015) (%)      |                                       |                          |    |            |    |             |    |              |    |               |    |             |    |
|----------------------------------------------|---------------------------------------|--------------------------|----|------------|----|-------------|----|--------------|----|---------------|----|-------------|----|
| Year                                         | Period                                | Consumers with CMD (KVA) |    |            |    |             |    |              |    |               |    |             |    |
|                                              |                                       | Upto 200                 |    | 201 to 500 |    | 501 to 1000 |    | 1001 to 2000 |    | 2001 to 10000 |    | Above 10000 |    |
|                                              |                                       | E                        | D  | E          | D  | E           | D  | E            | D  | E             | D  | E           | D  |
| 1977-78                                      | 1.4.77 to 14.8.77                     | 30                       | 30 | 30         | 30 | 30          | 30 | 30           | 30 | 30            | 30 | 30          | 30 |
| 1977-78                                      | 25.4.77 to 14.8.77<br>(Textile units) | 20                       | 20 | 20         | 20 | 20          | 20 | 20           | 20 | 20            | 20 | 20          | 20 |
| No Power Restrictions from 15.8.78 to 4.9.79 |                                       |                          |    |            |    |             |    |              |    |               |    |             |    |
| 1979-80                                      | 5.9.79 to 31.7.80                     | 30                       | 30 | 30         | 30 | 30          | 30 | 30           | 30 | 30            | 30 | 30          | 30 |
| 1980-81                                      |                                       |                          |    |            |    |             |    |              |    |               |    |             |    |
| No Power Restrictions from 1.8.80 to 26.1.84 |                                       |                          |    |            |    |             |    |              |    |               |    |             |    |
| 1983-84                                      | 27.1.84 to 30.4.84                    | 25                       | 25 | 25         | 25 | 25          | 25 | 25           | 25 | 25            | 25 | 25          | 25 |
| 1984-85                                      |                                       |                          |    |            |    |             |    |              |    |               |    |             |    |
| No Power Restrictions from 1.5.84 to 14.4.87 |                                       |                          |    |            |    |             |    |              |    |               |    |             |    |
| 1987-88                                      | 15.4.87 to 6.6.87                     | 15                       | 15 | 15         | 15 | 15          | 15 | 60           | 60 | 60            | 60 | 60          | 60 |
|                                              | 7.6.87 to 30.6.87                     | -                        | -  | -          | -  | -           | -  | 60           | 60 | 60            | 60 | 60          | 60 |
| 1987-88                                      | 01.07.87 to 09.07.87                  | -                        | -  | -          | -  | -           | -  | 60           | 60 | 60            | 60 | 60          | 60 |
|                                              | 10.07.87 to 14.07.87                  | -                        | -  | -          | -  | -           | -  | 30           | 30 | 30            | 30 | 30          | 30 |
|                                              | 16.11.87 to 19.11.87                  | -                        | -  | -          | -  | -           | -  | 35           | 35 | 35            | 35 | 40          | 40 |
|                                              | 20.11.87 to 31.01.88                  | 15                       | 15 | 15         | 15 | 15          | 15 | 35           | 35 | 35            | 35 | 40          | 40 |
|                                              | 01.02.88 to 13.03.88                  | 15                       | 15 | 15         | 15 | 15          | 15 | 35           | 35 | 50            | 50 | 60          | 60 |
| 1988-89                                      | 14.03.88 to 30.06.88                  | 15                       | 15 | 15         | 15 | 15          | 15 | 35           | 35 | 50            | 50 | 80          | 60 |
|                                              | 01.07.88 to 29.07.88                  | 15                       | 15 | 15         | 15 | 15          | 15 | 35           | 35 | 50            | 50 | 80          | 60 |
|                                              | 28.11.88 to 31.12.88                  | 30                       | -  | 30         | 25 | 30          | 25 | 30           | 25 | 30            | 25 | 30          | 25 |
| 1989-90                                      | 01.01.89 to 14.04.89                  | 15                       | -  | 30         | 25 | 30          | 25 | 30           | 25 | 30            | 25 | 30          | 25 |
|                                              | 15.04.89 to 30.06.89                  | 15                       | -  | 30         | 25 | 30          | 25 | 40           | 30 | 50            | 40 | 60          | 50 |
|                                              |                                       |                          |    |            |    |             |    |              |    |               |    | (Contd..)   |    |

| 7.14 POWER RESTRICTIONS for HT Consumers |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                         |                                                                                         |                                                                                         |
|------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|
| 1999-2K                                  | No power cuts during this year                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                         |                                                                                         |                                                                                         |
| 2000-01                                  | No power cuts during this year                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                         |                                                                                         |                                                                                         |
| 2001-02                                  | No power cuts during this year                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                         |                                                                                         |                                                                                         |
| 2002-03                                  | No power cuts during this year                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                         |                                                                                         |                                                                                         |
| 2003-04                                  | No power cuts during this year                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                         |                                                                                         |                                                                                         |
| 2004-05                                  | No power cuts during this year                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                         |                                                                                         |                                                                                         |
| 2005-06                                  | No power cuts during this year                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                         |                                                                                         |                                                                                         |
| 2006-07                                  | No power cuts during this year                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                         |                                                                                         |                                                                                         |
| 2007-08                                  | No power cuts during this year                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                         |                                                                                         |                                                                                         |
| 2008-09                                  | No power cuts during this year                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                         |                                                                                         |                                                                                         |
| 2009-10                                  | three day power holiday per week was imposed on industrial sector from 07-04-2009.Power holidays were gradually lifted after reduction of agricultural demand                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                         |                                                                                         |                                                                                         |
| 2010-11                                  | One and half power holiday is reduced to One day Power holiday for SSI units from 21-04-2010.Power holidays to other industries are reduced to one day from two days w.e.f 27-04-2010 for other industries .Power holidays to all industries except continuous industries were lifted from 08-05-2010.Power holiday to continuous industries were also lifted from 20-05-2010.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                         |                                                                                         |                                                                                         |
| 2011-12                                  | <ul style="list-style-type: none"> <li>One day power holiday was announced to industries from 01-04-2011 and lifted from 16-04-2011.</li> <li>Again one day Power holiday was announced to Industries from 25-09-2011 with peak hour restrictions (from 18:30 to 22:30 hrs)</li> <li>From 02-10-2011 Power holiday enhanced to 2days a week with peak hour restriction.</li> <li>From 05-11-2011 Industry is categorized as continuous process industry and non continuous process industries with evening peak hour restrictions.For continuous process industry :70% during day time and 50% during peak.</li> <li>From 08-12-2011 restrictions for continuous process industry reduced to 60% for day time and 40% during peak. (No change for Non-Continuous process industry).• Power holidays lifted to all industries from 13-01-2012</li> <li>From 21-01-2012 70% supply to continuous process industry during day time i.e from 6:00 AM to 6:00 PM and 100% supply for balance period. No LR for non-continuous process industries. • During the period 11-02-2012 to 29-02-2012 5 days power holidays to continuous process Industries.</li> <li>One day power holiday introduced to non-continuous process industries from 15-02-2012 and enhanced to 2days/week from 18-02-2012 and 3 days/week ( or 40% cut for the total March month) from 08-03-2012. Peak hour restrictions also imposed from 08-03-2012.</li> <li>12 days power holiday ( or 40% cut for the total March Month) for continuous process industries for the month of March'12 with peak load restrictions.</li> </ul> |                                                                                         |                                                                                         |                                                                                         |
| 2012-13                                  | Industries : As per Hon'ble APERC orders on Restriction and Control Measures dated 7.9.2012/ 14.9.12 restrictions on contract demand and energy consumption on various industries from 12th September 2012 to March 2013                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                         |                                                                                         |                                                                                         |
| 2013-14                                  | <p>a) Industries : As per Hon'ble APERC orders on Restriction and Control Measures dated 17.04.2013 restrictions on contract demand and energy consumption on various industries is being implemented from meter reading date April 2013 to meter reading data of June 2013</p> <p>b) As per Hon'ble APERC amendment orders on Restriction and Control Measures dated 15-6-2013 the supply enhanced from 66% to 80% and will be in force till the meter reading date of September 2013.</p> <p>c) As per Hon'ble APERC amendment orders on Restriction and Control Measures dated 2-7-2013, the supply enhanced from 80% to 100% during the peak hours and 40% to 50% and will be in force till the meter reading date of July 2013 to meter reading date of September 2013</p> <p>d) As per Hon'ble APERC amendment orders on Restriction and Control Measures dated 31-7-2013 the restrictions and control measures completely lifted from 1-8-2013.</p> <p>e) There was no power restrictions during 1-8-2013 to 02-3-2014.</p> <p>f) From 3-3-2014 onwards one day power holiday in a week was imposed.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                         |                                                                                         |                                                                                         |
| 2014-15<br>Combined<br>AP                | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | From 03.03.2014                                                                         | From 09.05.2014                                                                         | From 14.05.2014                                                                         |
|                                          | Hyderabad                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 3 Hours in two spells                                                                   | 3 Hours in two spells                                                                   | 3 Hours in two spells                                                                   |
|                                          | Tirupati,Vizag and warangal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 3 Hours in two spells                                                                   | 3 Hours in two spells                                                                   | 3 Hours in two spells                                                                   |
|                                          | Corporationd and District Headquarters                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 3 Hours in two spells                                                                   | 3 Hours in two spells                                                                   | 3 Hours in two spells                                                                   |
|                                          | Towns and Muniipalities                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 4 Hours in two spells                                                                   | 4 Hours in two spells                                                                   | 4 Hours in two spells                                                                   |
|                                          | Mandal HQ                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 6 Hours in two spells                                                                   | 6 Hours in two spells                                                                   | 6 Hours in two spells                                                                   |
|                                          | Rurals                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Lighting supply during 06.00PM to 06.00AM and day supply along with agriculture supply. | Lighting supply during 06.00PM to 06.00AM and day supply along with agriculture supply. | Lighting supply during 06.00PM to 06.00AM and day supply along with agriculture supply. |
|                                          | Industries                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | One day Power Holiday in a week.                                                        | One day Power Holiday in a week.                                                        | Nil.                                                                                    |
| 2014-15<br>Residual<br>AP                | <b>From 14/05/2014</b><br>Tirupati and Vizag : 3 Hours in two spells<br>Corporations and District Head quarters:3Hours in two spells<br>Towns & Municipalities:4 Hours in two spells<br>Mandal HQ :6 Hours in two spells<br>Rurals : Lighting supply during 06:00 PM to 06:00AM and day supply                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                         | <b>From 01/03/2015</b><br><br>NIL                                                       |                                                                                         |

| 7.14 POWER RESTRICTIONS (2015-2016) |                                                                                                                                                                           |             |
|-------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| 2015-16                             | 1.Total Load Shedding in the state during the year 2015-16 : <b>21MU</b><br>(Includes Industrial Load relief of Nil MU)                                                   |             |
|                                     | 2.R&C measures to Domestic Sector and Power Holidays to Industries:                                                                                                       |             |
|                                     |                                                                                                                                                                           | For 2015-16 |
|                                     | Tirupati and Vizag                                                                                                                                                        | Nil         |
|                                     | Corporations and District Head Quarters                                                                                                                                   |             |
|                                     | Towns & Municipalities                                                                                                                                                    |             |
|                                     | Mandal HQ                                                                                                                                                                 |             |
|                                     | Rurals                                                                                                                                                                    |             |
|                                     | Industries                                                                                                                                                                |             |
|                                     | 3.Power Supply to Agricultural sector:<br>i)Three Phase Supply : 7 Hours in one or two spells.<br>li)Single phase supply : No single phase supply for agriculture sector. |             |

**7.15(A) THEFT OF ENERGY CASES IN A.P**

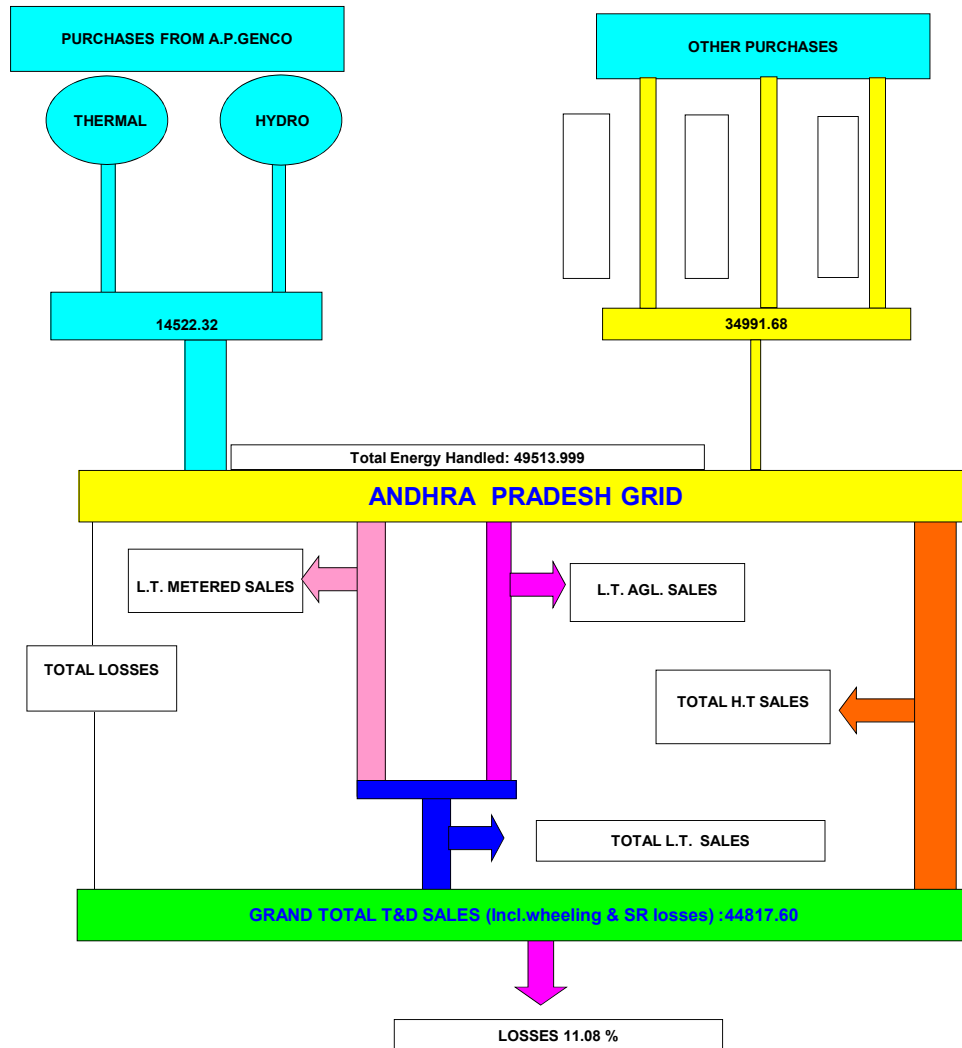
**DISTRICT WISE STATEMENT OF CASES REPORTED AND COMPOUNDED  
DURING 2015-16**

| S.No. | District/ APTS     | No.of<br>cases<br>reported | Assessment<br>amount<br>Collected<br>(In Lakhs) | Cases<br>compounded | Compounding<br>amount<br>collected<br>(in Lakhs) | Persons<br>arrested |
|-------|--------------------|----------------------------|-------------------------------------------------|---------------------|--------------------------------------------------|---------------------|
|       | <b>APEPDCL</b>     |                            |                                                 |                     |                                                  |                     |
| 1     | Srikakulam         | 722                        | 26.33                                           | 724                 | 7.39                                             | 0                   |
| 2     | Vizianagaram       | 641                        | 34.44                                           | 618                 | 5.80                                             | 0                   |
| 3     | Visakhapatnam      | 813                        | 92.50                                           | 795                 | 14.28                                            | 0                   |
| 4     | East Godavari      | 1136                       | 272.56                                          | 1108                | 71.31                                            | 0                   |
| 5     | West Godavari      | 1191                       | 179.60                                          | 1182                | 73.86                                            | 0                   |
|       | <b>Total</b>       | <b>4503</b>                | <b>605.43</b>                                   | <b>4427</b>         | <b>172.64</b>                                    | <b>0</b>            |
|       | <b>APSPDCL</b>     |                            |                                                 |                     |                                                  |                     |
| 1     | Krishna            | 2608                       | 43.36                                           | 2640                | 27.15                                            | 0                   |
| 2     | Guntur             | 4126                       | 253.42                                          | 4078                | 73.1                                             | 3                   |
| 3     | Prakasam           | 4570                       | 107.87                                          | 4671                | 48.38                                            | 1                   |
| 4     | Nellore            | 5167                       | 260.15                                          | 5158                | 67.76                                            | 0                   |
| 5     | Chittoor           | 5473                       | 95.30                                           | 5479                | 38.5                                             | 1                   |
| 6     | Kadapa             | 10711                      | 132.47                                          | 10662               | 88.52                                            | 0                   |
| 7     | Ananatapur         | 9893                       | 204.71                                          | 10047               | 88.89                                            | 0                   |
| 8     | Kurnool            | 14941                      | 321.69                                          | 13274               | 92.4                                             | 1                   |
|       | <b>Total</b>       | <b>57489</b>               | <b>1418.97</b>                                  | <b>56009</b>        | <b>524.7</b>                                     | <b>6</b>            |
|       | <b>Grand Total</b> | <b>61992</b>               | <b>2024.40</b>                                  | <b>60436</b>        | <b>697.34</b>                                    | <b>6</b>            |

**7.15 (B) THEFT OF ENERGY CASES IN A.P.**

| <b>Year</b>                                   | <b>Theft cases registered by APTS</b> | <b>Cases compounded</b> | <b>No. of arrests</b> | <b>Assessed amount Collected (Rs. in lakhs)</b> | <b>Compounding amount Collected (Rs. in lakhs)</b> |
|-----------------------------------------------|---------------------------------------|-------------------------|-----------------------|-------------------------------------------------|----------------------------------------------------|
| 2000-01                                       | 18505                                 | 11798                   | 1778                  | 900.99                                          | 783.29                                             |
| 2001-02                                       | 35536                                 | 31494                   | 801                   | 1261.45                                         | 1127.72                                            |
| 2002-03                                       | 108889                                | 68424                   | 1505                  | 1315.82                                         | 760.53                                             |
| 2003-04                                       | 91168                                 | 81082                   | 1816                  | 1307.70                                         | 850.84                                             |
| 2004-05                                       | 128006                                | 78505                   | 1278                  | 1108.15                                         | 746.56                                             |
| 2005-06                                       | 165510                                | 130670                  | 2710                  | 1293.11                                         | 1023.35                                            |
| 2006-07                                       | 108398                                | 125292                  | 1306                  | 1060.90                                         | 1031.72                                            |
| 2007-08                                       | 125913                                | 125755                  | 708                   | 1234.92                                         | 1013.10                                            |
| 2008-09                                       | 101603                                | 65678                   | 75                    | 929.89                                          | 625.28                                             |
| 2009-10                                       | 117312                                | 86431                   | 39                    | 1296.93                                         | 816.97                                             |
| 2010-11                                       | 133473                                | 140689                  | 94                    | 2011.66                                         | 1206.69                                            |
| 2011-12                                       | 87671                                 | 152760                  | 15                    | 811.27                                          | 1373.21                                            |
| 2012-13                                       | 116672                                | 121830                  | 25                    | 5394.28                                         | 1211.13                                            |
| 2013-14                                       | 99454                                 | 101514                  | 72                    | 8684.22                                         | 1043.38                                            |
| 2014-15<br>(Apr-14 to May-14)<br>Combined AP  | 16542                                 | 17038                   | 12                    | 965.82                                          | 201.515                                            |
| 2014-15<br>(Jun-14 to Mar-15)<br>Residuary AP | 41654                                 | 40634                   | 11                    | 1805.82                                         | 426.125                                            |
| 2015-16                                       | 61992                                 | 60436                   | 6                     | 2024.4                                          | 697.3                                              |

**A.P.TRANS CO ENERGY BALANCE SHEET 2015-16**  
(ALL FIGURES IN MU)



## **8. RURAL ELECTRIFICATION**

### 8.1 - RURAL ELECTRIFICATION PROGRESS AS ON 31-03-2016 AND PROGRAMMED FOR 2016-17

| Sl. No. | Particulars                                                                                                                             | Total Existing in the State as on 31-03-2016 (Nos.)  | Total Electrified as on 31-03-2015 (Nos.)            | Electrified during 2015-16 (Nos.) | Total Electrified as on 31-03-2016                   |                                           | Balance to be electrified as on 31.03.2016 | Programmed to be electrified during 2016-17 |
|---------|-----------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------|------------------------------------------------------|-----------------------------------|------------------------------------------------------|-------------------------------------------|--------------------------------------------|---------------------------------------------|
|         |                                                                                                                                         |                                                      |                                                      |                                   | (Nos.)                                               | (%)                                       |                                            |                                             |
| 1       | Towns (as per 2011 census) @                                                                                                            | 195                                                  | 195                                                  | All electrified                   | 195                                                  | 100.00                                    | All electrified                            | All electrified                             |
| 2       | Villages (as per 2011 census) @                                                                                                         | 16452                                                | 16452                                                | All electrified                   | 16452                                                | 100.00                                    | All electrified                            | All electrified                             |
| 3       | General Hamlets \$                                                                                                                      | 24001                                                | 23475                                                | 0                                 | 23475                                                | 97.81                                     | 526                                        | 526                                         |
| 4       | Dalitwadass \$                                                                                                                          | 37402                                                | 36309                                                | 3                                 | 36312                                                | 97.09                                     | 1090                                       | 1090                                        |
| 5       | Weaker Section Colonies \$                                                                                                              | 22378                                                | 21725                                                | 0                                 | 21725                                                | 97.08                                     | 653                                        | 653                                         |
| 6       | Tribal Hamlets/Habitations \$                                                                                                           | 5536                                                 | 5136                                                 | 128                               | 5264                                                 | 95.09                                     | 272                                        | 272                                         |
| 7       | SPV Villages \$                                                                                                                         | 3725                                                 | 3725                                                 | 0                                 | 3725                                                 | 100.00                                    | 0                                          | 0                                           |
| Sl. No. | Particulars                                                                                                                             | Total Energized in the State as on 31-03-2016 (Nos.) | Total Energized in the State as on 31-03-2015 (Nos.) | Energized during 2015-16 (Nos.)   | Total Energized in the State as on 31-03-2016 (Nos.) | Programmed to be Energized during 2016-17 |                                            |                                             |
| 8       | Total Agricultural services released in the state as on 31.03.2016, released during 2015-16 and proposed to be released during 2016-17. | 1581855                                              | 1509495                                              | 72360                             | 1581855                                              | 50000                                     |                                            |                                             |

@ Reconciled figures as per census 2011

\$ Reconciled figures as per census 2011

**8.2- DISTRICT- WISE GENERAL HAMLETS,TRIBAL HAMLETS/HABITATIONS, DALITWADAS AND WEAKER SECTION COLONIES EXISTING, ELECTRIFIED AND PERCENTAGE OF ELECTRIFIED AS ON 31-03-2016**

| S.No. | DISTRICT/DISCOM        | GENERAL HAMLETS |              |              | TRIBAL HAMLETS/ HABITATIONS |             |              | DALIT WADAS  |              |              | WEAKER SECTION COLONIES |              |              | GRAND TOTAL  |              |              |
|-------|------------------------|-----------------|--------------|--------------|-----------------------------|-------------|--------------|--------------|--------------|--------------|-------------------------|--------------|--------------|--------------|--------------|--------------|
|       |                        | Existing        | Electrified  | %            | Existing                    | Electrified | %            | Existing     | Electrified  | %            | Existing                | Electrified  | %            | Existing     | Electrified  | %            |
| 1     | 2                      | 3               | 4            | 5            | 6                           | 7           | 8            | 9            | 10           | 11           | 12                      | 13           | 14           | 15           | 16           | 17           |
|       | <b>EPDCL</b>           |                 |              |              |                             |             |              |              |              |              |                         |              |              |              |              |              |
| 1     | SRIKAKULAM             | 1305            | 1305         | 100.00       | 880                         | 869         | 98.75        | 1922         | 1922         | 100.00       | 1783                    | 1774         | 99.50        | 5890         | 5870         | 99.66        |
| 2     | VIZIANAGARAM           | 779             | 779          | 100.00       | 1158                        | 1158        | 100.00       | 1703         | 1703         | 100.00       | 887                     | 863          | 97.29        | 4527         | 4503         | 99.47        |
| 3     | VISAKHAPATNAM          | 1293            | 1287         | 99.54        | 1885                        | 1885        | 100.00       | 1265         | 1265         | 100.00       | 816                     | 815          | 99.88        | 5259         | 5252         | 99.87        |
| 4     | EAST GODAVARI          | 939             | 938          | 99.89        | 407                         | 407         | 100.00       | 3155         | 3155         | 100.00       | 1867                    | 1859         | 99.57        | 6368         | 6359         | 99.86        |
| 5     | WEST GODAVARI          | 1966            | 1960         | 99.69        | 227                         | 225         | 99.12        | 2949         | 2940         | 99.69        | 1448                    | 1439         | 99.38        | 6590         | 6564         | 99.61        |
|       | <b>TOTAL for EPDCL</b> | <b>6282</b>     | <b>6269</b>  | <b>99.79</b> | <b>4557</b>                 | <b>4544</b> | <b>99.71</b> | <b>10994</b> | <b>10985</b> | <b>99.92</b> | <b>6801</b>             | <b>6750</b>  | <b>99.25</b> | <b>28634</b> | <b>28548</b> | <b>99.70</b> |
|       | <b>SPDCL</b>           |                 |              |              |                             |             |              |              |              |              |                         |              |              |              |              |              |
| 6     | KRISHNA                | 959             | 959          | 100.00       | 0                           | 0           | 0.00         | 2729         | 2729         | 100.00       | 2488                    | 2488         | 100.00       | 6176         | 6176         | 100.00       |
| 7     | GUNTUR                 | 1264            | 1255         | 99.29        | 226                         | 192         | 84.96        | 2667         | 2544         | 95.39        | 902                     | 840          | 93.13        | 5059         | 4831         | 95.49        |
| 8     | PRAKASAM               | 1395            | 1241         | 88.96        | 109                         | 82          | 75.23        | 3782         | 3490         | 92.28        | 1439                    | 1369         | 95.14        | 6725         | 6182         | 91.93        |
| 9     | SPS NELLORE            | 1398            | 1346         | 96.28        | 64                          | 0           | 0.00         | 4738         | 4639         | 97.91        | 1299                    | 1237         | 95.23        | 7499         | 7222         | 96.31        |
| 10    | CHITTOOR               | 7711            | 7702         | 99.88        | 171                         | 136         | 79.53        | 4512         | 4366         | 96.76        | 3140                    | 3115         | 99.20        | 15534        | 15319        | 98.62        |
| 11    | KADAPA                 | 2158            | 2158         | 100.00       | 13                          | 5           | 38.46        | 2312         | 2270         | 98.18        | 2009                    | 1954         | 97.26        | 6492         | 6387         | 98.38        |
| 12    | ANANTAPUR              | 1792            | 1766         | 98.55        | 265                         | 217         | 81.89        | 3106         | 3036         | 97.75        | 1912                    | 1729         | 90.43        | 7075         | 6748         | 95.38        |
| 13    | KURNOOL                | 1042            | 779          | 74.76        | 131                         | 88          | 67.18        | 2562         | 2253         | 87.94        | 2388                    | 2243         | 93.93        | 6123         | 5363         | 87.59        |
|       | <b>TOTAL for SPDCL</b> | <b>17719</b>    | <b>17206</b> | <b>97.10</b> | <b>979</b>                  | <b>720</b>  | <b>73.54</b> | <b>26408</b> | <b>25327</b> | <b>95.91</b> | <b>15577</b>            | <b>14975</b> | <b>96.14</b> | <b>60683</b> | <b>58228</b> | <b>95.95</b> |
|       | <b>STATE TOTAL</b>     | <b>24001</b>    | <b>23475</b> | <b>97.81</b> | <b>5536</b>                 | <b>5264</b> | <b>95.09</b> | <b>37402</b> | <b>36312</b> | <b>97.09</b> | <b>22378</b>            | <b>21725</b> | <b>97.08</b> | <b>89317</b> | <b>86776</b> | <b>97.16</b> |

**8.3 - VILLAGES ELECTRIFIED WITH SPV PANELS - DISTRICT- WISE LAYING OF  
CONVENTIONAL LINES IN PLACE OF DEFUNCT SPV PANELS  
AS ON 31.03.2016 AND BALANCE TO BE ELECTRIFIED.**

| Sl. No. | District / Discom      | Existing (in Nos) | Electrified During 2015-16 (in Nos) | Total Electrified upto 31-03-2016 | % Electrified | Balance to be Electrified as on 31.03.2016 | Programmed to be electrified during 2016-17 |
|---------|------------------------|-------------------|-------------------------------------|-----------------------------------|---------------|--------------------------------------------|---------------------------------------------|
| 1       | 2                      | 3                 | 4                                   | 5                                 | 6             | 7                                          | 8                                           |
|         | <b>EPDCL</b>           |                   |                                     |                                   |               |                                            |                                             |
| 1       | SRIKAKULAM             | 53                | 0                                   | 53                                | 100.00        | 0                                          | 0                                           |
| 2       | VIZIANAGARAM           | 157               | 0                                   | 157                               | 100.00        | 0                                          | 0                                           |
| 3       | VISAKHAPATNAM          | 2627              | 0                                   | 2627                              | 100.00        | 0                                          | 0                                           |
| 4       | EAST GODAVARI          | 491               | 0                                   | 491                               | 100.00        | 0                                          | 0                                           |
| 5       | WEST GODAVARI          | 0                 | 0                                   | 0                                 | 0.00          | 0                                          | 0                                           |
|         | <b>TOTAL for EPDCL</b> | <b>3328</b>       | <b>0</b>                            | <b>3328</b>                       | <b>100.00</b> | <b>0</b>                                   | <b>0</b>                                    |
|         | <b>SPDCL</b>           |                   |                                     |                                   |               |                                            |                                             |
| 6       | KRISHNA                | 0                 | 0                                   | 0                                 | 0.00          | 0                                          | 0                                           |
| 7       | GUNTUR                 | 0                 | 0                                   | 0                                 | 0.00          | 0                                          | 0                                           |
| 8       | PRAKASAM               | 1                 | 0                                   | 1                                 | 100.00        | 0                                          | 0                                           |
| 9       | SPS NELLORE            | 10                | 0                                   | 10                                | 100.00        | 0                                          | 0                                           |
| 10      | CHITTOOR               | 386               | 0                                   | 386                               | 100.00        | 0                                          | 0                                           |
| 11      | YSR KADAPA             | 0                 | 0                                   | 0                                 | 100.00        | 0                                          | 0                                           |
| 12      | ANANTAPUR              | 0                 | 0                                   | 0                                 | 0.00          | 0                                          | 0                                           |
| 13      | KURNOOL                | 0                 | 0                                   | 0                                 | 0.00          | 0                                          | 0                                           |
|         | <b>TOTAL for SPDCL</b> | <b>397</b>        | <b>0</b>                            | <b>397</b>                        | <b>100.00</b> | <b>0</b>                                   | <b>0</b>                                    |
|         | <b>STATE TOTAL</b>     | <b>3725</b>       | <b>0</b>                            | <b>3725</b>                       | <b>100.00</b> | <b>0</b>                                   | <b>0</b>                                    |

**8.4-AGRICULTURAL SERVICES RELEASED IN ANDHRA PRADESH  
AS ON 31-03-2016**

| <b>S.<br/>No.</b> | <b>DISCOM/DISTRICT</b> | <b>Total Agl.<br/>services<br/>as on<br/>31-03-2015</b> | <b>Agl. services<br/>released<br/>during<br/>2015-16</b> | <b>Total Agl.<br/>services<br/>released as on<br/>31-03-2016</b> |
|-------------------|------------------------|---------------------------------------------------------|----------------------------------------------------------|------------------------------------------------------------------|
| <b>EPDCL</b>      |                        |                                                         |                                                          |                                                                  |
| 1                 | SRIKAKULAM             | 29927                                                   | 419                                                      | 30346                                                            |
| 2                 | VIZIANAGARAM           | 38531                                                   | 1197                                                     | 39728                                                            |
| 3                 | VISAKHAPATNAM          | 38006                                                   | 1240                                                     | 39246                                                            |
| 4                 | EAST GODAVARI          | 47905                                                   | 1078                                                     | 48983                                                            |
| 5                 | WEST GODAVARI          | 91444                                                   | 2093                                                     | 93537                                                            |
|                   | <b>TOTAL</b>           | <b>245813</b>                                           | <b>6027</b>                                              | <b>251840</b>                                                    |
| <b>SPDCL</b>      |                        |                                                         |                                                          |                                                                  |
| 6                 | KRISHNA                | 92484                                                   | 4233                                                     | 96717                                                            |
| 7                 | GUNTUR                 | 88090                                                   | 8654                                                     | 96744                                                            |
| 8                 | PRAKASAM               | 140990                                                  | 8686                                                     | 149676                                                           |
| 9                 | SPS NELLORE            | 158778                                                  | 7538                                                     | 166316                                                           |
| 10                | CHITTOOR               | 296106                                                  | 5808                                                     | 301914                                                           |
| 11                | KADAPA                 | 142428                                                  | 7644                                                     | 150072                                                           |
| 12                | ANANTAPUR              | 214257                                                  | 14054                                                    | 228311                                                           |
| 13                | KURNOOL                | 130549                                                  | 9716                                                     | 140265                                                           |
|                   | <b>TOTAL</b>           | <b>1263682</b>                                          | <b>66333</b>                                             | <b>1330015</b>                                                   |
|                   | <b>STATE TOTAL</b>     | <b>1509495</b>                                          | <b>72360</b>                                             | <b>1581855</b>                                                   |

**8.5 - YEAR- WISE AND CUMULATIVE NUMBER OF AGRICULTURAL PUMP-SETS  
ENERGISED IN THE A.P.STATE.**

(Including R.E.Co-operatives)  
(1960 - 2016)

| S. No. | Year                               | Year -wise Number of<br>Agriculture pump-sets<br>energised | Cumulative Number of<br>Agricultural pump-sets<br>energised |
|--------|------------------------------------|------------------------------------------------------------|-------------------------------------------------------------|
| 1      | 2                                  | 3                                                          | 4                                                           |
| 1      | 1960-61                            | 4580                                                       | 17968                                                       |
| 2      | 1961-62                            | 5819                                                       | 23787                                                       |
| 3      | 1962-63                            | 6809                                                       | 30596                                                       |
| 4      | 1963-64                            | 5345                                                       | 35941                                                       |
| 5      | 1964-65                            | 8868                                                       | 44809                                                       |
| 6      | 1965-66                            | 12416                                                      | 57225                                                       |
| 7      | 1966-67                            | 9519                                                       | 66744                                                       |
| 8      | 1967-68                            | 24635                                                      | 91379                                                       |
| 9      | 1968-69                            | 30942                                                      | 122321                                                      |
| 10     | 1969-70                            | 34179                                                      | 156500                                                      |
| 11     | 1970-71                            | 29238                                                      | 185738                                                      |
| 12     | 1971-72                            | 26466                                                      | 212204                                                      |
| 13     | 1972-73                            | 24997                                                      | 237201                                                      |
| 14     | 1973-74                            | 24788                                                      | 261989                                                      |
| 15     | 1974-75                            | 13083                                                      | 275072                                                      |
| 16     | 1975-76                            | 8518                                                       | 283590                                                      |
| 17     | 1976-77                            | 12778                                                      | 296368                                                      |
| 18     | 1977-78                            | 21989                                                      | 318357                                                      |
| 19     | 1978-79                            | 26945                                                      | 345302                                                      |
| 20     | 1979-80                            | 42990                                                      | 388292                                                      |
| 21     | 1980-81                            | 55303                                                      | 443595                                                      |
| 22     | 1981-82                            | 43063                                                      | 486658                                                      |
| 23     | 1982-83                            | 49115                                                      | 535773                                                      |
| 24     | 1983-84                            | 43513                                                      | 579286                                                      |
| 25     | 1984-85                            | 56717                                                      | 636003                                                      |
| 26     | 1985-86                            | 88712                                                      | 724715                                                      |
| 27     | 1986-87                            | 94808                                                      | 819523                                                      |
| 28     | 1987-88                            | 117235                                                     | 936758                                                      |
| 29     | 1988-89                            | 99726                                                      | 1036484                                                     |
| 30     | 1989-90                            | 75085                                                      | 1111569                                                     |
| 31     | 1990-91                            | 81794                                                      | 1193363                                                     |
| 32     | 1991-92                            | 80609                                                      | 1273972                                                     |
| 33     | 1992-93                            | 124077                                                     | 1398049                                                     |
| 34     | 1993-94                            | 106926                                                     | 1504975                                                     |
| 35     | 1994-95                            | 100832                                                     | 1605807                                                     |
| 36     | 1995-96                            | 37186                                                      | 1642993                                                     |
| 37     | 1996-97                            | 178298                                                     | 1821291                                                     |
| 38     | 1997-98                            | ★ 3398                                                     | 1824689                                                     |
| 39     | 1998-99                            | 59997                                                      | 1884686                                                     |
| 40     | 1999-2K                            | 48227                                                      | 1932913                                                     |
| 41     | 2000-01                            | 6660                                                       | 1939573                                                     |
| 42     | 2001-02                            | 267479                                                     | 2207052                                                     |
| 43     | 2002-03                            | 50917                                                      | 2257969                                                     |
| 44     | 2003-04                            | 51636                                                      | 2309605                                                     |
| 45     | 2004-05                            | 64760                                                      | 2374365                                                     |
| 46     | 2005-06                            | 66458                                                      | 2440823                                                     |
| 47     | 2006-07                            | 86977                                                      | 2527800                                                     |
| 48     | 2007-08                            | 71835                                                      | 2599635                                                     |
| 49     | 2008-09                            | 81036                                                      | 2680671                                                     |
| 50     | 2009-10                            | 88604                                                      | 2769275                                                     |
| 51     | 2010-11                            | 139731                                                     | 2909006                                                     |
| 52     | 2011-12                            | 152908                                                     | 3061914                                                     |
| 52     | 2012-13                            | 141957                                                     | 3203871                                                     |
| 53     | 2013-14                            | 140766                                                     | 3344637                                                     |
| 54     | 2014-15                            | 60828                                                      | 1509495*                                                    |
| 55     | 2015-16                            | 72360                                                      | 1581855                                                     |
| ★      | Pumpsets Energised by RESCOs only. |                                                            | * Data for residual AP                                      |

### 8.6 YEAR- WISE REC SCHEMES AS ON 31.03.2016

(Rs.In Crores)

| Sl. No | Year         | No.of Schemes Sanctioned | Loan Amount Sanctioned by |               | Loan Amount Released by |               |
|--------|--------------|--------------------------|---------------------------|---------------|-------------------------|---------------|
|        |              |                          | REC                       | Banks         | REC                     | Banks         |
| 1      | 1969-70      | 2                        | 0.91                      | --            | --                      | --            |
| 2      | 1970-71      | 8                        | 5.52                      | --            | 1.07                    | --            |
| 3      | 1971-72      | 5                        | 2.89                      | --            | 3.02                    | --            |
| 4      | 1972-73      | 16                       | 5.74                      | --            | 3.58                    | --            |
| 5      | 1973-74      | 37                       | 6.96                      | --            | 5.46                    | --            |
| 6      | 1974-75      | 33                       | 7.99                      | --            | 4.72                    | --            |
| 7      | 1975-76      | 28                       | 8.11                      | --            | 4.76                    | --            |
| 8      | 1976-77      | 24                       | 7.79                      | --            | 6.29                    | --            |
| 9      | 1977-78      | 33                       | 9.86                      | --            | 8.45                    | --            |
| 10     | 1978-79      | 70                       | 14.68                     | 10.865        | 10.33                   | --            |
| 11     | 1979-80      | 48                       | 6.83                      | 6.100         | 11.30                   | 3.43          |
| 12     | 1980-81      | 91                       | 16.81                     | 15.460        | 12.16                   | 6.97          |
| 13     | 1981-82      | 75                       | 14.55                     | 15.887        | 12.67                   | 7.20          |
| 14     | 1982-83      | 101                      | 22.68                     | 24.402        | 14.34                   | 12.80         |
| 15     | 1983-84      | 167                      | 39.14                     | 39.436        | 16.51                   | 16.63         |
| 16     | 1984-85      | 165                      | 39.03                     | 26.242        | 13.06                   | 25.88         |
| 17     | 1985-86      | 171                      | 30.12                     | 43.020        | 36.01                   | 28.78         |
| 18     | 1986-87      | 281                      | 54.16                     | 63.964        | 43.30                   | 46.25         |
| 19     | 1987-88      | 376                      | 96.83                     | 57.551        | 60.61                   | 49.69         |
| 20     | 1988-89      | 305                      | 61.65                     | 84.538        | 46.42                   | 51.64         |
| 21     | 1989-90      | 217                      | 43.04                     | 33.880        | 45.63                   | 57.28         |
| 22     | 1990-91      | 206                      | 53.75                     | 37.621        | 52.38                   | 39.01         |
| 23     | 1991-92      | 137                      | 55.66                     | 24.793        | 26.12                   | 40.04         |
| 24     | 1992-93      | 357                      | 80.94                     | 43.171        | 45.08                   | 42.49         |
| 25     | 1993-94      | 509                      | 97.98                     | 112.803       | 100.00                  | 64.80         |
| 26     | 1994-95      | 551                      | 146.64                    | 149.837       | 127.10                  | 120.72        |
| 27     | 1995-96      | 50                       | 40.86                     | --            | 56.01                   | 43.70         |
| 28     | 1996-97      | 22                       | 24.91                     | --            | 37.93                   | 3.71          |
| 29     | 1997-98      | 32                       | 34.22                     | --            | 6.85                    | -             |
| 30     | 1998-99      | 135                      | 229.53                    | --            | 105.79                  | -             |
| 31     | 1999-2K      | 18                       | 63.41                     | --            | 95.55                   | --            |
| 32     | 2000-01      | 293                      | 878.21                    | --            | 399.09                  | --            |
| 33     | 2001-02      | 123                      | 912.89                    | --            | 414.70                  | --            |
| 34     | 2002-03      | 181                      | 978.61                    | --            | 726.40                  | --            |
| 35     | 2003-04      | 365                      | 1327.55                   | --            | 967.04                  | --            |
| 36     | 2004-05      | 256                      | 687.00                    | --            | 870.07                  | --            |
| 37     | 2005-06      | 116                      | 2062.91                   | --            | 600.44                  | --            |
| 38     | 2006-07      | 122                      | 1272.05                   | --            | 605.34                  | --            |
| 39     | 2007-08      | 102                      | 1399.64                   | --            | 944.38                  | --            |
| 40     | 2008-09      | 77                       | 632.18                    | --            | 732.25                  | --            |
| 41     | 2009-10      | 91                       | 1449.58                   | --            | 1152.66                 | --            |
| 42     | 2010-11      | 75                       | 1416.53                   | --            | 1208.08                 | --            |
| 43     | 2011-12      | 175                      | 2854.17                   | --            | 1103.84                 | --            |
| 44     | 2012-13      | 140                      | 3389.05                   | --            | 2933.50                 | --            |
| 45     | 2013-14      | 416                      | 5202.59                   | --            | 1542.21                 | --            |
| 46     | 2014-15      | 48                       | 700.12                    | --            | 7.83                    | --            |
| 47     | 2015-16      | 22                       | 2958.27                   | --            | 667.57                  | --            |
|        | <b>TOTAL</b> | <b>6872</b>              | <b>29444.54</b>           | <b>789.57</b> | <b>15887.90</b>         | <b>661.03</b> |

### 8.7 REC SCHEMES - ACHIEVEMENTS (PHYSICAL)

Electrified as on 31-03-2016

| Sl.No. | Particulars                           | Existing /Target (Nos.) | Achievement (Nos.) | Programmed to be released during 2016-17 |
|--------|---------------------------------------|-------------------------|--------------------|------------------------------------------|
| 1      | 2                                     | 3                       | 4                  | 5                                        |
| 1      | SPV.Villages                          | 3,725                   |                    | 0                                        |
| 2      | General Hamlets                       | 24,001                  | 23,475             | 526                                      |
| 3      | Pump-sets energization during 2015-16 | 50000                   | 72,360             | 50,000                                   |
| 4      | Dalit Wadas/WSC/Tribal Habitations    | 65316                   | 63301              | 2,015                                    |

### 8.8 REC SCHEMES - LOANS SANCTIONED / RELEASED (INCLUDING BANKS)

1969- 70 TO 2015- 16 (SCHEME- WISE)

(Rs. in Crores)

| Sl.No. | Name of the Scheme                                                                                                                                                                                                                                                                       | No. of Schemes | Loan amount Sanctioned | Loan Amount Released as on 31-03-2016 |
|--------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|------------------------|---------------------------------------|
| 1      | 2                                                                                                                                                                                                                                                                                        | 3              | 4                      | 5                                     |
| 1      | <b>Interest free new schemes</b>                                                                                                                                                                                                                                                         |                |                        |                                       |
| i      | SPV Village electrification(P:VE(SG))                                                                                                                                                                                                                                                    | 14             | 33.4605                | 25.79                                 |
| ii     | Dalit Basties electrification(P:DB(SG))                                                                                                                                                                                                                                                  | 107            | 168.31                 | 162.71                                |
| iii    | Tribal hamlet electrification(P:HE(SG))                                                                                                                                                                                                                                                  | 30             | 54.34                  | 54.34                                 |
| 2      | Normal (P:IE)                                                                                                                                                                                                                                                                            | 561            | 340.40                 | 327.28                                |
| 3      | Dalit Basties electrification(P:DB)                                                                                                                                                                                                                                                      | 504            | 58.60                  | 47.12                                 |
| 4      | Tribal hamlet electrification(P:HE)                                                                                                                                                                                                                                                      | 3              | 2.33                   | 2.33                                  |
| 5      | MNP(Minimum Needed Programme)                                                                                                                                                                                                                                                            | 38             | 16.38                  | 16.38                                 |
|        | <b>RGVY SCHMES</b>                                                                                                                                                                                                                                                                       |                |                        |                                       |
| 2      | It is programmed to electrify 14,309 un-electrified habitations and 39,54,128 rural households at an estimated cost of Rs.887.40 crores under RGVY as per revised sanctions programmed in five years, i.e. 2005-06, 2006-07, 2007-08 , 2008-09, 2010-11, 2011-12,2012-13,2013-14&2014-15 | 22             | 887.40                 | 795.00                                |
| 3      | CEN/SISL/SPDGS<br>(Conservation of Energy in electrical Network ,System improvement and Special Loan Special projects & Decentralised Generating Systems)                                                                                                                                | 562            |                        |                                       |
| 4      | P:IE                                                                                                                                                                                                                                                                                     | 211            |                        |                                       |
| 5      | P:SI (33/11KV SS, 400/220KV SS, 132/33 KV SS)                                                                                                                                                                                                                                            | 428            |                        |                                       |
| 6      | SI (Meters)                                                                                                                                                                                                                                                                              | 91             |                        |                                       |
| 7      | SI (Transformers)                                                                                                                                                                                                                                                                        | 99             | 14406.4621             | 8443.97                               |
| 8      | SI (Conductors)                                                                                                                                                                                                                                                                          | 39             |                        |                                       |
| 9      | SI (VCBs)                                                                                                                                                                                                                                                                                | 9              |                        |                                       |
|        | SI (Lines)                                                                                                                                                                                                                                                                               | 91             |                        |                                       |
| 10     | SI (Bulk Loans)                                                                                                                                                                                                                                                                          | 20             |                        |                                       |
| 11     | STL                                                                                                                                                                                                                                                                                      | 63             |                        |                                       |
| 12     | SPDGS                                                                                                                                                                                                                                                                                    | 1              |                        |                                       |
| 13     | CE(P)                                                                                                                                                                                                                                                                                    | 2              |                        |                                       |
| 14     | LT                                                                                                                                                                                                                                                                                       | 8              |                        |                                       |
| 15     | HVDS (Addl.Loan)                                                                                                                                                                                                                                                                         | 228            | 7062.9394              | 1823.05                               |
| 16     | APDRP & R-APDRP                                                                                                                                                                                                                                                                          | 178            | 1713.36369             | 953.301                               |
| 17     | SPA: PE (Special Projects Agriculture)                                                                                                                                                                                                                                                   | 3339           | 5370.1306              | 3706.46                               |
| 18     | DDG under RGVY                                                                                                                                                                                                                                                                           | 214            | 40.9176                | 9.47                                  |
| 19     | OTHERS                                                                                                                                                                                                                                                                                   | 10             | 156.8099               | 29.22                                 |
|        | <b>TOTAL</b>                                                                                                                                                                                                                                                                             | <b>6872</b>    | <b>30311.84</b>        | <b>16396.42</b>                       |

### 8.9ACCIDENTS

| Sl.No | Category         | 1982-83 | 83-84  | 84-85  | 85-86  | 86-87  | 87-88   | 88-89  | 89-90   | 90-91   | 91-92   | 92-93   | 93-94   | 94-95 | 95-96 | 96-97   | 97-98   |
|-------|------------------|---------|--------|--------|--------|--------|---------|--------|---------|---------|---------|---------|---------|-------|-------|---------|---------|
| 1.    | DEPARTMENTAL     |         |        |        |        |        |         |        |         |         |         |         |         |       |       |         |         |
|       | A) Fatal         | 39      | 36     | 20     | 24     | 43     | 40      | 29     | 44      | 39      | 59      | 45      | 39      | 32    | 38    | 35      | 39      |
|       | B) Non-Fatal     | 160     | 135    | 89     | 89     | 52     | 86      | 80     | 91      | 82      | 119     | 123     | 81      | 82    | 98    | 83      | 73      |
|       | Total            | 199     | 171    | 109    | 113    | 95     | 126     | 109    | 135     | 121     | 178     | 168     | 120     | 114   | 136   | 118     | 112     |
| 2.    | NON-DEPARTMENTAL |         |        |        |        |        |         |        |         |         |         |         |         |       |       |         |         |
|       | A) Fatal         | 133     | 104    | 72     | 88     | 150    | 158     | 150    | 142     | 186     | 121     | 202     | 309     | 15    | 11    | 309     | 300     |
|       |                  | (a-60)  | (a-58) | (a-62) | (a-73) | (a-87) | (a-105) | (a-80) | (a-105) | (a-135) | (a-103) | (a-195) | (a-229) | -     | -     | (a-346) | (a-101) |
|       | B) Non-Fatal     | 51      | 31     | 24     | 43     | 33     | 29      | 54     | 46      | 13      | 2       | 4       | 28      | 20    | 11    | 56      | 42      |
|       | Total            | 184     | 135    | 96     | 131    | 183    | 187     | 204    | 188     | 199     | 123     | 206     | 337     | 35    | 22    | 365     | 342     |
| 3.    | GRAND TOTAL      |         |        |        |        |        |         |        |         |         |         |         |         |       |       |         |         |
|       | A) Fatal         | 172     | 140    | 92     | 112    | 193    | 198     | 179    | 186     | 225     | 180     | 247     | 348     | 47    | 49    | 344     | 339     |
|       | B) Non-Fatal     | 211     | 166    | 113    | 132    | 85     | 115     | 134    | 137     | 95      | 121     | 127     | 109     | 102   | 109   | 139     | 115     |
|       | Total            | 383     | 306    | 205    | 244    | 278    | 313     | 313    | 323     | 320     | 301     | 374     | 457     | 149   | 158   | 483     | 454     |

| Sl. No. | Category         | 98-99  | 99-2K (*) | 2000-01 (*) | 01-02 (*) | 02-03 (*) | 03-04 (*) | 04-05 (*) | 05-06 (*) | 06-07 (*) | 07-08 (*) | 08-09 | 09-10 | 10-11 | 11-12 | 12-13 | 13-14 | 14-15 # | 2015-16 |
|---------|------------------|--------|-----------|-------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-------|-------|-------|-------|-------|-------|---------|---------|
|         |                  | 19     | 20        | 21          | 22        | 23        | 24        | 25        | 26        | 27        | 28        | 29    | 30    | 31    | 32    | 33    | 34    | 35      | 36      |
| 1.      | DEPARTMENTAL     |        |           |             |           |           |           |           |           |           |           |       |       |       |       |       |       |         |         |
|         | A) Fatal         | 33     | 52        | 64          | 60        | 55        | 65        | 79        | 77        | 108       | 66        | 71    | 101   | 178   | 343   | 171   | 27    | 18      | 317     |
|         | B) Non-Fatal     | 71     | 24        | 34          | 43        | 61        | 61        | 47        | 40        | 34        | 68        | 83    | 88    | 63    | 75    | 65    | 40    | 13      | 87      |
|         | Total            | 104    | 76        | 98          | 103       | 116       | 126       | 126       | 117       | 142       | 134       | 154   | 189   | 241   | 418   | 236   | 67    | 31      | 404     |
| 2.      | NON-DEPARTMENTAL |        |           |             |           |           |           |           |           |           |           |       |       |       |       |       |       |         |         |
|         | A) Fatal         | 277    | 177       | 307         | 250       | 442       | 549       | 510       | 595       | 472       | 673       | 887   | 826   | 774   | 554   | 903   | 895   | 391     | 114     |
|         |                  | (a-90) |           |             |           |           |           |           |           |           |           |       |       |       |       |       |       |         | (a-212) |
|         | B) Non-Fatal     | 46     | 34        | 40          | 73        | 96        | 150       | 120       | 142       | 78        | 117       | 166   | 195   | 161   | 87    | 123   | 133   | 68      | 12      |
|         | Total            | 323    | 211       | 347         | 323       | 538       | 699       | 630       | 737       | 550       | 790       | 1053  | 1021  | 935   | 641   | 1026  | 1028  | 459     | 283     |
| 3.      | GRAND TOTAL      |        |           |             |           |           |           |           |           |           |           |       |       |       |       |       |       |         |         |
|         | A) Fatal         | 310    | 229       | 371         | 310       | 497       | 614       | 589       | 672       | 580       | 739       | 958   | 927   | 952   | 897   | 1074  | 922   | 409     | 431     |
|         | B) Non-Fatal     | 117    | 58        | 74          | 116       | 157       | 211       | 167       | 182       | 112       | 185       | 249   | 283   | 224   | 162   | 188   | 173   | 81      | 99      |
|         | Total            | 427    | 287       | 445         | 426       | 654       | 825       | 756       | 854       | 692       | 924       | 1207  | 1210  | 1176  | 1059  | 1262  | 1095  | 490     | 530     |

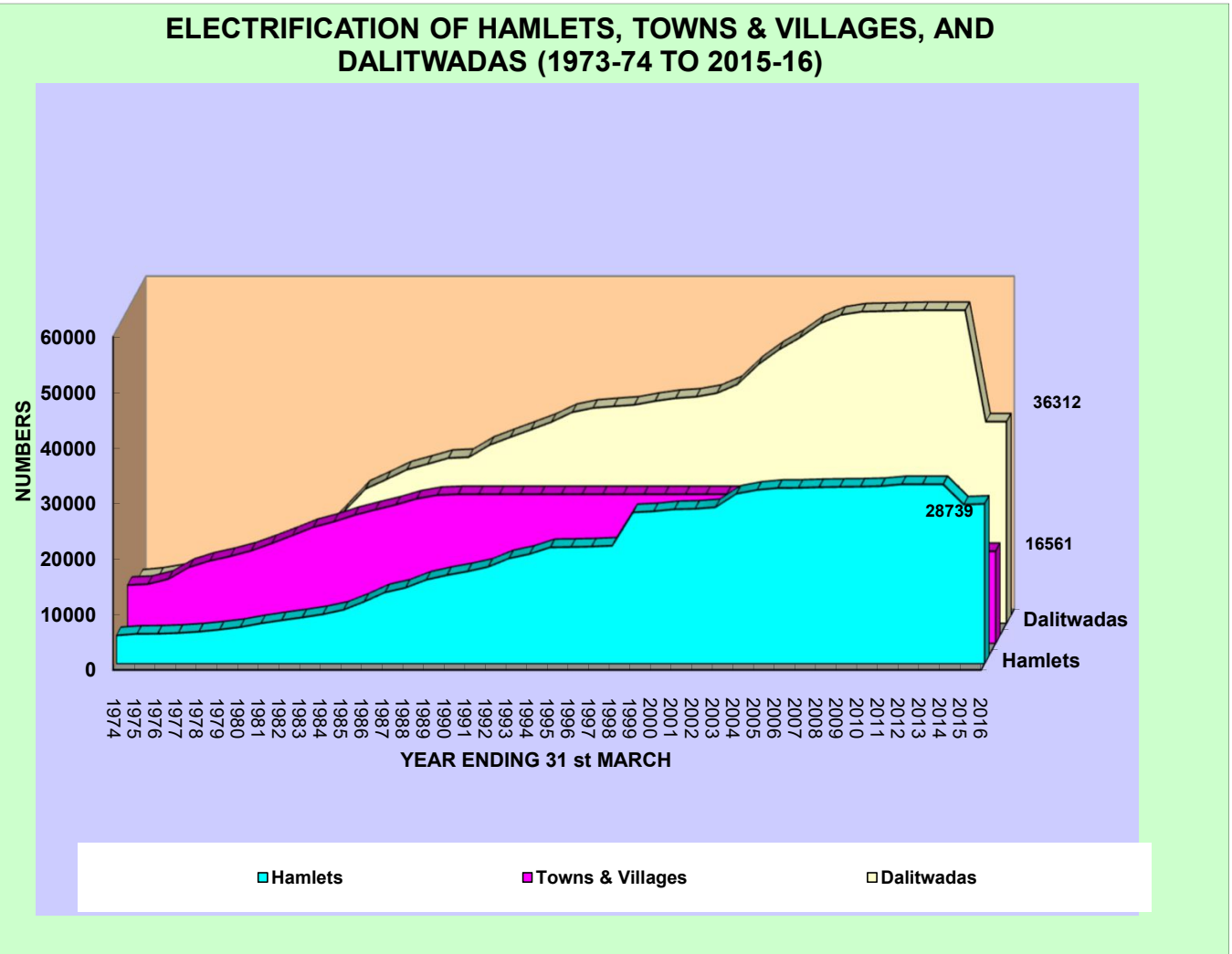
a = Animal

NOTE: Fatal accidents to animals indicated at (a) above is not included in the total of Non- departmental accidents and in Grand total.

\* Data reconciled from 1999-2000 onwards(CPDCL data not available for the years 1999-00 to 2001-02)

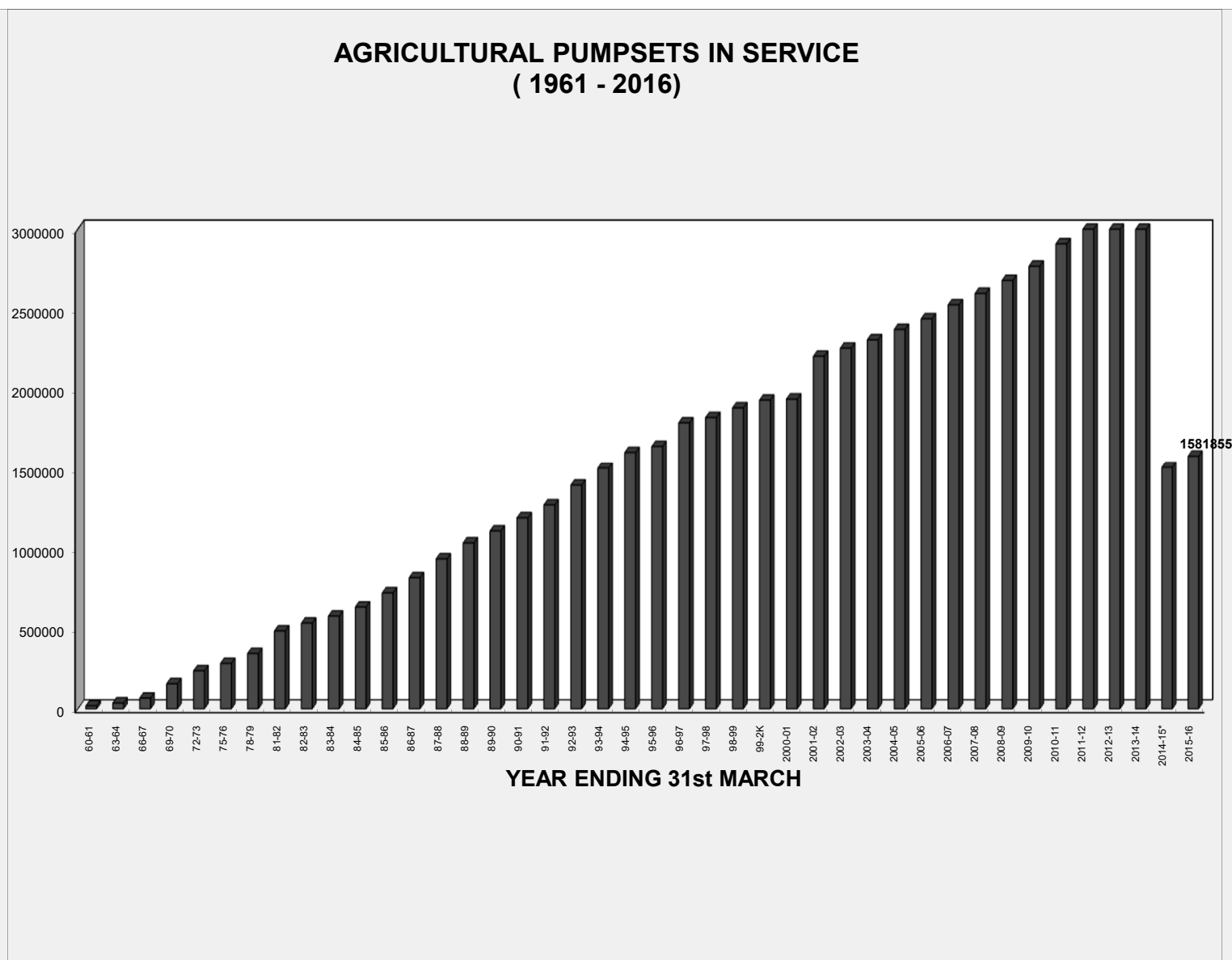
# Data for residual AP(Transco &Discoms)

| Year | Hamlets | Towns & Villages | Dalitwadadas |
|------|---------|------------------|--------------|
| 1974 | 5086    | 10485            | 8146         |
| 1975 | 5357    | 10654            | 8501         |
| 1976 | 5377    | 11582            | 9121         |
| 1977 | 5514    | 13694            | 10085        |
| 1978 | 5753    | 14851            | 10318        |
| 1979 | 6123    | 15677            | 11979        |
| 1980 | 6568    | 16659            | 13433        |
| 1981 | 7243    | 17978            | 13935        |
| 1982 | 7798    | 19414            | 15169        |
| 1983 | 8310    | 20885            | 16348        |
| 1984 | 8875    | 21885            | 20264        |
| 1985 | 9681    | 23078            | 24180        |
| 1986 | 11135   | 24037            | 25874        |
| 1987 | 12801   | 24942            | 27651        |
| 1988 | 13643   | 26018            | 28667        |
| 1989 | 15071   | 26690            | 29718        |
| 1990 | 15904   | 26829            | 29899        |
| 1991 | 16578   | 26829            | 32095        |
| 1992 | 17400   | 26829            | 33505        |
| 1993 | 18910   | 26829            | 34862        |
| 1994 | 19702   | 26829            | 36257        |
| 1995 | 20902   | 26829            | 38007        |
| 1996 | 20956   | 26829            | 38772        |
| 1997 | 21036   | 26829            | 39074        |
| 1998 | 21193   | 26829            | 39337        |
| 1999 | 27209   | 26829            | 40021        |
| 2000 | 27391   | 26829            | 40537        |
| 2001 | 27762   | 26829            | 40797        |
| 2002 | 27849   | 26829            | 41466        |
| 2003 | 28134   | 26829            | 43052        |
| 2004 | 30560   | 26829            | 46616        |
| 2005 | 31253   | 26829            | 49298        |
| 2006 | 31593   | 26829            | 51440        |
| 2007 | 31622   | 26877            | 54042        |
| 2008 | 31741   | 26823            | 55572        |
| 2009 | 31799   | 26823            | 56156        |
| 2010 | 31838   | 26823            | 56239        |
| 2011 | 31940   | 26823            | 56340        |
| 2012 | 32271   | 26823            | 56408        |
| 2013 | 32271   | 26823            | 56408        |
| 2014 | 32271   | 26823            | 56415        |
| 2015 | 28611   | 16561            | 36309        |
| 2016 | 28739   | 16561            | 36312        |



| YEAR     | NUMBERS |
|----------|---------|
| 60-61    | 17968   |
| 63-64    | 35941   |
| 66-67    | 66744   |
| 69-70    | 156500  |
| 72-73    | 237201  |
| 75-76    | 283590  |
| 78-79    | 345302  |
| 81-82    | 486658  |
| 82-83    | 535773  |
| 83-84    | 579286  |
| 84-85    | 636003  |
| 85-86    | 724715  |
| 86-87    | 819523  |
| 87-88    | 936758  |
| 88-89    | 1036484 |
| 89-90    | 1111569 |
| 90-91    | 1193363 |
| 91-92    | 1273972 |
| 92-93    | 1398049 |
| 93-94    | 1504975 |
| 94-95    | 1605807 |
| 95-96    | 1642993 |
| 96-97    | 1791203 |
| 97-98    | 1824689 |
| 98-99    | 1884686 |
| 99-2K    | 1932913 |
| 2000-01  | 1939573 |
| 2001-02  | 2207052 |
| 2002-03  | 2257969 |
| 2003-04  | 2309605 |
| 2004-05  | 2374365 |
| 2005-06  | 2440823 |
| 2006-07  | 2527800 |
| 2007-08  | 2599635 |
| 2008-09  | 2680671 |
| 2009-10  | 2769275 |
| 2010-11  | 2909006 |
| 2011-12  | 3061914 |
| 2012-13  | 3203871 |
| 2013-14  | 3344637 |
| 2014-15* | 1509495 |
| 2015-16  | 1581855 |

NUMBERS



\* Figures indicate for residual A.P

## **9. FINANCE**

## **9. FINANCE**

## 9.1 PATTERN OF FINANCING

Rs.in Crores

| SL.No.    | Description                                                                                                            | 90-91         | 91-92         | 92-93          | 93-94          | 94-95          | 95-96          | 96-97          | 97-98          | 98-99          | * 98-99        | * 99-2K        |
|-----------|------------------------------------------------------------------------------------------------------------------------|---------------|---------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| <b>A.</b> | <b>CAPITAL EXPENDITURE</b>                                                                                             | 479.04        | 648.57        | 893.46         | 1015.56        | 1216.85        | 1368.91        | 1018.18        | 1018.02        | 910.49         | 272            | 1118.62        |
|           | <b>DEBT REPAYMENT</b>                                                                                                  |               |               |                |                |                |                |                |                |                |                |                |
| 1.        | Government (From 2004-05 excl. Swapping)                                                                               | 2.96          | 4.89          | 7.27           | 23.11          | 38.18          | 58.71          | 2.39           | 20             | 300            | -              | 50.02          |
| 2.        | Open Market                                                                                                            | 0             | 0             | 0              | 0              | 0              | 22.00          | 33.21          | 20.63          | 20.78          | -              | 18.15          |
| 3.        | L.I.C                                                                                                                  | 11.65         | 11.3          | 11.62          | 14.13          | 18.33          | 22.74          | 21.43          | 20.95          | 22.33          | -              | 1.6            |
| 4.        | R.E.Bonds                                                                                                              | --            | --            | --             | --             | --             | --             | -              | -              | -              | -              | -              |
| 5.        | REC (incl.SPA & Inventory)                                                                                             | 81.33         | 57.61         | 80.12          | 84.27          | 85.64          | 116.43         | 134.41         | 183.33         | 136.51         | 62.72          | 328.42         |
| 6.        | Banks & Others (including Voluntry Loans, Contributions)                                                               | 11.31         | 13.45         | 10.04          | 36.75          | 172.23         | 296.94         | 159.32         | 458.34         | 483.78         | 38.06          | 162.96         |
| 7.        | P.F.C                                                                                                                  | 4.34          | 17.02         | 28.74          | 42.67          | 58.42          | 76.98          | 323.63         | 73.99          | 78.73          | 38.06          | 20.13          |
| 8.        | Industrial Development Bank of India                                                                                   | 26.37         | 29.34         | 37.51          | 59.04          | 80.25          | 150.36         | 96.64          | 364.11         | 92.56          | 52.12          | 133.58         |
| 9.        | others(OsmaniaUniversity & SIDBI)                                                                                      |               |               |                |                |                |                |                |                |                |                |                |
|           | <b>TOTAL CAPITAL OUTGOINGS</b>                                                                                         | <b>617.00</b> | <b>782.18</b> | <b>1068.76</b> | <b>1275.53</b> | <b>1669.90</b> | <b>2113.07</b> | <b>1789.21</b> | <b>2159.37</b> | <b>2045.18</b> | <b>462.96</b>  | <b>1833.48</b> |
| <b>B</b>  | <b>CAPITAL RECEIPTS</b>                                                                                                |               |               |                |                |                |                |                |                |                |                |                |
| 1.        | Government Loans                                                                                                       | 270.9         | 318.5         | 404.55         | 505.68         | 463.32         | 632.37         | 547.33         | 988.49         | 1319.39        | 397.24         | 1368.16        |
| 2.        | C E A                                                                                                                  | --            | --            | --             | --             | --             | --             | --             | -              | -              | -              | -              |
| 3.        | Open Market Loan                                                                                                       | --            | --            | --             | --             | --             | --             | --             | 500            | 600            | 410.63         | 2602.61        |
| 4.        | REC (SPA & Inventory)(@)                                                                                               | 98.89         | 83.48         | 89.26          | 164.8          | 250.82         | 171.91         | 45.35          | 64.98          | 379.01         | 265.57         | 513.03         |
| 5.        | L.I.C                                                                                                                  | 10.03         | 31.03         | 62.13          | 68.95          | 55.57          | 34.88          | 26.62          | -              | -              | -              | -              |
| 6.        | Banks & Others including Voluntary Loan Repayment                                                                      | 5.4           | 0.45          | 67.93          | 259.77         | 344.99         | 311.96         | 208.91         | 494.25         | 280.51         | 87.59          | 234.74         |
| 7.        | I.D.B.I.                                                                                                               | 17.24         | 33.71         | 32.96          | 161.47         | 307.34         | 82.21          | 30.74          | 329.06         | 26.58          | 18.03          | 347.23         |
| 8.        | P.F.C.( @)                                                                                                             | 83.84         | 138.28        | 167.84         | 175.2          | 323.89         | 313.46         | 256.57         | 79.48          | 131.06         | 24.54          | 62.78          |
| 9.        | B.H.E.L./SIDBI                                                                                                         | --            | --            | 53.21          | 51.69          | 45.10          | 274.67         | 91.57          | 86.9           | -              | -              | -              |
| 10.       | Assistance from Central sponsored Scheme                                                                               | --            | --            | --             | --             | --             | --             | --             | -              | -              | -              | -              |
| 11.       | Contribution to Depreciation                                                                                           | 94.45         | 115.25        | 147.42         | 166.06         | 266.19         | 303.81         | 413.91         | 435.21         | 414.51         | 44.92          | 301.69         |
| 12.       | Reserve (Consumer Contribution of Service Connection) Lines other than Revenue Cap-Appropriated for repayment of Loans | 38.43         | 60.17         | 61.53          | 55.9           | 76.91          | 76.15          | 164.62         | 140.23         | -309.47        | 32.17          | 157.55         |
| 13.       | Contribution to general reserve utilisation of Cash Balance                                                            | --            | --            | --             | --             | --             | --             | --             | -              | -              | -              | -              |
| 14.       | Provident Fund/Pension/Gratuity                                                                                        | 9.52          | 15.11         | 14.38          | 11.84          | 14.28          | 27.45          | 0.78           | 13             | -196.7         | 11.57          | 57.07          |
| 15.       | Debts & Deposition (Consumer Deposits)                                                                                 | 38.2          | 32.34         | 59.21          | 86.92          | 61.54          | 56.32          | 121.64         | 79.39          | 101.27         | 12.15          | 67.62          |
| 16.       | Regularisation of Agl.pumpsets                                                                                         | --            | 6.25          | --             | --             | --             | --             | --             | -              |                |                |                |
|           | <b>TOTAL</b>                                                                                                           | <b>666.9</b>  | <b>834.57</b> | <b>1160.42</b> | <b>1708.28</b> | <b>2209.95</b> | <b>2285.19</b> | <b>1908.04</b> | <b>3210.99</b> | <b>2746.16</b> | <b>1304.41</b> | <b>5712.48</b> |

\* TRANSCO including DISCOMs

@ including short term borrowings.

1. The loan repayments to Government amounting to Rs 694.42 crs have been swapped by availing REC loan during FY 2003-04 . Hence, the same are included under both repayments and receipts.

2. Open market borrowing of GOAP to discharge Vidyt Bonds liability taken over by GOAP. Hence, the same are included under both repayments and receipts.

9.1 PATTERN OF FINANCING (APTRANSCO)

Rs. Crores

| SL.No.     | Description                                                                                                                   | 2000-01        | 2001-02        | 2002-03        | 2003-04        | 2004-05        | 2005-06       | 2006-07       | 2007-08       | 2008-09       | 2009-10        | 2010-11        | 2011-12        | 2012-13        | 2013-14        | 2014-15        |
|------------|-------------------------------------------------------------------------------------------------------------------------------|----------------|----------------|----------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|----------------|----------------|----------------|----------------|----------------|
| <b>A.</b>  | <b>CAPITAL EXPENDITURE</b>                                                                                                    | 420.14         | 459.11         | 362.62         | 248.01         | 415.38         | 358.18        | 499.46        | 482.06        | 555.91        | 906.92         | 1092.35        | 1221.09        | 1135.57        | 1372.97        | 968.70         |
| <b>A1.</b> | <b>DEBT REPAYMENT</b>                                                                                                         |                |                |                |                |                |               |               |               |               |                |                |                |                |                |                |
| 1.         | Government<br>(From 2004-05 excl. Swapping)                                                                                   | 68.26          | 329.9          | 100.12         | 840.9          | 6.97           | 39.66         | 2.56          | 1.66          | 2.1           | 2.14           | 4.71           | 13.13          | 29.67          | 38.09          | 2.14           |
| 2.         | Open Market                                                                                                                   | 6.88           | 0              | 14.03          | 380            |                | 0             |               |               |               |                |                |                |                |                |                |
| 3.         | L.I.C                                                                                                                         | 1.6            | 1.6            | 1.6            | 1.6            | 1.6            | 1.6           | 1.6           | 0.93          | 0.93          |                |                |                |                |                |                |
| 4.         | R.E.Bonds                                                                                                                     | -              | -              |                |                |                | 0             |               |               |               |                |                |                |                |                |                |
| 5.         | REC (incl.SPA & Inventory)                                                                                                    | 125.15         | 236.89         | 414.43         | 307.13         | 437.25         | 137.13        | 103.51        | 109.4         | 111.87        | 88.95          | 75.96          | 77.67          | 87.19          | 117.82         | 51.87          |
| 6.         | Banks & Others (including Voluntary Loans,<br>Contributions)                                                                  | 206.2          | 55.9           | 75.28          | 146.31         | 198.74         | 38.5          |               |               |               |                |                |                |                |                |                |
| 7.         | P.F.C                                                                                                                         | 108.14         | 13.13          | 77.83          | 259.93         | 67.52          | 49.48         | 55.01         | 82.01         | 130.06        | 131.26         | 134.92         | 132.61         | 134.39         | 145.65         | 84.94          |
| 8.         | Industrial Development Bank of India                                                                                          | 141.07         | 102.61         | 72.81          | 60.62          | 44.58          | 9.86          | 3.26          |               |               |                |                |                |                |                |                |
| 9.         | others(OsmaniaUniversity & SIDBI)/Banks                                                                                       |                |                |                |                | 8.33           | 0             | 22.93         | 21.68         | 39.62         | 79.56          | 105.06         | 102.74         | 122.32         | 137.75         | 80.76          |
|            | <b>TOTAL CAPITAL OUTGOINGS</b>                                                                                                | <b>1077.44</b> | <b>1199.14</b> | <b>1118.72</b> | <b>2244.5</b>  | <b>1180.37</b> | <b>634.41</b> | <b>688.33</b> | <b>697.74</b> | <b>840.49</b> | <b>1208.83</b> | <b>1413.00</b> | <b>1547.24</b> | <b>1509.14</b> | <b>1812.28</b> | <b>1188.41</b> |
| <b>B</b>   | <b>CAPITAL RECEIPTS</b>                                                                                                       |                |                |                |                |                |               |               |               |               |                |                |                |                |                |                |
| 1.         | Government Loans                                                                                                              | 400.67         | 534.16         | 355.49         | 231.44         | 61.34          | 8.77          | 3.17          | 4.58          | 0.48          | 167.6          | 148.63         | 148.41         | 136.55         | 149.91         | 0.00           |
| 2.         | C E A                                                                                                                         | -              | -              |                |                |                | 0             |               |               |               |                |                |                |                |                |                |
| 3.         | Open Market Loan                                                                                                              | -              | 35.38          | 262.01         | 380            |                | 0             |               |               |               |                |                |                |                |                |                |
| 4.         | REC (SPA & Inventory)(@)                                                                                                      | 109.56         | 250            | 426.57         | 779.36         | 180.48         | 67.33         | 50.3          | 14.42         | 14.17         | 120.61         | 125.29         | 241.07         | 273.94         | 174.14         | 511.87         |
| 5.         | L.I.C                                                                                                                         | -              | -              | -              |                |                | 0             |               |               |               |                |                |                |                |                |                |
| 6.         | Banks & Others including Voluntary Loan<br>Repayment                                                                          | -              | -              | 42             | 295            |                | 0             | 68.25         | 78.66         | 222.93        | 153.81         | 270.61         | 230.52         | 108.6          | 152.76         | 151.05         |
| 7.         | I.D.B.I.                                                                                                                      | 57.8           | 19.59          |                |                |                | 7.15          |               |               |               |                |                |                |                |                |                |
| 8.         | P.F.C. ( @)                                                                                                                   | 151.56         | 123.06         | 378.46         | 146.39         | 72.13          | 224.29        | 206.74        | 219.81        | 122.15        | 120.76         | 191.63         | 308.34         | 169.92         | 107.66         | 35.33          |
| 9.         | B.H.E.L./SIDBI                                                                                                                | -              | -              |                |                |                | 0             |               |               |               |                |                |                |                |                |                |
| 10.        | Assistance from Central sponsored Scheme                                                                                      | -              | -              |                |                |                | 0             |               |               |               |                |                |                |                |                |                |
| 11.        | Contribution to Depreciation                                                                                                  | 104.69         | 157.63         | 194.86         | 217.35         | 223.81         | 261.72        | 242.43        | 266.11        | 291.78        | 316.94         | 357.69         | 392.53         | 416.49         | 462.12         | 251.22         |
| 12.        | Reserve (Consumer Contribution of Service<br>Connection) Lines other than Revenue Cap-<br>Appropriated for repayment of Loans | NA             | 3.92           | 9.45           | 8.9            | 34.17          | 0             |               |               |               |                |                |                |                |                |                |
| 13.        | Contributions ,Grants and Subsidies                                                                                           | -              | -              |                |                | 11.61          | 13.99         | 27.08         | 72.76         | 129.98        | 46.26          | 289.1          | 363.65         | 148.2          | 127.42         | 1.67           |
| 14.        | Provident Fund/Pension/Gratuity                                                                                               | 8.59           | 8.75           | -6.14          | -10.32         | 3.98           | 0             |               |               |               |                |                |                |                |                |                |
| 15.        | Debts & Deposition (Consumer Deposits)                                                                                        | -              | -              |                |                |                | 0             |               |               |               |                |                |                |                |                |                |
| 16.        | Regularisation of Agl.pumpsets                                                                                                |                |                |                |                |                | 0             |               |               |               |                |                |                |                |                |                |
| 17.        | Bank of Maharashtra (for swapping of Govt. loan)                                                                              |                |                |                |                |                | 34.96         |               |               |               |                |                |                |                |                |                |
| 18.        | Internal Resources                                                                                                            |                |                |                |                |                | 16.2          | 90.36         | 41.4          | 59            | 282.85         | 30.05          | -137.28        | 255.44         | 638.27         | 237.27         |
|            | <b>TOTAL</b>                                                                                                                  | <b>832.87</b>  | <b>1132.49</b> | <b>1662.70</b> | <b>2048.12</b> | <b>587.52</b>  | <b>634.41</b> | <b>688.33</b> | <b>697.74</b> | <b>840.49</b> | <b>1208.83</b> | <b>1413.00</b> | <b>1547.24</b> | <b>1509.14</b> | <b>1812.28</b> | <b>1188.41</b> |

@ including short term borrowings.

budget

1. The loan repayments to Government amounting to Rs 694.42 crs have been swapped by availing REC loan during FY 2003-04 . Hence, the same are included under both repayments and receipts.

2. Open market borrowing of GOAP to discharge Vidut Bonds liability taken over by GOAP. Hence, the same are included under both repayments and receipts.

## 9.1 PATTERN OF FINANCING (APTRANSCO)

Rs. Crores

| SL.No.     | Description                                                                                                            | 2014-15        | 2015-16        |
|------------|------------------------------------------------------------------------------------------------------------------------|----------------|----------------|
| <b>A.</b>  | <b>CAPITAL EXPENDITURE</b>                                                                                             | 968.70         | 2148.45        |
| <b>A1.</b> | <b>DEBT REPAYMENT</b>                                                                                                  |                |                |
| 1.         | Government (From 2004-05 excl. Swapping)                                                                               | 2.14           | 2.14           |
| 2          | REC (incl.SPA & Inventory)                                                                                             | 51.87          | 75.28          |
| 3          | P.F.C                                                                                                                  | 84.94          | 39.65          |
| 4          | others./Banks                                                                                                          | 80.76          | 76.05          |
|            | <b>TOTAL CAPITAL OUTGOINGS</b>                                                                                         | <b>1188.41</b> | <b>2341.57</b> |
| <b>B</b>   | <b>CAPITAL RECEIPTS</b>                                                                                                |                |                |
| 1.         | Government Loans                                                                                                       | 0.00           | 0.00           |
| 2.         | C E A                                                                                                                  |                |                |
| 3.         | Open Market Loan                                                                                                       |                |                |
| 4.         | REC (SPA & Inventory)(@)                                                                                               | 511.87         | 1096.04        |
| 5.         | L.I.C                                                                                                                  |                |                |
| 6.         | Banks & Others including Voluntary Loan Repayment                                                                      | 151.05         | 154.88         |
| 7.         | I.D.B.I.                                                                                                               |                |                |
| 8.         | P.F.C.                                                                                                                 | 35.33          | 185.02         |
| 9.         | B.H.E.L./SIDBI                                                                                                         |                |                |
| 10.        | Assistance from Central sponsored Scheme                                                                               |                |                |
| 11.        | Contribution to Depreciation                                                                                           | 251.22         | 274.06         |
| 12.        | Reserve (Consumer Contribution of Service Connection) Lines other than Revenue Cap-Appropriated for repayment of Loans |                |                |
| 13.        | Contributions ,Grants and Subsidies                                                                                    | 1.67           | 135.83         |
| 14.        | Provident Fund/Pension/Gratuity                                                                                        |                |                |
| 15.        | Debts & Deposition (Consumer Deposits)                                                                                 |                |                |
| 16.        | Regularisation of Agl.pumpsets                                                                                         |                |                |
| 17         | Bank of Maharashtra (for swapping of Govt. loan)                                                                       |                |                |
| 18         | Internal Resources                                                                                                     | 237.27         | 495.74         |
|            | <b>TOTAL</b>                                                                                                           | <b>1188.41</b> | <b>2341.57</b> |

## 9.2 Abstract Balance Sheet (T+D) as on 31st March 2016

(Rs. in Crores)

| Particulars                                   | Total<br>(T+D)  | Particulars                        | Total<br>(T+D)  |
|-----------------------------------------------|-----------------|------------------------------------|-----------------|
| <b><u>LIABILITIES:</u></b>                    |                 | <b><u>ASSETS</u></b>               |                 |
| Loans from Government                         | 39.89           | Fixed Assets                       | 23075.36        |
| Equity from Government                        | 934.39          | Accumulated Depreciation           | (10879.89)      |
| Deferred Tax Liability                        | 116.87          | Works-in-progress                  | 4432.34         |
| Cash Credit, OD & other short term borrowings | 2184.09         | Other Assets                       | 27.67           |
| Other Grants                                  | 242.64          | <b>Investments</b>                 |                 |
| Consumer Contribution                         | 3818.17         | Equity in Joint Ventures           | 469.45          |
| <b>Long term Capital Liabilities</b>          |                 | Others                             | 1861.82         |
| APSEB Bonds & Vidyut Bonds                    | 0.00            | <b>Current Assets</b>              |                 |
| LIC                                           | 0.00            | Stocks                             | 512.92          |
| REC & SPA                                     | 7077.64         | Receivable against supply of power | 3064.10         |
| PFC                                           | 1821.59         | Cash and Bank Balances             | 804.35          |
| Inter Corporate Funds                         | 0.00            | Loans and Advances                 | 4479.64         |
| VLC                                           | 0.00            | Sundry Receivables                 | 2974.29         |
| Banks & Others                                | 4743.48         | Deferred Tax Asset                 | 0.00            |
| Long Term Provisions                          | 1379.27         |                                    |                 |
| Other Long term liabilities                   | 267.33          |                                    |                 |
| <b>Reserves and Reserve Fund</b>              |                 |                                    |                 |
| Reserves                                      | 203.02          |                                    |                 |
| Reserve Funds (PF & Pen.SF)                   | 173.73          |                                    |                 |
| Security Deposit from Consumers               | 3134.78         |                                    |                 |
| Current Liabilities                           | 18460.97        |                                    |                 |
| Surplus                                       | (13775.81)      |                                    |                 |
| <b>Total Liabilities:</b>                     | <b>30822.05</b> | <b>Total Assets:</b>               | <b>30822.05</b> |

## 9.2 Abstract Balance Sheet (T+D) as on 31st March 2016

(Rs. in Crores)

| Particulars                                  | Transco        | EPDCL          | SPDCL           | Total (T+D)     | Particulars                               | Transco        | EPDCL          | SPDCL           | Total (T+D)     |
|----------------------------------------------|----------------|----------------|-----------------|-----------------|-------------------------------------------|----------------|----------------|-----------------|-----------------|
| <b><u>LIABILITIES:</u></b>                   |                |                |                 |                 | <b><u>ASSETS</u></b>                      |                |                |                 |                 |
| Loans from Government                        | 8.38           | 20.05          | 11.46           | 39.89           | Fixed Assets                              | 6771.77        | 4852.77        | 11450.82        | 23075.36        |
| Equity from Government                       | 454.44         | 121.23         | 358.72          | 934.39          | Accumulated Depreciation                  | (2870.84)      | (2435.35)      | (5573.70)       | (10879.89)      |
| Deferred Tax Liability                       | 116.87         | 0.00           | 0.00            | 116.87          | Works-in-progress                         | 2318.37        | 497.12         | 1616.85         | 4432.34         |
| Cash Credit/OD & other short term borrowings | 0.00           | 1327.59        | 856.50          | 2184.09         | Other Assets                              | 0.00           | 27.58          | 0.09            | 27.67           |
| Other Grants                                 | 16.01          | 226.63         | 0.00            | 242.64          | <b>Investments</b>                        |                |                |                 |                 |
| Consumer Contribution                        | 860.36         | 1087.35        | 1870.46         | 3818.17         | Equity in Joint ventures and Subsidiaries | 36.54          | 146.18         | 286.73          | 469.45          |
| <b>Long term Capital Liabilities</b>         |                |                |                 |                 | Others                                    | 274.44         | 22.22          | 1565.16         | 1861.82         |
| APSEB Bonds & Vidyut Bonds                   | 0.00           | 0.00           | 0.00            | 0.00            | <b>Current Assets</b>                     |                |                |                 |                 |
| LIC                                          | 0.00           | 0.00           | 0.00            | 0.00            | Stocks                                    | 270.47         | 184.27         | 58.18           | 512.92          |
| REC                                          | 2103.62        | 1103.08        | 3870.94         | 7077.64         | Receivable against supply of power        | 238.05         | 1071.39        | 1754.66         | 3064.10         |
| PFC                                          | 99.95          | 63.31          | 1658.33         | 1821.59         | Cash and Bank Balances                    | 36.41          | 224.55         | 543.39          | 804.35          |
| Inter Corporate Funds                        | 0.00           | 0.00           | 0.00            | 0.00            | Loans and Advances                        | 856.66         | 3540.63        | 82.35           | 4479.64         |
| VLC                                          | 0.00           | 0.00           | 0.00            | 0.00            | Sundry Receivables                        | 93.06          | 987.90         | 1893.33         | 2974.29         |
| Banks & Others                               | 791.85         | 2145.70        | 1805.93         | 4743.48         |                                           |                |                |                 |                 |
| Long term provisions                         | 0.00           | 345.39         | 1033.88         | 1379.27         |                                           |                |                |                 |                 |
| Other long term liabilities                  | 267.33         | 0.00           | 0.00            | 267.33          |                                           |                |                |                 |                 |
| <b>Reserves and Reserve Fund</b>             |                |                |                 |                 | Miscellaneous Expenditure                 | 0.00           | 0.00           | 0.00            | 0.00            |
| Reserves                                     | 203.02         | 0.00           | 0.00            | 203.02          | Deffered Tax Asset                        | 0.00           | 0.00           | 0.00            | 0.00            |
| Reserve Funds (PF & Pen.SF, CR)              | 20.32          | 114.88         | 38.53           | 173.73          |                                           |                |                |                 |                 |
| Security Deposit from Consumers              | 0.00           | 1151.73        | 1983.05         | 3134.78         |                                           |                |                |                 |                 |
| <b>Current Liabilities</b>                   | 2650.91        | 4300.86        | 11509.20        | 18460.97        |                                           |                |                |                 |                 |
| Surplus                                      | 431.87         | (2888.54)      | (11319.14)      | (13775.81)      |                                           |                |                |                 |                 |
|                                              |                |                |                 |                 |                                           |                |                |                 |                 |
|                                              |                |                |                 |                 |                                           |                |                |                 |                 |
| <b>Total Liabilities:</b>                    | <b>8024.93</b> | <b>9119.26</b> | <b>13677.86</b> | <b>30822.05</b> | <b>Total Assets:</b>                      | <b>8024.93</b> | <b>9119.26</b> | <b>13677.86</b> | <b>30822.05</b> |
|                                              |                |                |                 |                 |                                           |                |                |                 |                 |

### 9.3 REVENUE RECEIPTS & EXPENDITURE

(Rs.in crores)

| Sl.No. | Details                                  | 1990-91  | 1991-92 | 1992-93  | 1993-94  | 1994-95 | 1995-96  | 1996-97 | 1997-98   | 1998-99<br>(Up to 1/99) | 1998-99<br>(2/99 & 3/99) | 1999-2K |
|--------|------------------------------------------|----------|---------|----------|----------|---------|----------|---------|-----------|-------------------------|--------------------------|---------|
| A)     | REVENUE RECEIPTS                         |          |         |          |          |         |          |         |           |                         |                          |         |
|        | 1.By sale of Power                       | 1210.20  | 1530.98 | 1886.84  | 2172.78  | 2145.33 | 2288.33  | 3286.43 | 3990.20   | 3479.64                 | 704.06                   | 4535.45 |
|        | By sale of power-Inter state             |          |         |          |          |         |          |         |           | 2.16                    | 1.17                     | 6.82    |
|        | 2.Miscellaneous                          | 52.74    | 32.86   | 48.58    | 130.24   | 131.00  | 154.93   | 272.14  | 373.21    | 382.51                  | 67.33                    | 414.20  |
|        | 3.Subsidy                                | 38.76    | 69.54   | 0.08     | 0.13     | 944.11  | 1259.10  | 850.37  | -         | 2074.66                 | 474.60                   | 3064.42 |
|        | TOTAL (A)                                | 1301.70  | 1633.38 | 1935.50  | 2303.15  | 3220.44 | 3702.36  | 4408.94 | 4363.41   | 5938.97                 | 1247.16                  | 8020.89 |
| B)     | REVENUE EXPENDITURE                      |          |         |          |          |         |          |         |           |                         |                          |         |
|        | 1.Fuel/Generation of Power               | 289.23   | 375.34  | 483.90   | 608.75   | 719.09  | 1071.25  | 1319.69 | 1627.41   | 1571.00                 |                          | -       |
|        | 2.Power Purchase                         | 238.00   | 413.54  | 591.46   | 742.75   | 940.29  | 982.69   | 1049.40 | 1767.48   | 1683.89                 | 911.17                   | 6201.87 |
|        | 3.O&M Expenses                           | 61.92    | 78.53   | 102.96   | 122.28   | 132.28  | 136.81   | 187.44  | 204.21    | 154.01                  | 25.50                    | 133.33  |
|        | 4.Establishment, General & office expens | 210.21   | 248.57  | 281.14   | 314.33   | 413.13  | 415.47   | 546.40  | 638.92    | 656.77                  | 119.33                   | 728.37  |
|        | 5.State Electricity Duty.                | 36.44    | 40.01   | 42.13    | 51.50    | 65.23   | 59.66    | 68.13   | 73.68     | 63.58                   | 10.85                    | 75.35   |
|        | 6.Others (RBDD)                          | 42.44    | 21.04   | 1.01     | 2.16     | 21.60   | 1.80     | 20.16   | 2.72      | 98.97                   | 0.71                     | 3.72    |
|        |                                          | 36.52 ★  | 5.16    |          |          |         |          |         |           |                         |                          |         |
|        | 7. Prior period Charges(Credits)         |          |         | (106.66) | (99.93)  | 18.95   | (138.81) | 14.75   | (4.97)    | 115.83                  | 60.89                    | (38.82) |
|        | 8 Expenses capitalised                   |          |         |          |          |         |          |         |           |                         |                          |         |
|        | TOTAL (B)                                | 914.76 ★ | 1182.19 | 1395.94  | 1741.84  | 2310.57 | 2528.87  | 3205.97 | 4309.45   | 4344.05                 | 1128.45                  | 7103.82 |
|        | GROSS OPERATING RESULTS (A-B)            | 386.94 ★ | 451.19  | 539.56   | 561.31   | 909.87  | 1173.49  | 1202.97 | 53.96     | 1594.92                 | 118.71                   | 917.07  |
| C)     | OTHER EXPENSES                           |          |         |          |          |         |          |         |           |                         |                          |         |
|        | 1.Depreciation                           | 94.44    | 115.25  | 146.75   | 172.30   | 286.82  | 348.27   | 418.99  | 434.72    | 414.01                  | 44.90                    | 301.47  |
|        | 2.Balance Surplus                        | 292.70   | 335.94  | 392.81   | 389.01   | 623.05  | 825.22   | 783.98  | (380.76)  | 1180.91                 | 73.81                    | 615.60  |
|        | (Less Depreciation)                      |          |         |          |          |         |          |         |           |                         |                          |         |
|        | 3.Interest Charges :                     |          |         |          |          |         |          |         |           |                         |                          |         |
|        | a)On Loans from Insti-                   |          |         |          |          |         |          |         |           |                         |                          |         |
|        | tutional Creditors                       | 159.91   | 167.74  | 220.91   | 277.12   | 451.23  | 691.11   | 834.98  | 961.36    | 1082.05                 | 66.78                    | 645.67  |
|        | b)On Loans from                          |          |         |          |          |         |          |         |           |                         |                          |         |
|        | State Government                         | 110.06   | 134.82  | 176.18   | 134.56   | 209.08  | 130.23   | 37.53   | 33.52     | 187.34                  | 22.70                    | 122.12  |
|        | c)Less: IDC                              | 58.26    | 51.06   | 83.73    | (109.66) | 124.51  | 126.71   | 217.72  | 241.25    | 217.80                  | 29.08                    | 152.19  |
|        | TOTAL INTEREST                           |          |         |          |          |         |          |         |           |                         |                          |         |
|        | CHARGES                                  | 211.71   | 251.50  | 313.36   | 302.02   | 535.80  | 694.63   | 654.79  | 753.63    | 1051.59                 | 60.40                    | 651.60  |
|        | NET SURPLUS/LOSSES                       | 80.99    | 84.44   | 79.45    | 86.99    | 87.25   | 130.59   | 129.19  | (1134.39) | 129.32                  | 13.41                    | 0.00    |
|        | Provision for Tax                        |          |         |          |          |         |          |         |           |                         |                          |         |
|        | NET SURPLUS/(DEFICIT)                    | 80.99    | 84.44   | 79.45    | 86.99    | 87.25   | 130.59   | 129.19  | (1134.39) | 129.32                  | 13.41                    | 0.00    |

### 9.3 REVENUE RECEIPTS & EXPENDITURE

(Rs.in crores)

| Sl.No. | Details                                                      | 1999-2K       | 2K-01         | 2001-02      | 2002-03       | 2003-04       | 2004-05       | 2005-06        | 2006-07       | 2007-08       | 2008-09        | 2009-10        | 2010-11        | 2011-12         | 2012-13           | 2013-14          | 2014-15          | 2015-16          |
|--------|--------------------------------------------------------------|---------------|---------------|--------------|---------------|---------------|---------------|----------------|---------------|---------------|----------------|----------------|----------------|-----------------|-------------------|------------------|------------------|------------------|
| A)     | <b>REVENUE RECEIPTS</b>                                      |               |               |              |               |               |               |                |               |               |                |                |                |                 |                   |                  |                  |                  |
|        | 1.By sale of Power                                           | 4535.45       | 5591.77       | 5870.13      | 7396.96       | 7654.17       | 9169.99       | 8875.17        | 9979.74       | 11695.67      | 12838.68       | 15491.23       | 19303.29       | 23575.8         | 27068.49          | 29622.66         | 16915.67         | 18709.98         |
|        | By sale of power-Inter state                                 | 6.82          | 3.59          | 2.76         | 130.15        | 91.57         | 110.52        | 721.60         | 524.11        | 987.15        | 835.3          | 638.73         | 1053.81        | 691.47          | 581.98            | 1321.25          | 581.16           | 564.17           |
|        | 2.Miscellaneous(including NTI&ED)                            | 414.20        | 476.57        | 510.03       | 1052.18       | 1722.01       | 1005.71       | 1165.28        | 642.37        | 664.76        | 593.76         | 724.43         | 859.48         | 1093.4          | 1271.19           | 1157.58          | 338.28           | 400.05           |
|        | 3.Subsidy                                                    | 3064.42       | 2935.68       | 2457.00      | 1509.38       | 1513.49       | 1303.27       | 1599.48        | 1956.07       | 2866.39       | 7979.56        | 6709.1         | 5855.72        | 8125.64         | 5531.67           | 6305.57          | 3125.2           | 3186             |
|        | 4.Transmission and SLDC Charges<br>(Annuual fee,Open Access) |               |               |              |               |               |               |                | 9.73          | 23.64         | 43.71          | 37.29          | 54.08          | 97.56           | 138.23            | 217.83           | 1089.99          | 842.6            |
|        | 5.Other income                                               |               |               |              |               |               |               | 478.29         | 529.63        | 606.61        | 613.02         | 695.52         | 624.95         | 768.41          | 562.46            | 1493.63          | 774.65           |                  |
|        | 6.Capital contribution                                       |               |               |              |               |               |               | 356.72         | 189.74        | 171.86        | 294.84         | 366.65         | 411.61         | 487.5           | 712.91            | 355.07           | 397.81           |                  |
|        | <b>TOTAL (A)</b>                                             | <b>8021</b>   | <b>9008</b>   | <b>8840</b>  | <b>10089</b>  | <b>10981</b>  | <b>11589</b>  | <b>12362</b>   | <b>13947</b>  | <b>16957</b>  | <b>23069</b>   | <b>24509</b>   | <b>28189</b>   | <b>34620.43</b> | <b>35847.47</b>   | <b>39900.26</b>  | <b>23899.00</b>  | <b>24875.26</b>  |
| B)     | <b>REVENUE EXPENDITURE</b>                                   |               |               |              |               |               |               |                |               |               |                |                |                |                 |                   |                  |                  |                  |
|        | 1.Power Purchase                                             | 6201.87       | 7258.47       | 7497.26      | 7579.51       | 8415.87       | 8858.54       | 9122.82        | 10663.78      | 12575.8       | 18306.16       | 19415.85       | 21519.06       | 26821.14        | 32449.21          | 32939.23         | 19045.71         | 21745.39         |
|        | 2.O&M Expenses                                               | 133.33        | 156.31        | 197.64       | 195.56        | 166.97        | 183.66        | 241.45         | 257.31        | 285.67        | 317.53         | 324.71         | 387.99         | 472.72          | 634.56            | 740.61           | 373.03           | 225.96           |
|        | 3.Establishment, General & office<br>expens                  | 728.37        | 709.91        | 746.54       | 868.84        | 834.99        | 997.25        | 926.42         | 1132.68       | 1331.94       | 1432.44        | 1608.77        | 2699.88        | 2731.05         | 2918.02           | 3310.33          | 3493.67          | 3073.82          |
|        | 4.State Electricity Duty.                                    | 75.35         | 80.45         | 83.98        | 92.98         | 104.01        | 122.18        | 133.38         | 148.63        | 178.54        | 203.88         | 215.33         | 245.68         | 279.33          | 240.47            | 294.53           | 162.9            | 182.6            |
|        | 5.Others (RBDD)                                              | 3.72          | 24.61         | 13.73        | 9.07          | 48.13         | 50.15         | 124.94         | 55.46         |               |                |                |                |                 |                   | 0                |                  |                  |
|        | 6. Prior period Charges(Credits)                             | (38.82)       | 15.42         | (204.41)     | (20.98)       | 174.58        | (4.89)        | 49.12          | (16.21)       | -58.23        | 11.54          | -9.68          | -9.3           | -7.75           | -0.36             | 0.02             | (0.34)           | (1.60)           |
|        | 7 Expenses capitalised                                       |               | 0.00          | 0.00         | 0.00          | 0.00          | 0.00          |                |               |               |                |                |                |                 |                   |                  |                  |                  |
|        | 8.Incentive to HT Consumers                                  |               |               |              |               |               |               |                |               | 261.77        | 253.78         | 160.16         | 55.12          | 0               |                   | 0                | 0                | 0                |
|        | 9.other debits                                               |               |               |              |               |               |               |                |               | 645.82        | 361.37         | 66.61          | 143.37         | 42.53           | 12226.85          | -25.5            | 181.45           | 21.75            |
|        | 10.Transmission and SLDC Charges                             |               |               |              |               |               |               |                |               |               |                |                |                |                 |                   |                  | 784.62           | 723.4            |
|        | <b>TOTAL (B)</b>                                             | <b>7104</b>   | <b>8245</b>   | <b>8335</b>  | <b>8725</b>   | <b>9745</b>   | <b>10207</b>  | <b>10598</b>   | <b>12242</b>  | <b>15221</b>  | <b>20887</b>   | <b>21782</b>   | <b>25042</b>   | <b>30339.02</b> | <b>48468.75</b>   | <b>37259.22</b>  | <b>24041.04</b>  | <b>25971.32</b>  |
| C)     | <b>GROSS OPERATING RESULTS (A-B)</b>                         | 917.07        | 762.44        | 505.18       | 1363.69       | 1236.69       | 1382.59       | 1763.40        | 1705.38       | 1735.67       | 2182.78        | 2726.89        | 3146.75        | 4281.41         | (12621.28)        | 2641.04          | (142.04)         | (1096.06)        |
|        | <b>OTHER EXPENSES</b>                                        |               |               |              |               |               |               |                |               |               |                |                |                |                 |                   |                  |                  |                  |
|        | 1.Depreciation                                               | 301.47        | 333.23        | 423.80       | 497.87        | 571.88        | 668.69        | 757.72         | 873.25        | 907.93        | 1071.3         | 1219.77        | 1385.46        | 1551.10         | 1693.77           | 1866.34          | 1125.35          | 1263.36          |
|        | <b>2.Balance Surplus</b>                                     | <b>615.60</b> | <b>429.21</b> | <b>81.38</b> | <b>865.87</b> | <b>664.81</b> | <b>713.90</b> | <b>1005.68</b> | <b>832.13</b> | <b>827.74</b> | <b>1111.48</b> | <b>1507.12</b> | <b>1761.29</b> | <b>2730.31</b>  | (14315.05)        | 774.7            | (1267.39)        | (2359.42)        |
|        | (Less Depreciation)                                          |               |               |              |               |               |               |                |               |               |                |                |                |                 |                   |                  |                  |                  |
|        | 3.Interest Charges :                                         |               |               |              |               |               |               |                |               |               |                |                |                |                 |                   |                  |                  |                  |
|        | a)On Loans from Institutional creditors                      | 645.67        | 482.26        | 473.47       | 611.01        | 677.47        | 716.71        | 793.48         | 796.35        | 739.05        | 1019.15        | 1426.88        | 1668.69        | 2417.47         | 2982.47           | 2270.45          | 1255.93          | 1651.48          |
|        | b)On Loans from                                              |               |               |              |               |               | 60.55         |                |               |               |                |                |                |                 |                   |                  |                  |                  |
|        | State Government                                             | 122.12        | 36.56         | 76.49        | 117.24        | 168.68        | 125.10        | 5.85           | 3.89          | 4.5           | 3.99           | 3.16           | 22.29          | 35.67           | 47.73             | 58.72            | 11.66            | 0.48             |
|        | c)Less: IDC                                                  | 152.19        | 89.61         | 102.12       | 101.53        | 111.26        | 652.16        | 114.52         | 114.95        | 103.51        | 102.76         | 108.42         | 106.05         | 146.85          | 193.26            | 246.56           | 206.09           | 246.15           |
|        | <b>TOTAL Interest charges</b>                                | 651.60        | 429.21        | 447.84       | 626.72        | 734.89        | 189.65        | 684.81         | 685.29        | 640.04        | 920.38         | 1321.62        | 1584.93        | 2306.29         | 2836.90           | 2082.61          | 1061.5           | 1405.81          |
|        | Contingency Reserve                                          |               |               |              |               |               |               |                |               |               |                |                |                |                 | 2.37              | 2.28             | 2.77             | 2.55             |
|        | <b>TOTAL SURPLUS/LOSSES</b>                                  | <b>0</b>      | <b>0</b>      | <b>(366)</b> | <b>(240)</b>  | <b>(70)</b>   | <b>62</b>     | <b>321</b>     |               | <b>188</b>    | <b>191</b>     | <b>186</b>     | <b>176</b>     | <b>424.02</b>   | <b>(17154.32)</b> | <b>(1310.19)</b> | <b>(2331.66)</b> | <b>(3767.78)</b> |
|        | MAT credit entitlement of earlier years                      |               |               |              |               |               |               |                |               |               |                |                |                |                 |                   | 32.28            | 0.00             | 28.59            |
|        | Provision for Tax                                            |               |               |              | 18.50         | 5.64          | 4.50          | 29.49          | 14.00         | 18.94         | 22.7           | 35.33          | 36.54          | 74.80           | 103.29            | 68.25            | 37.00            | 28.59            |
|        | Provision for deferred tax                                   |               |               |              |               |               |               |                | 22.64         | 25.8          | 62.99          | 14.31          | 52.13          | 51.27           | -164.84           | -67.73           | (19.12)          | 48.51            |
|        | <b>NET SURPLUS/ (DEFICIT)</b>                                | <b>0</b>      | <b>0</b>      | <b>(366)</b> | <b>(222)</b>  | <b>(76)</b>   | <b>57</b>     | <b>291</b>     | <b>110</b>    | <b>143</b>    | <b>105</b>     | <b>136</b>     | <b>88</b>      | <b>297.95</b>   | <b>(17092.77)</b> | <b>(1278.43)</b> | <b>(2349.54)</b> | <b>(3816.29)</b> |

### 9.3.(A). Revenue Receipts and Expenditure (T+D) for the year 2015-16

(Rs in crores)

| Particulars                                                             | TRANSCO       | EPDCL           | SPDCL            | Total (D)        | Total (T+D)      |
|-------------------------------------------------------------------------|---------------|-----------------|------------------|------------------|------------------|
| <b><u>A. Revenue Receipts</u></b>                                       |               |                 |                  |                  |                  |
| Sale of Power                                                           | 0.00          | 7105.46         | 11604.52         | 18709.98         | 18709.98         |
| Sale of Power - Interstate/UI/inter Discom                              | 0.00          | 199.85          | 364.32           | 564.17           | 564.17           |
| Miscellaneous                                                           | 0.00          | 346.01          | 54.04            | 400.05           | 400.05           |
| Transmission & SLDC Charges - Discoms                                   | <b>723.40</b> | 0.00            | 0.00             | 0.00             | 723.40           |
| Transmission & SLDC Charges - others<br>(incl. Annual fee, Open Access) | 119.20        |                 |                  | 0.00             | 119.20           |
| Capital Contributions                                                   | 19.38         | 143.30          | 235.13           | 378.43           | 397.81           |
| Other income                                                            | 105.61        | 204.70          | 464.34           | 669.04           | 774.65           |
| Subsidy                                                                 | 0.00          | 867.55          | 2318.45          | 3186.00          | 3186.00          |
| <b>Total Revenue:</b>                                                   | <b>967.59</b> | <b>8866.87</b>  | <b>15040.80</b>  | <b>23907.67</b>  | <b>24875.26</b>  |
|                                                                         |               |                 |                  |                  |                  |
| <b><u>B. Revenue expenditure:</u></b>                                   |               |                 |                  |                  |                  |
| Purchase of power                                                       | 0.00          | 7308.43         | 14436.96         | 21745.39         | 21745.39         |
| Transmission & SLDC Charges                                             |               | 239.88          | 483.52           | <b>723.40</b>    | 723.40           |
| O & M Expenses                                                          | 126.64        | 99.32           |                  | 99.32            | 225.96           |
| Establishment (incl. Adm & Gen. Exp)                                    | 303.08        | 876.11          | 1894.63          | 2770.74          | 3073.82          |
| State Electricity Duty                                                  | 0.00          | 70.47           | 112.13           | 182.60           | 182.60           |
| Incentive to HT consumers                                               | 0.00          | 0.00            | 0.00             | 0.00             | 0.00             |
| Other Debits                                                            | 3.37          | 18.38           | 0.00             | 18.38            | 21.75            |
| Prior Period Charges/ (Credits)                                         | (1.60)        | 0.00            |                  | 0.00             | (1.60)           |
| <b>Total B</b>                                                          | <b>431.49</b> | <b>8612.59</b>  | <b>16927.24</b>  | <b>25539.83</b>  | <b>25971.32</b>  |
| <b>Gross operating results (A - B)</b>                                  | <b>536.10</b> | <b>254.28</b>   | <b>(1886.44)</b> | <b>(1632.16)</b> | <b>(1096.06)</b> |
| <b><u>C. Other Expenses:</u></b>                                        |               |                 |                  |                  |                  |
| Depreciation                                                            | 274.05        | 273.12          | 716.19           | 989.31           | 1263.36          |
| <b>Balance Surplus (Less Depreciation)</b>                              | <b>262.05</b> | <b>(18.84)</b>  | <b>(2602.63)</b> | <b>(2621.47)</b> | <b>(2359.42)</b> |
| Interest & finance Charges                                              |               |                 |                  |                  |                  |
| On loans from Institutions & others                                     | 252.70        | 453.02          | 945.76           | 1398.78          | 1651.48          |
| from State Govt.                                                        | 0.48          | 0.00            | 0.00             | 0.00             | 0.48             |
| <b>Less: IDC</b>                                                        | 125.09        | 0.01            | 121.05           | 121.06           | 246.15           |
| Total Interest & finance Charges                                        | 128.09        | 453.01          | 824.71           | 1277.72          | 1405.81          |
| Contingency Reserve                                                     |               |                 | 2.55             | 2.55             | 2.55             |
| <b>Total Surplus</b>                                                    | <b>133.96</b> | <b>(471.85)</b> | <b>(3429.89)</b> | <b>(3901.74)</b> | <b>(3767.78)</b> |
| MAT credit entitlement of earlier yeas                                  | <b>28.59</b>  | <b>0.00</b>     | <b>0.00</b>      | 0.00             | 28.59            |
| Provision for Tax/(MAT credit)                                          | 28.59         | 0.00            | 0.00             | 0.00             | 28.59            |
| Provision for Deferred Tax/(Deferred Tax Asset)                         | 48.51         | 0.00            | 0.00             | 0.00             | 48.51            |
| <b>Net Surplus / (Deficit)</b>                                          | <b>85.45</b>  | <b>(471.85)</b> | <b>(3429.89)</b> | <b>(3901.74)</b> | <b>(3816.29)</b> |

**9.4 PERCENTAGE OF INCOME AND EXPENDITURE FOR THE PERIOD (1990-91 TO 2014-15)**

| Sl.No.    | I t e m s                             | 90-91 | 91-92 | 92-93   | 93-94   | 94-95 | 95-96   | 96-97 | 97-98 | 98-99        | 98-99       |
|-----------|---------------------------------------|-------|-------|---------|---------|-------|---------|-------|-------|--------------|-------------|
|           |                                       | %     | %     | %       | %       | %     | %       | %     | %     | (Up to 1/99) | (2/99&3/99) |
| <b>A)</b> | <b>REVENUE RECEIPTS</b>               |       |       |         |         |       |         |       |       |              |             |
| 1         | By Sale of Power                      | 92.97 | 93.73 | 97.48   | 94.34   | 66.62 | 61.81   | 75.09 | 91.45 | 58.51        | 58.45       |
| 1(a)      | By interstate sale of power           |       |       |         |         |       |         |       |       |              |             |
| 2         | Miscellaneous                         | 4.05  | 2.01  | 2.51    | 5.65    | 4.06  | 4.18    | 6.32  | 8.55  | 6.46         | 5.84        |
| 3         | Subsidy                               | 2.98  | 4.26  | 0.01    | 0.01    | 29.32 | 34.01   | 18.59 | -     | 35.03        | 35.71       |
|           | TOTAL (A)                             | 100   | 100   | 100     | 100     | 100   | 100     | 100   | 100   | 100          | 100         |
| <b>B)</b> | <b>REVENUE EXPENDITURE</b>            |       |       |         |         |       |         |       |       |              |             |
| 1         | Fuel                                  | 23.69 | 24.23 | 26.07   | 27.47   | 23.09 | 30.00   | 30.79 | 29.60 | 26.39        | -           |
| 2         | Power Purchase                        | 19.50 | 26.70 | 31.87   | 33.52   | 30.19 | 27.51   | 24.50 | 32.15 | 28.98        | 76.63       |
| 3         | O& M Expnses                          | 5.07  | 5.07  | 5.55    | 5.52    | 4.25  | 3.83    | 4.03  | 3.71  | 3.31         | 2.15        |
| 4         | Establishment, General & office Expe. | 17.22 | 16.05 | 15.15   | 14.18   | 13.27 | 11.63   | 12.27 | 11.62 | 12.37        | 11.47       |
| 5         | Central Excise/ State Excise Duty     | 2.99  | 2.58  | 2.27    | 2.32    | 2.09  | 1.67    | 1.6   | 1.34  | 1.09         | 0.91        |
| 6         | Net prior period charges              |       |       |         |         |       |         |       |       | 1.99         | -0.21       |
| 7         | Expenses capitalised                  |       |       |         |         |       |         |       |       | -1.06        | -1.41       |
| 8         | Others                                | 6.45  | 1.69  | (-) 5.7 | (-)4.41 | 0.69  | (-)3.83 | 0.88  | -0.04 | 1.7          | 0.06        |
| <b>C)</b> | <b>OTHER EXPENSES</b>                 |       |       |         |         |       |         |       |       |              |             |
| 1.        | Depreciation                          | 7.74  | 7.44  | 7.91    | 7.77    | 9.21  | 9.75    | 9.84  | 7.91  | 7.13         | 3.78        |
| 2.        | Interest Charges                      | 17.34 | 16.24 | 16.88   | 13.63   | 17.21 | 19.44   | 16.09 | 13.71 | 18.1         | 6.62        |
|           | TOTAL (B + C)                         | 100   | 100   | 100     | 100     | 100   | 100     | 100   | 100   | 100          | 100         |

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**9.4 PERCENTAGE OF INCOME AND EXPENDITURE FOR THE PERIOD (1990-91 TO 2014-15)**

| Sl.No.    | I t e m s                                   | 99-2K | 2K-01 | 01-02 | 02-03 | 03-04 | 04-05 | 05-06 | 06-07 | 07-08 | 08-09 | 09-10  | 10-11  | 11-12  | 12-13  | 13-14 | 14-15 |
|-----------|---------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|-------|-------|
|           |                                             | %     | %     | %     | %     | %     | %     | %     | %     | %     | %     | %      | %      | %      | %      | %     | %     |
| <b>A)</b> | <b>REVENUE RECEIPTS</b>                     |       |       |       |       |       |       |       |       |       |       |        |        |        |        |       |       |
| 1         | By Sale of Power                            | 56.18 | 62.08 | 69.85 | 74.28 | 69.71 | 73.95 | 71.80 | 71.55 | 68.87 | 55.08 | 63.21  | 68.48  | 68.10  | 75.51  | 74.24 | 70.78 |
| 1(a)      | By interstate sale of power                 |       |       |       |       | 0.83  | 0.95  | 5.84  | 3.8   | 5.84  | 3.62  | 2.61   | 3.74   | 2      | 1.62   | 3.31  | 2.43  |
| 2         | Miscellaneous                               | 5.48  | 5.33  | 2.35  | 4.87  | 15.68 | 13.85 | 9.42  | 10.63 | 3.13  | 3.20  | 2.50   | 3.05   | 3.16   | 3.55   | 2.90  | 1.42  |
| 3         | Subsidy                                     | 38.34 | 32.59 | 27.80 | 20.85 | 13.78 | 11.25 | 12.94 | 14.02 | 16.96 | 34.59 | 27.37  | 20.77  | 23.47  | 15.43  | 15.8  | 13.08 |
| 4         | Others                                      |       |       |       |       |       |       |       |       | 3.93  | 2.57  | 2.96   | 2.47   | 1.81   | 2.14   | 1.79  | 6.25  |
| 5         | Capital Contributions                       |       |       |       |       |       |       |       |       | 1.12  | 0.74  | 1.20   | 1.30   | 1.19   | 1.36   | 1.41  | 1.49  |
| 6         | Transmission and SLDC Charges               |       |       |       |       |       |       |       |       | 0.14  | 0.19  | 0.15   | 0.19   | 0.28   | 0.39   | 0.55  | 4.56  |
|           | TOTAL (A)                                   | 100   | 100   | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0  | 100.0  | 100    | 100    | 100   | 100.0 |
| <b>B)</b> | <b>REVENUE EXPENDITURE</b>                  |       |       |       |       |       |       |       |       |       |       |        |        |        |        |       |       |
| 1         | Fuel                                        | -     | -     | -     | -     | -     |       |       |       |       |       |        |        |        |        |       |       |
| 2         | Power Purchase                              | 77.11 | 80.58 | 81.44 | 76.95 | 76.15 | 76.82 | 75.58 | 77.06 | 75.04 | 79.72 | 79.66  | 76.58  | 78.14  | 61.29  | 79.93 | 72.61 |
| 3         | O&M Expenses                                | 1.65  | 1.75  | 2.15  | 1.99  | 1.51  | 1.59  | 2.00  | 1.86  | 1.70  | 1.38  | 1.33   | 1.38   | 1.38   | 1.20   | 1.80  | 1.42  |
| 4         | Establishment, General & office Exp         | 9.55  | 7.88  | 8.11  | 8.82  | 7.56  | 8.65  | 7.68  | 8.19  | 7.95  | 6.24  | 6.60   | 9.61   | 7.96   | 5.51   | 8.03  | 13.32 |
| 5         | Central Electricity/ State Electricity Duty | 0.94  | 0.89  | 0.91  | 0.94  | 0.94  | 1.06  | 1.11  | 1.07  | 1.07  | 0.89  | 0.88   | 0.87   | 0.81   | 0.45   | 0.71  | 0.62  |
| 6         | Net prior period charges                    | -0.14 | 0.17  | -2.22 | -0.21 | 1.58  | -0.04 | 0.41  | -0.12 | -0.35 | 0.05  | (0.04) | (0.03) | (0.02) | 0.00   | 0.00  | 0.00  |
| 7         | Expenses capitalised                        | -0.98 | 0     | 0.00  | 0.00  | 0.00  |       |       | 0.41  |       |       |        |        |        |        |       |       |
| 8         | Others                                      | 0.03  | 0.27  | 0.15  | 0.09  | 0.44  | 0.44  | 1.05  |       | 5.09  | 1.57  | 0.27   | 0.51   | 0.12   | 23.10  | -0.06 | 0.69  |
| 9         | Incentives to HT consumers                  |       |       |       |       |       |       |       |       |       | 1.11  | 0.66   | 0.2    |        |        |       | 0     |
| 10        | Transmission and SLDC Charges               |       |       |       |       |       |       |       |       |       |       |        |        |        |        |       | 2.99  |
| <b>C)</b> | <b>OTHER EXPENSES</b>                       |       |       |       |       |       |       |       |       |       |       |        |        |        |        |       |       |
| 1.        | Depreciation                                | 3.75  | 3.7   | 4.60  | 5.05  | 5.17  | 5.80  | 6.26  | 6.31  | 5.42  | 4.67  | 5.00   | 4.93   | 4.52   | 3.20   | 4.53  | 4.29  |
| 2.        | Interest Charges                            | 8.09  | 4.76  | 4.86  | 6.36  | 6.65  | 5.66  | 5.67  | 4.95  | 3.82  | 4.01  | 5.42   | 5.64   | 6.72   | 5.36   | 5.05  | 4.05  |
| 3         | Taxes                                       |       |       |       |       |       | 0.04  | 0.24  | 0.26  | 0.27  | 0.37  | 0.20   | 0.32   | 0.37   | (0.12) | 0.01  | 0.00  |
| 4         | Contingency Reserve                         |       |       |       |       |       |       |       |       |       |       |        |        |        |        |       | 0.01  |
|           | TOTAL (B + C)                               | 100   | 100   | 100   | 100   | 100   | 100   | 100   | 100   | 100   | 100   | 100    | 100    | 100    | 100    | 100   | 100.0 |

#### 9.4 PERCENTAGE OF INCOME AND EXPENDITURE FOR THE

| Sl.No.    | I t e m s                                   | 14-15 | 15-16  |
|-----------|---------------------------------------------|-------|--------|
|           |                                             | %     | %      |
| <b>A)</b> | <b>REVENUE RECEIPTS</b>                     |       |        |
| 1         | By Sale of Power                            | 70.78 | 75.22  |
| 1(a)      | By interstate sale of power                 | 2.43  | 2.27   |
| 2         | Miscellaneous                               | 1.42  | 1.61   |
| 3         | Subsidy                                     | 13.08 | 12.81  |
| 4         | Others                                      | 6.25  | 3.11   |
| 5         | Capital Contributions                       | 1.49  | 1.6    |
| 6         | Transmission and SLDC Charges               | 4.56  | 3.39   |
|           | TOTAL (A)                                   | 100.0 | 100.0  |
| <b>B)</b> | <b>REVENUE EXPENDITURE</b>                  |       |        |
| 1         | Power Purchase                              | 72.61 | 75.92  |
| 2         | O&M Expenses                                | 1.42  | 0.79   |
| 3         | Establishment, General & office Exp         | 13.32 | 10.73  |
| 4         | Central Electricity/ State Electricity Duty | 0.62  | 0.64   |
| 5         | Net prior period charges                    | 0.00  | (0.01) |
| 6         | Expenses capitalised                        |       |        |
| 7         | Others                                      | 0.69  | 0.08   |
| 8         | Incentives to HT consumers                  | 0     | 0.00   |
| 9         | Transmission and SLDC Charges               | 2.99  | 2.53   |
| <b>C)</b> | <b>OTHER EXPENSES</b>                       |       |        |
| 1         | Depreciation                                | 4.29  | 4.41   |
| 2         | Interest Charges                            | 4.05  | 4.91   |
| 3         | Taxes                                       | 0.00  | 0      |
| 4         | Contingency Reserve                         | 0.01  | 0.01   |
|           | TOTAL (B + C)                               | 100.0 | 100.0  |

**9.5(A) COST OF POWER AT VARIOUS VOLTAGES  
(PAISE / KWH)**

| Sl.No. | Year    | Pooled Cost Including Purchases |         |           |        | Cost at various Voltages |          |         |         |
|--------|---------|---------------------------------|---------|-----------|--------|--------------------------|----------|---------|---------|
|        |         | Hydro                           | Thermal | Purchases | Total  | 33 KV End                | 11KV End | L.T End | Overall |
| 1      | 1982-83 | 7.33                            | 36.24   | -         | 22.29  | 28.65                    | 34.39    | 64.94   | 44.62   |
| 2      | 1983-84 | 8.74                            | 38.03   | -         | 24.28  | 31.92                    | 36.83    | 68.08   | 48.43   |
| 3      | 1984-85 | 5.40                            | 39.86   | -         | 22.21  | 28.84                    | 33.52    | 60.63   | 47.43   |
| 4      | 1985-86 | 7.10                            | 35.96   | -         | 26.79  | 34.67                    | 40.41    | 68.93   | 53.32   |
| 5      | 1986-87 | 6.58                            | 38.39   | -         | 27.23  | 35.36                    | 41.26    | 68.90   | 55.00   |
| 6      | 1987-88 | 7.42                            | 40.11   | -         | 29.17  | 33.67                    | 43.09    | 70.68   | 60.00   |
| 7      | 1988-89 | 6.63                            | 41.52   | 62.06     | 30.54  | 34.16                    | 46.61    | 77.03   | 64.00   |
| 8      | 1989-90 | 9.03                            | 50.18   | 61.93     | 35.35  | 39.21                    | 52.62    | 84.88   | 69.00   |
| 9      | 1990-91 | 9.41                            | 58.14   | 54.69     | 35.32  | 39.82                    | 54.26    | 88.90   | 75.00   |
| 10     | 1991-92 | 10.35                           | 69.46   | 67.08     | 45.62  | 50.75                    | 66.30    | 102.93  | 85.00   |
| 11     | 1992-93 | 11.05                           | 81.91   | 80.43     | 55.78  | 61.82                    | 79.24    | 117.83  | 94.00   |
| 12     | 1993-94 | 8.97                            | 91.02   | 89.71     | 61.05  | 67.59                    | 80.98    | 126.74  | 108.00  |
| 13     | 1994-95 | 13.28                           | 110.72  | 101.88    | 75.11  | 84.55                    | 99.19    | 154.22  | 134.85  |
| 14     | 1995-96 | 21.69                           | 116.43  | 106.56    | 92.09  | 102.32                   | 123.75   | 172.50  | 155.22  |
| 15     | 1996-97 | 17.82                           | 121.98  | 122.60    | 96.08  | 107.32                   | 139.78   | 234.44  | 196.85  |
| 16     | 1997-98 | 19.44                           | 131.68  | 157.36    | 117.09 | 129.55                   | 161.99   | 264.89  | 229.43  |
| 17     | 1998-99 | 22.72                           | 160.59  | 172.49    | 134.91 | 150.00                   | 187.00   | 316.94  | 275.57  |

| A.P.GENCO |         |       |         |        | Purchase of Power |                        |                       |        |
|-----------|---------|-------|---------|--------|-------------------|------------------------|-----------------------|--------|
| Sl.No.    | Year    | Hydro | Thermal | Avg    | Year              | Purchases from APGENCO | Purchases from Others | Total  |
| 18        | 1999-2K | -     | -       | 133.36 | 1999-2K           | 133.36                 | 179.50                | 151.18 |
| 20        | 2000-01 | -     | -       | 153.38 | 2000-01           | 153.38                 | 204.31                | 172.06 |
| 21        | 2001-02 | -     | -       | 156.56 | 2001-02           | 156.56                 | 213.09                | 179.05 |
| 22        | 2002-03 | -     | -       | 162.42 | 2002-03           | 162.42                 | 185.98                | 173.09 |
| 23        | 2003-04 | -     | -       | 171.00 | 2003-04           | 171.00                 | 190.12                | 180.81 |
| 24        | 2004-05 | -     | -       | 159.36 | 2004-05           | 159.36                 | 188.35                | 173.21 |
| 25        | 2005-06 | -     | -       | 141.00 | 2005-06           | 141.00                 | 206.60                | 173.00 |
| 26        | 2006-07 | -     | -       | 138.00 | 2006-07           | 138.00                 | 219.00                | 177.00 |
| 27        | 2007-08 | -     | -       | 152.00 | 2007-08           | 152.00                 | 265.00                | 207.00 |
| 28        | 2008-09 | -     | -       | 194.00 | 2008-09           | 194.00                 | 347.00                | 276.00 |
| 29        | 2009-10 | -     | -       | 231.00 | 2009-10           | 231.00                 | 297.00                | 271.00 |
| 30        | 2010-11 | -     | -       | 258.60 | 2010-11           | 258.60                 | 310.52                | 287.03 |
| 31        | 2011-12 | -     | -       | 306.78 | 2011-12           | 306.78                 | 362.28                | 336.93 |
| 32        | 2012-13 | -     | -       | 402.10 | 2012-13           | 402.10                 | 438.32                | 421.03 |
| 33        | 2013-14 | -     | -       | 316.36 | 2013-14           | 316.36                 | 471.54                | 400.76 |
| 34        | 2014-15 | -     | -       | 341.00 | 2014-15           | 341.00                 | 516.60                | 440.09 |
| 35        | 2015-16 |       |         | 407.00 | 2015-16           | 407.00                 | 490.04                | 454.00 |

**9.5(B) AVERAGE REVENUE REALISATION**

| (PAISE / KWH ) |         |          |            |        |         |
|----------------|---------|----------|------------|--------|---------|
| Sl.No          | Year    | LT Agrl. | LT Overall | HT     | Overall |
| 1              | 1999-2k | 15.16    | 117.12     | 337.35 | 174.20  |
| 2              | 2000-01 | 21.31    | 147.80     | 380.68 | 205.52  |
| 3              | 2001-02 | 17.13    | 145.01     | 385.03 | 199.65  |
| 4              | 2002-03 | 66.00    | 181.00     | 396.00 | 234.00  |
| 5              | 2003-04 | 33.00    | 166.78     | 374.92 | 224.57  |
| 6              | 2004-05 | 30.03    | 166.49     | 372.99 | 227.85  |
| 7              | 2005-06 | 1.02     | 153.81     | 379.41 | 223.83  |
| 8              | 2006-07 | 1.67     | 155.93     | 367.97 | 222.52  |
| 9              | 2007-08 | 1.40     | 174.00     | 356.82 | 239.15  |
| 10             | 2008-09 | 1.35     | 170.83     | 367.50 | 253.13  |
| 11             | 2009-10 | 1.09     | 182.02     | 390.42 | 266.42  |
| 12             | 2010-11 | 0.69     | 193.30     | 401.56 | 270.65  |
| 13             | 2011-12 | 1.03     | 197.30     | 419.75 | 280.02  |
| 14             | 2012-13 | 3.09     | 233.73     | 548.02 | 345.36  |
| 15             | 2013-14 | 0.54     | 253.09     | 634.62 | 392.72  |
| 16             | 2014-15 | 0.39     | 255.55     | 588.19 | 382.55  |
| 17             | 2015-16 | 4.3      | 295.33     | 644.13 | 424.58  |

| 9.6 COST OF COAL AS ON 31-03-2016 |                 |                       |                    |       |
|-----------------------------------|-----------------|-----------------------|--------------------|-------|
| Sl.No.                            | Thermal Station | Source of supply      | (Rs. / Metric Ton) | GRADE |
| 1                                 | R.T.P.P         | SCCL                  |                    |       |
|                                   |                 | Yellandu              | 2729.70            | G13   |
|                                   |                 | Yellandu              | 2914.17            | G14   |
|                                   |                 | Yellandu              | 3110.72            | G15   |
|                                   |                 | Rudrampur             | 2811.86            | G13   |
|                                   |                 | Manuguru              | 2892.51            | G13   |
|                                   |                 | Ramagundam            | 3921.04            | G9    |
|                                   |                 | Ramagundam            | 3370.20            | G11   |
|                                   |                 | Mandarri              | 3452.36            | G11   |
|                                   |                 | Mancheri (Sri Rampur) | 4003.20            | G9    |
|                                   |                 | Manuguru              | 5198.32            | G7    |
|                                   |                 | MCL                   |                    |       |
|                                   |                 | Talcher Washed coal   | 5728.00            | G12   |
| 2                                 | V.T.P.S.        | SCCL (Premium Coal)   |                    |       |
|                                   |                 | Yellandu              | 2064.16            | G13   |
|                                   |                 | Yellandu              | 2365.41            | G14   |
|                                   |                 | Yellandu              | 2292.76            | G15   |
|                                   |                 | Rudrampur             | 2144.06            | G13   |
|                                   |                 | Manuguru              | 4949.78            | G7    |
|                                   |                 | Ramagundam            | 3775.48            | G9    |
|                                   |                 | Ramagundam            | 3114.48            | G11   |
|                                   |                 | Mancheri (Sri Rampur) | 3775.48            | G9    |
|                                   |                 | Mandarri              | 3154.74            | G11   |
|                                   |                 | Manuguru              | 2182.81            | G13   |
|                                   |                 | MCL,                  |                    |       |
|                                   |                 | All rail route        | 2874.33            | G10   |
|                                   |                 |                       | 2823.20            | G12   |
|                                   |                 |                       | 2759.28            | G13   |
|                                   |                 | Paradeep Port         | 1690.72            | G10   |
|                                   |                 |                       | 1639.59            | G12   |
|                                   |                 |                       | 1575.68            | G13   |
|                                   |                 | Spectrum Coal         | 4103.21            |       |

Note: SCCL : Singareni Collieries Co. Ltd.  
MCL: Mahanandi Coalfields Limited.

| 9.7 COST OF OILS AS ON 31-03-2016 |                    |                     |                 |            |
|-----------------------------------|--------------------|---------------------|-----------------|------------|
|                                   |                    | Furnace Oil (Rs/Kl) | HSD Oil (Rs/Kl) | LDO(Rs/Kl) |
| 1                                 | (Dr.NTTPS) V.T.P.S | 32190.33            | 56285.93        | -          |
| 2                                 | R.T.P.P            | 32018.03            | -               | 44780.08   |

Note: FO : Furnace Oil  
HSD : High Speed Diesel Oil  
LDO : Low Speed Diesel Oil

**9.8 RATES OF POWER PURCHASE**

| S<br>No. | Source                                     | Period                                                    |          | Rate Ps/Kwh |          | Remarks         |         |            |
|----------|--------------------------------------------|-----------------------------------------------------------|----------|-------------|----------|-----------------|---------|------------|
|          |                                            | From                                                      | To       |             |          |                 |         |            |
| 1        | Neyveli Lignite Corpn<br><br>Thermal St-II | 1.4.86                                                    | 31.3.87  | 51.00       |          |                 |         |            |
|          |                                            | 1.4.87                                                    | 31.3.88  | 52.00       |          |                 |         |            |
|          |                                            | 1.4.88                                                    | 31.3.89  | 53.00       |          |                 |         |            |
|          |                                            | 1.4.89                                                    | 31.3.90  | 54.00       |          |                 |         |            |
|          |                                            | 1.4.90                                                    | 31.3.91  | 55.00       |          |                 |         |            |
|          |                                            |                                                           |          | Stage-I     | Stage-II |                 |         |            |
|          |                                            | 1.4.91                                                    | 31.3.92  | 61.00       | 114.00   |                 |         |            |
|          |                                            | 1.4.92                                                    | 31.3.93  | 65.58       | 118.76   |                 |         |            |
|          |                                            | 1.4.93                                                    | 26.8.93  | 67.58       | 119.76   |                 |         |            |
|          |                                            | 27.8.93                                                   | 1.4.94   | 69.59       | 122.45   |                 |         |            |
|          |                                            | 1.4.94                                                    | 31.3.95  | 76.35       | 131.37   |                 |         |            |
|          |                                            | 1.4.95                                                    | 31.3.96  | 78.35       | 132.37   |                 |         |            |
|          |                                            | 1.4.96                                                    | 31.3.97  | 91.25       | 141.33   |                 |         |            |
|          |                                            | 1.4.97                                                    | 31.3.99  | 94.90       | 144.97   |                 |         |            |
|          |                                            | 1.4.98                                                    | 31.3.99  | 98.91       | 149.46   |                 |         |            |
|          |                                            | 1.4.99                                                    | 31.3.2k  | 103.31      | 153.90   |                 |         |            |
|          |                                            | 1.4.2k                                                    | 31.3.01  | 108.16      | 158.80   |                 |         |            |
|          |                                            | (Provisional rate in the absence of renewal of Agreement) |          |             |          |                 |         |            |
|          |                                            | 1.4.01                                                    | 31.12.03 | 115.60      | 169.11   |                 |         |            |
|          |                                            | ABT Cap.charges                                           | 1.1.03   | 47.61       | 74.50    |                 |         |            |
|          |                                            | ABT Egy.charges                                           | 1.1.03   | 67.99       | 94.61    |                 |         |            |
|          |                                            |                                                           |          | 115.60      | 169.11   |                 |         |            |
|          |                                            | ABT Egy.charges                                           | 1.1.04   | 31.5.04     | 115.60   | 169.11          |         |            |
|          |                                            |                                                           | 1.6.04   | 31.3.05     | 115.60   | 169.11          |         |            |
|          |                                            | Stage-I                                                   | 4/05'    | 10/05'F.C   | 47.61    |                 |         |            |
|          |                                            |                                                           |          | V.C         | 67.99    |                 |         |            |
|          |                                            | Stage-II                                                  |          | F.C         | 74.50    |                 |         |            |
|          |                                            |                                                           |          | V.C         | 94.61    |                 |         |            |
|          |                                            | Stage-I                                                   | 11/05'   | 3/06'F.C    | 37.50    |                 |         |            |
|          |                                            |                                                           |          | V.C         | 114.08   |                 |         |            |
|          |                                            | Stage-II                                                  |          | F.C         | 72.10    |                 |         |            |
|          |                                            |                                                           |          | V.C         | 114.08   |                 |         |            |
|          |                                            | Stage-I                                                   | 06-07'   | FC          | 31.12    |                 |         |            |
|          |                                            |                                                           |          | VC          | 114.08   |                 |         |            |
|          |                                            | Stage-II                                                  |          | FC          | 45.32    |                 |         |            |
|          |                                            |                                                           |          | VC          | 114.08   |                 |         |            |
|          |                                            | Stage-I                                                   | 07-08'   | FC          | 27.72    |                 |         |            |
|          |                                            |                                                           |          | VC          | 121.00   |                 |         |            |
|          |                                            | Stage-II                                                  |          | FC          | 27.72    |                 |         |            |
|          |                                            |                                                           |          | VC          | 121.00   |                 |         |            |
|          |                                            | Stage-I                                                   | 08-09'   | FC          | 32.70    |                 |         |            |
|          |                                            |                                                           |          | VC          | 121.00   |                 |         |            |
|          |                                            | Stage-II                                                  |          | FC          | 35.20    |                 |         |            |
|          |                                            |                                                           |          | VC          | 121.00   |                 |         |            |
|          |                                            | Stage-I                                                   | 10-11    | FC          | 34.16    |                 |         |            |
|          |                                            |                                                           |          | VC          | 121.00   |                 |         |            |
|          |                                            | Stage-II                                                  |          | FC          | 36.54    |                 |         |            |
|          |                                            |                                                           |          | VC          | 121.00   |                 |         |            |
|          | NLC                                        | Stage-I                                                   | 11-12    | FC          | 53.54    |                 |         |            |
|          |                                            |                                                           |          | VC          | 179.92   |                 |         |            |
|          |                                            | Stage-II                                                  |          | FC          | 55.99    |                 |         |            |
|          |                                            |                                                           |          | VC          | 180.14   |                 |         |            |
|          | NLC                                        | Stage-I                                                   | 12-13    | FC          | 64.27    |                 |         |            |
|          |                                            |                                                           |          | VC          | 197.74   |                 |         |            |
|          |                                            | Stage-II                                                  |          | FC          | 64.02    |                 |         |            |
|          |                                            |                                                           |          | VC          | 215.53   |                 |         | 3003366109 |
|          | NLC                                        | Stage-I                                                   | 13-14    | FC          | 73.53    |                 |         |            |
|          |                                            |                                                           |          | VC          | 215.21   |                 |         |            |
|          |                                            | Stage-II                                                  |          | FC          | 71.09    |                 |         |            |
|          |                                            |                                                           |          | VC          | 205.37   |                 |         | 3003366109 |
|          | NLC                                        | Stage-I                                                   | 14-15    |             | 315.44   |                 |         |            |
|          |                                            | Stage-II                                                  | 14-15    |             | 306.62   |                 |         |            |
|          | NLC                                        | Stage-I                                                   | 15-16    | FC          | 68.57    |                 |         |            |
|          |                                            |                                                           |          | VC          | 317.02   |                 |         |            |
|          |                                            | Stage-II                                                  | 15-16    | FC          | 66.68    |                 |         |            |
|          |                                            |                                                           |          | VC          | 237.00   |                 |         |            |
| 2        | Madras Atomic<br>Power Station<br>(NPC)    | 21.3.86                                                   | 31.3.91  | 44.48       |          | ** Period       | FAC(Ps) |            |
|          |                                            |                                                           |          | +FAC        |          | 1.4.92 onwards  | 11.57   | paise      |
|          |                                            |                                                           |          |             |          | 1.4.93 onwards  | 13.47   | paise      |
|          |                                            |                                                           |          |             |          | 1.8.93 onwards  | 13.96   | paise      |
|          |                                            |                                                           |          |             |          | 1.12.93 onwards | 14.06   | paise      |
|          |                                            |                                                           |          |             |          | 1.4.94 onwards  | 15.76   | paise      |
|          |                                            |                                                           |          |             |          | 1.8.94 onwards  | 17.10   | paise      |
|          |                                            |                                                           |          |             |          | 1.11.94 onwards | 17.55   | paise      |
|          |                                            |                                                           |          |             |          | 1.12.94 onwards | 17.60   | paise      |
|          |                                            |                                                           |          |             |          | 1.2.95 onwards  | 17.62   | paise      |
|          |                                            |                                                           |          |             |          | 1.4.95 30.11.95 | 17.63   | paise      |
|          |                                            | 17.7.96                                                   | 31.10.97 | 128.78      |          | 1.12.95 28.2.95 | 18.09   | paise      |
|          |                                            |                                                           |          | +FAC        |          | 1.3.96 31.7.96  | 18.25   | paise      |
|          |                                            |                                                           |          | +HWAC       |          | 1.8.96 30.11.96 | 2.03    | paise      |
|          |                                            | 1.11.97                                                   | onwards  | 128.78      |          |                 |         |            |
|          |                                            |                                                           |          | +FAC        |          | 1.12.96 onwards | 4.62    | paise      |
|          |                                            |                                                           |          | +HWAC       |          | 11.4.97 onwards | 17.07   | paise      |
|          |                                            | 1.11.98                                                   | 30.9.99  | 128.78      |          | 1.11.97 onwards | 17.11   | paise      |
|          |                                            |                                                           |          | +FAC        |          | 1.4.98 31.10.98 | 17.28   | paise      |
|          |                                            |                                                           |          | +HWAC       |          | 1.11.98 31.3.99 | 19.76   | paise      |
|          |                                            | 1.10.99                                                   | 31.10.99 | 132.47      |          | 4/02            | 2.41    | HWC        |
|          |                                            |                                                           |          | +FAC        |          | 5/02 3/03       | 3.62    | (FAC+HWC)  |
|          |                                            |                                                           |          | +HWAC       |          | 4/03            | 5.79    | (FAC+HWC)  |
|          |                                            | 1.11.99                                                   | 30.4.2k  | 135.69      |          | 5/03 onwards    | 9.31    | (FAC+HWC)  |

# 9.8 RATES OF POWER PURCHASE

| Sl.No. | Source                            | Period         |         | Rate Ps/Kwh                   | Remarks                                                                                                                                                                                                                                       |
|--------|-----------------------------------|----------------|---------|-------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|        |                                   | From           | To      |                               |                                                                                                                                                                                                                                               |
| 1      | 2                                 | 3              | 4       | 5                             |                                                                                                                                                                                                                                               |
| 2      | Madras Atomic Power Station (NPC) | 1.5.2k         | 31.3.01 | +HWAC 135.69<br>+FAC<br>+HWAC | (Fuel adjustment charges(FAC) includes decommissioning charges, fuel and heavy Water Lease & Make up adjustment charges.<br>The basic costs adopted for UO2 is Rs.2291/Kg & for Heavy Water Rs.4292/Kg; Heavy Water lease at 8% of Rs.4292/Kg |
|        |                                   | 1.4.01         | 31.3.02 | 135.69<br>+FAC<br>+HWAC       | (FAC on 31.3.91 : 14.23 Ps)<br>Fuel Adjustment charges(FAC) includes above charges.                                                                                                                                                           |
|        |                                   | 1.4.02         | onwards | 210.51<br>+FAC<br>+HWAC       | The basic cost adopted for Uos is Rs4700/Kg, for Heavy Water Rs.5783/Kg and Heavy water lease at 12% of Rs.5783/Kg.                                                                                                                           |
|        |                                   | 4/02           |         | 210.51<br>+HWAC               | (FAC as on 31.3.91 : 8.55 ps)                                                                                                                                                                                                                 |
|        |                                   | 5/02           | 3/03    | 212.92<br>210.51<br>+FAC      |                                                                                                                                                                                                                                               |
|        |                                   |                |         | 1.21<br>+HWAC                 |                                                                                                                                                                                                                                               |
|        |                                   |                |         | 2.41<br>214.13                |                                                                                                                                                                                                                                               |
|        |                                   | 4/03           |         | 210.51<br>+FAC                |                                                                                                                                                                                                                                               |
|        |                                   |                |         | 1.21<br>+HWAC                 |                                                                                                                                                                                                                                               |
|        |                                   |                |         | 4.58<br>5.79                  |                                                                                                                                                                                                                                               |
|        |                                   | 5/03           | 2/04    | 210.51<br>+FAC                |                                                                                                                                                                                                                                               |
|        |                                   |                |         | 4.73<br>+HWAC                 |                                                                                                                                                                                                                                               |
|        |                                   |                |         | 4.58<br>219.82                |                                                                                                                                                                                                                                               |
|        |                                   | 3/04           |         | 203.76<br>+FAC                |                                                                                                                                                                                                                                               |
|        |                                   |                |         | 4.73<br>+HWAC                 |                                                                                                                                                                                                                                               |
|        |                                   |                |         | 4.58<br>213.07                |                                                                                                                                                                                                                                               |
|        |                                   | 4/04           |         | 202.51<br>+FAC                |                                                                                                                                                                                                                                               |
|        |                                   |                |         | 4.73<br>+HWAC                 |                                                                                                                                                                                                                                               |
|        |                                   |                |         | -20.95<br>Ins                 |                                                                                                                                                                                                                                               |
|        |                                   |                |         | 1.30<br>187.59                |                                                                                                                                                                                                                                               |
|        |                                   | 5/04 to 8/04   |         | 202.51<br>+FAC                |                                                                                                                                                                                                                                               |
|        |                                   |                |         | 8.51<br>+HWAC                 |                                                                                                                                                                                                                                               |
|        |                                   |                |         | -20.95<br>Ins                 |                                                                                                                                                                                                                                               |
|        |                                   |                |         | 1.30<br>191.37                |                                                                                                                                                                                                                                               |
|        |                                   | 9/04           |         | 202.51<br>+FAC                |                                                                                                                                                                                                                                               |
|        |                                   |                |         | 8.51<br>+HWAC                 |                                                                                                                                                                                                                                               |
|        |                                   |                |         | -20.95<br>Ins                 |                                                                                                                                                                                                                                               |
|        |                                   |                |         | 1.28<br>191.35                |                                                                                                                                                                                                                                               |
|        |                                   | 10/04 & 11/04  |         | 202.51<br>+FAC                |                                                                                                                                                                                                                                               |
|        |                                   |                |         | 8.51<br>+HWAC                 |                                                                                                                                                                                                                                               |
|        |                                   |                |         | -20.95<br>Ins                 |                                                                                                                                                                                                                                               |
|        |                                   |                |         | 1.29<br>191.36                |                                                                                                                                                                                                                                               |
|        |                                   | 12/04 to 3/05  |         | 202.51<br>+FAC                |                                                                                                                                                                                                                                               |
|        |                                   |                |         | 8.51<br>+HWAC                 |                                                                                                                                                                                                                                               |
|        |                                   |                |         | -20.95<br>Ins                 |                                                                                                                                                                                                                                               |
|        |                                   |                |         | 1.40<br>191.47                |                                                                                                                                                                                                                                               |
|        |                                   | 4/05' to 3/06' |         |                               |                                                                                                                                                                                                                                               |
|        |                                   | Basic rate     |         | 194.89(Ps)                    |                                                                                                                                                                                                                                               |
|        |                                   | +FAC           |         | 19.88                         |                                                                                                                                                                                                                                               |
|        |                                   | +HWAC          |         | -20.82                        |                                                                                                                                                                                                                                               |
|        |                                   | Insurance      |         | 1.25                          |                                                                                                                                                                                                                                               |
|        |                                   | 04/06'to 9/06  |         |                               |                                                                                                                                                                                                                                               |
|        |                                   | Basic rate     |         | 194.89                        |                                                                                                                                                                                                                                               |
|        |                                   | +FAC           |         | 13.53                         |                                                                                                                                                                                                                                               |
|        |                                   | +HWAC          |         | -20.88                        |                                                                                                                                                                                                                                               |
|        |                                   | Insurance      |         | 1.25                          |                                                                                                                                                                                                                                               |

**9.8 RATES OF POWER PURCHASE**

| Sl.No.        | Source                            | Period                 |          | Rate Ps/Kwh                       |         | Remarks                                                    |                                   |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|---------------|-----------------------------------|------------------------|----------|-----------------------------------|---------|------------------------------------------------------------|-----------------------------------|--|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|               |                                   | From                   | To       |                                   |         |                                                            |                                   |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| 1             | 2                                 | 3                      | 4        | 5                                 |         |                                                            |                                   |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| 2             | Madras Atomic Power Station (NPC) | 10/06* to 03/07        |          | 181.18                            |         | Average rate taken by dividing total amount by total units |                                   |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|               |                                   | Basic rate             |          | 0.07                              |         |                                                            |                                   |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|               |                                   | +HWAC                  |          | 0.74                              |         |                                                            |                                   |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|               |                                   | Insurance up to Nov'06 |          | 0.62                              |         |                                                            |                                   |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|               |                                   | From 12/06 to 3/07'    |          | 200.33                            |         |                                                            |                                   |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|               |                                   | 2007-08                |          | 191.60                            |         |                                                            |                                   |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|               |                                   | 2008-09                |          | 197.67                            |         |                                                            |                                   |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|               |                                   | 2010-11                |          | 209.77                            |         |                                                            |                                   |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|               |                                   | 2011-12                |          | 204.14                            |         |                                                            |                                   |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|               |                                   | 2012-13                |          | 207.39                            |         |                                                            |                                   |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|               |                                   | 2013-14                |          | 207.69                            |         |                                                            |                                   |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|               |                                   | 2014-15                |          | 208.90                            |         |                                                            |                                   |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|               |                                   | 2015-16                |          | 295.20                            |         |                                                            |                                   |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|               |                                   | 2007-08                |          | 308.40                            |         |                                                            |                                   |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| 2(a)          | NPC(Kaiga)                        | 2008-09                |          | 617.66                            |         | Average rate taken by dividing total amount by total units |                                   |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|               |                                   | 2009-10                |          | 303.76                            |         |                                                            |                                   |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|               |                                   | 2010-11                |          | 311.87                            |         |                                                            |                                   |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|               |                                   | 2011-12                |          | 297.12                            |         |                                                            |                                   |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|               |                                   | 2012-13                |          | 303.84                            |         |                                                            |                                   |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|               |                                   | 2013-14                |          | 306.97                            |         |                                                            |                                   |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|               |                                   | 2014-15                |          | 308.54                            |         |                                                            |                                   |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|               |                                   | 2015-16                |          | 235.14                            |         |                                                            |                                   |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|               |                                   | 2005-06                |          | Var.                              | Cr.     |                                                            |                                   |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|               |                                   |                        |          | 109.92                            |         |                                                            |                                   |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|               |                                   | 2006-07                | FC       | 235.14                            | Cr.     |                                                            |                                   |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|               |                                   | 2008-09                |          | 219.00                            |         |                                                            |                                   |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|               |                                   |                        |          | Var.                              | 109.92  |                                                            |                                   |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|               |                                   |                        |          | 221.73                            |         |                                                            |                                   |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| 2(b)          | NTPC(SR) - III                    | 2010-11                |          | 246.54                            |         | Average rate taken by dividing total amount by total units |                                   |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|               |                                   | 2011-12                |          | 293.16                            |         |                                                            |                                   |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|               |                                   | 2012-13                |          | 321.88                            |         |                                                            |                                   |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|               |                                   | 2013-14                |          | 362.45                            |         |                                                            |                                   |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|               |                                   | 2014-15                |          | 309.03                            |         |                                                            |                                   |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|               |                                   | 2015-16                |          | 86.46                             |         |                                                            |                                   |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|               |                                   |                        | FC       | 228.04                            |         |                                                            |                                   |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|               |                                   |                        | VC       | 314.50                            |         |                                                            |                                   |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|               |                                   | 1.3.84                 | 31.10.88 | 43+FAC                            |         |                                                            |                                   |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|               |                                   |                        |          |                                   |         |                                                            |                                   |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|               |                                   | 1.11.88                | 31.3.91  | 65.03                             |         |                                                            |                                   |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|               |                                   | 1.4.91                 | 31.10.92 | ---                               |         |                                                            |                                   |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|               |                                   | 3                      | NTPC(SR) | 1.11.92                           | onwards |                                                            | Fixed Charges: Rs.382.32 Cr/Annum |  | Fuel Adj. Charges on coal and oil varies from month to month which is to be worked out based on basic Coal cost of Rs.258.46 per MT and basic Oil cost of Rs.2957 per Kl.<br><br>Flat rate tariff proposed by NTPC for this period which is yet to be finalised and referred to umpire.<br><br>Tariff yet to be finalised and referred to umpire.<br><br>Two part tariff as per Govt. of India notification No.3/19 (iii)/92-US(CT), Dt.2.11.92 (Avg. rate varies from month to month) |
|               |                                   |                        |          |                                   |         |                                                            | Vari.ch: 37.66 ps/unit            |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| 1.4.95        |                                   |                        |          | Fixed Charges: Rs.427.04 Cr/Annum |         |                                                            |                                   |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|               |                                   |                        |          | Vari.ch: 37.66 ps/unit            |         |                                                            |                                   |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| 1.11.98       | 30.9.99                           |                        |          | Fixed Charges: Rs.463.40 Cr/Annum |         |                                                            |                                   |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|               |                                   |                        |          | Vari.ch: 37.66 ps/unit            |         |                                                            |                                   |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| 1.10.99       | 7/03                              |                        |          | Fixed Charges: Rs.512.92 Cr/Annum |         |                                                            |                                   |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|               |                                   |                        |          | Vari.ch: 37.66 ps/unit            |         |                                                            |                                   |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|               |                                   |                        |          | +FAC                              |         |                                                            |                                   |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|               |                                   |                        |          | 486.08 crs                        |         |                                                            |                                   |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| 8/03          |                                   |                        |          | Vari.ch: 82.62 ps.                |         |                                                            |                                   |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| 8/03          |                                   |                        |          | 81.62                             |         |                                                            |                                   |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| 9/04          | 12/04                             |                        |          | 465.31                            | Cr      |                                                            |                                   |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| 1/05          | 6/05                              |                        |          | 466.55                            | Cr      |                                                            |                                   |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|               | 7/05                              | 451.96                 | Cr       |                                   |         |                                                            |                                   |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|               |                                   | Vari.ch: 82.14 ps      |          |                                   |         |                                                            |                                   |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|               |                                   | +FAC                   |          |                                   |         |                                                            |                                   |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| 1/06 on wards |                                   | 495.85                 | Cr       |                                   |         |                                                            |                                   |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|               |                                   | 82.15                  |          |                                   |         |                                                            |                                   |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| 06 - 07'      | FC                                | 460.76                 | Cr       |                                   |         |                                                            |                                   |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|               |                                   | 82.84                  |          |                                   |         |                                                            |                                   |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| 07-08'        | FC                                | 470.3                  | Cr       |                                   |         |                                                            |                                   |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|               |                                   | 82.84                  |          |                                   |         |                                                            |                                   |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|               |                                   | FPA                    | 23.42    |                                   |         |                                                            |                                   |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|               |                                   | 175.2                  |          |                                   |         |                                                            |                                   |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|               |                                   | 189.73                 |          |                                   |         |                                                            |                                   |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|               |                                   | 190.23                 |          |                                   |         |                                                            |                                   |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|               |                                   | 209.31                 |          |                                   |         |                                                            |                                   |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|               |                                   | 246.72                 |          |                                   |         |                                                            |                                   |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|               |                                   | 272.06                 |          |                                   |         |                                                            |                                   |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|               |                                   | 296.82                 |          |                                   |         |                                                            |                                   |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|               |                                   | 51.36                  |          |                                   |         |                                                            |                                   |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|               |                                   | 223.81                 | 275.18   |                                   |         |                                                            |                                   |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
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|               |                                   |                        |          |                                   |         |                                                            |                                   |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|               |                                   |                        |          |                                   |         |                                                            |                                   |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|               |                                   |                        |          |                                   |         |                                                            |                                   |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|               |                                   |                        |          |                                   |         |                                                            |                                   |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|               |                                   |                        |          |                                   |         |                                                            |                                   |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|               |                                   |                        |          |                                   |         |                                                            |                                   |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|               |                                   |                        |          |                                   |         |                                                            |                                   |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|               |                                   |                        |          |                                   |         |                                                            |                                   |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|               |                                   |                        |          |                                   |         |                                                            |                                   |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|               |                                   |                        |          |                                   |         |                                                            |                                   |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|               |                                   |                        |          |                                   |         |                                                            |                                   |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|               |                                   |                        |          |                                   |         |                                                            |                                   |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|               |                                   |                        |          |                                   |         |                                                            |                                   |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|               |                                   |                        |          |                                   |         |                                                            |                                   |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|               |                                   |                        |          |                                   |         |                                                            |                                   |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|               |                                   |                        |          |                                   |         |                                                            |                                   |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|               |                                   |                        |          |                                   |         |                                                            |                                   |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|               |                                   |                        |          |                                   |         |                                                            |                                   |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|               |                                   |                        |          |                                   |         |                                                            |                                   |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|               |                                   |                        |          |                                   |         |                                                            |                                   |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|               |                                   |                        |          |                                   |         |                                                            |                                   |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|               |                                   |                        |          |                                   |         |                                                            |                                   |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|               |                                   |                        |          |                                   |         |                                                            |                                   |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|               |                                   |                        |          |                                   |         |                                                            |                                   |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|               |                                   |                        |          |                                   |         |                                                            |                                   |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|               |                                   |                        |          |                                   |         |                                                            |                                   |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|               |                                   |                        |          |                                   |         |                                                            |                                   |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|               |                                   |                        |          |                                   |         |                                                            |                                   |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|               |                                   |                        |          |                                   |         |                                                            |                                   |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|               |                                   |                        |          |                                   |         |                                                            |                                   |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|               |                                   |                        |          |                                   |         |                                                            |                                   |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|               |                                   |                        |          |                                   |         |                                                            |                                   |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|               |                                   |                        |          |                                   |         |                                                            |                                   |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|               |                                   |                        |          |                                   |         |                                                            |                                   |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|               |                                   |                        |          |                                   |         |                                                            |                                   |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|               |                                   |                        |          |                                   |         |                                                            |                                   |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
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|               |                                   |                        |          |                                   |         |                                                            |                                   |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|               |                                   |                        |          |                                   |         |                                                            |                                   |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|               |                                   |                        |          |                                   |         |                                                            |                                   |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|               |                                   |                        |          |                                   |         |                                                            |                                   |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|               |                                   |                        |          |                                   |         |                                                            |                                   |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|               |                                   |                        |          |                                   |         |                                                            |                                   |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|               |                                   |                        |          |                                   |         |                                                            |                                   |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|               |                                   |                        |          |                                   |         |                                                            |                                   |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|               |                                   |                        |          |                                   |         |                                                            |                                   |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|               |                                   |                        |          |                                   |         |                                                            |                                   |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|               |                                   |                        |          |                                   |         |                                                            |                                   |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|               |                                   |                        |          |                                   |         |                                                            |                                   |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|               |                                   |                        |          |                                   |         |                                                            |                                   |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|               |                                   |                        |          |                                   |         |                                                            |                                   |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|               |                                   |                        |          |                                   |         |                                                            |                                   |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|               |                                   |                        |          |                                   |         |                                                            |                                   |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|               |                                   |                        |          |                                   |         |                                                            |                                   |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|               |                                   |                        |          |                                   |         |                                                            |                                   |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|               |                                   |                        |          |                                   |         |                                                            |                                   |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|               |                                   |                        |          |                                   |         |                                                            |                                   |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|               |                                   |                        |          |                                   |         |                                                            |                                   |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|               |                                   |                        |          |                                   |         |                                                            |                                   |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|               |                                   |                        |          |                                   |         |                                                            |                                   |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|               |                                   |                        |          |                                   |         |                                                            |                                   |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|               |                                   |                        |          |                                   |         |                                                            |                                   |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|               |                                   |                        |          |                                   |         |                                                            |                                   |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|               |                                   |                        |          |                                   |         |                                                            |                                   |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|               |                                   |                        |          |                                   |         |                                                            |                                   |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|               |                                   |                        |          |                                   |         |                                                            |                                   |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|               |                                   |                        |          |                                   |         |                                                            |                                   |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |

**9.8 RATES OF POWER PURCHASE**

| 5.5 RATES OF POWER PURCHASE                       |                    |                              |                  |                    |         |                                        |        |  |
|---------------------------------------------------|--------------------|------------------------------|------------------|--------------------|---------|----------------------------------------|--------|--|
| Sl.No.                                            | Source             | Period                       |                  | Rate Ps/Kwh        |         | Remarks                                |        |  |
|                                                   |                    | From                         | To               |                    |         |                                        |        |  |
| Average rate billed from 1.11.92 (including FAC): |                    |                              |                  |                    |         |                                        |        |  |
| 4                                                 | SIMHADRI           | 4/96-3/97                    |                  | 88.08              |         |                                        |        |  |
|                                                   |                    | 4/97-3/98                    |                  | 108.79             |         |                                        |        |  |
|                                                   |                    | 4/98-3/99                    | (Provl)          | 119.04             |         |                                        |        |  |
|                                                   |                    | 4/99-3/2k                    | (Provl)          | 126.63             |         |                                        |        |  |
|                                                   |                    | 4/2k-3/01                    | (Provl)          | 129.05             |         |                                        |        |  |
|                                                   |                    | 4/01-3/02                    | (Provl)          | 132.55             |         |                                        |        |  |
|                                                   |                    | 4/02                         | 3/03             | 130.90             |         |                                        |        |  |
|                                                   |                    | 4/03                         | 3/04             | 122.92             |         |                                        |        |  |
|                                                   |                    | 4/04                         | 3/05(provl)      | 143.71             |         |                                        |        |  |
|                                                   |                    | 3/05                         | 9/05             | Vari.Ch:           | 79.62   | (Avg. rate varied from month to month) |        |  |
|                                                   |                    | 10/05                        | 12/05            | 452                | Cr PA   | (Avg. rate varied from month to month) |        |  |
|                                                   |                    | 01/06 on wards               |                  | 452.36             | Cr PA   | (Avg. rate varied from month to month) |        |  |
|                                                   |                    | 06-07'                       | FC               | 458.10             | Cr      |                                        |        |  |
|                                                   |                    |                              |                  | Var. chr           | 77.12   |                                        |        |  |
|                                                   |                    | 2007-08                      | FC               | 458.72             | Cr      |                                        |        |  |
|                                                   |                    |                              |                  | Vari.Ch:           | 77.12   |                                        |        |  |
|                                                   |                    |                              |                  | FPA                | 27.08   |                                        |        |  |
|                                                   |                    | 2008-09                      |                  | 193.70             |         |                                        |        |  |
|                                                   |                    | 2009-10                      |                  | 236.90             |         |                                        |        |  |
|                                                   |                    | 2010-11                      |                  | 232.77             |         |                                        |        |  |
|                                                   |                    | 2011-12                      | Stage I          | 314.72             |         |                                        |        |  |
|                                                   |                    | 2011-12                      | Stage II         | 380.00             |         |                                        |        |  |
|                                                   |                    | 2012-13                      | Stage I          | 343.11             |         |                                        |        |  |
|                                                   |                    | 2012-13                      | Stage II         | 382.09             |         |                                        |        |  |
|                                                   |                    | 2013-14                      | Stage I          | 356.82             |         |                                        |        |  |
|                                                   |                    | 2013-14                      | Stage II         | 414.72             |         |                                        |        |  |
|                                                   |                    | 2014-15                      | Stage I          | 368.02             |         |                                        |        |  |
|                                                   |                    | 2014-15                      | Stage II         | 421.39             |         |                                        |        |  |
|                                                   |                    | 2015-16                      | Stage I          | 346.00             |         |                                        |        |  |
|                                                   |                    | 2015-16                      | Stage II         | 393.00             |         |                                        |        |  |
|                                                   |                    | 5                            | TALCHER-II & III | 8/03 to            | Fixed   | 278.9 cr P.A                           |        |  |
|                                                   |                    |                              |                  | 2/04               | VC      | 44.02 ps                               |        |  |
|                                                   |                    |                              |                  | 3/04               | Fixed   | 564.67 Cr.PA                           |        |  |
|                                                   |                    |                              |                  |                    | VC      | 44.02 ps                               |        |  |
|                                                   |                    |                              |                  | 4/04 to            | Fixed   | 564.67 Cr.PA                           |        |  |
|                                                   |                    |                              |                  | 10/04              | VC      | 42.26 ps                               |        |  |
|                                                   |                    |                              |                  | 11/04 to           | Fixed   | 690.54 cr.P.A                          |        |  |
|                                                   |                    |                              |                  | 7/05               | VC      | 42.86 ps                               |        |  |
|                                                   |                    |                              |                  | 8/05 on wards. FC  |         | 990.73                                 | Cr.P.A |  |
|                                                   |                    |                              |                  |                    | VC      | 42.86 ps                               |        |  |
| From '2/06 FC                                     |                    |                              |                  | 208.44             | Cr.P.A  |                                        |        |  |
|                                                   | VC                 |                              |                  | 52.35              |         |                                        |        |  |
| 06-07'                                            | FC                 |                              |                  | 990.7265           | Cr.P.A  | (+) or (-) FSA (add) varies            |        |  |
|                                                   | VC                 |                              |                  | 50.82              |         |                                        |        |  |
| 2007-08                                           | FC                 |                              |                  | 898.55             | Cr.P.A  |                                        |        |  |
|                                                   | VC                 |                              |                  | 58.73              | Ps      |                                        |        |  |
|                                                   | FPA                |                              |                  | 16.75              | Ps      |                                        |        |  |
| 2008-09                                           |                    |                              |                  | 154.1              |         |                                        |        |  |
| 2009-10                                           |                    |                              |                  | 212.77             |         |                                        |        |  |
| 2010-11                                           |                    |                              |                  | 238.30             |         |                                        |        |  |
| 2011-12                                           |                    |                              |                  | 283.98             |         |                                        |        |  |
| 2012-13                                           |                    |                              |                  | 240.95             |         |                                        |        |  |
| 2013-14                                           |                    |                              |                  | 238.75             |         |                                        |        |  |
| 2014-15                                           |                    |                              |                  | 232.89             |         |                                        |        |  |
| 2015-16                                           |                    |                              |                  | 205.00             |         |                                        |        |  |
| 6                                                 | TALCHER-II<br>MPEB |                              |                  | 1.4.91             | 30.6.92 | 101.30                                 |        |  |
|                                                   |                    |                              |                  | 1.7.92             | 28.2.94 | 115.00                                 |        |  |
|                                                   |                    |                              |                  | 1.3.94             | onwards |                                        |        |  |
|                                                   |                    |                              |                  | a)6 Hrs to 22 Hrd  |         | 175.00                                 |        |  |
|                                                   |                    |                              |                  | b) 22 Hrs to 6 Hrs |         | 110.00                                 |        |  |
|                                                   |                    | 1.9.95                       | onwards          |                    |         |                                        |        |  |
|                                                   |                    | a)6 Hrs to 22 Hrd            |                  | 225.00             |         |                                        |        |  |
|                                                   |                    | b) 22 Hrs to 6 Hrs           |                  | 225.00             |         |                                        |        |  |
|                                                   |                    | 1.10.96                      | onwards          | 270.00             | (prov)  |                                        |        |  |
|                                                   |                    | Bilateral exchange of power: |                  |                    |         |                                        |        |  |
| 7                                                 | MSEB               | 13.2.91                      | onwards          | 120.00             |         |                                        |        |  |
|                                                   |                    | WESTERN REGION POWER         |                  |                    |         |                                        |        |  |
|                                                   |                    | 1.1.98                       | 30.6.98          | 143.61             |         |                                        |        |  |
|                                                   |                    | 1.7.98                       | 31.12.98         | 145.53             |         |                                        |        |  |
|                                                   |                    | 1.1.99                       | 30.6.99          | 150.44             |         |                                        |        |  |
|                                                   |                    | 1.7.99                       | 31.12.99         | 157.71             |         |                                        |        |  |
|                                                   |                    | 1.1.2k                       | 6/2k             | 175.01             |         |                                        |        |  |
|                                                   |                    | 1/01                         | onwards          | 185.38             |         |                                        |        |  |
|                                                   |                    | 2/01                         | 3/01             | 185.38             |         |                                        |        |  |
|                                                   |                    | 2001-02                      |                  |                    |         |                                        |        |  |
|                                                   |                    | 4/2001                       | 6/2001           | 185.38             |         |                                        |        |  |
|                                                   |                    | 7/2001                       | 12/2001          | 182.63             |         |                                        |        |  |
|                                                   |                    | 1/2002                       | 3/2002           | 189.69             |         |                                        |        |  |

| Sl. No. | Source          | Period                                      |          | Rate Ps/Kwh   |  | Remarks                     |
|---------|-----------------|---------------------------------------------|----------|---------------|--|-----------------------------|
|         |                 | From                                        | To       |               |  |                             |
| 8       | APGPCL          |                                             |          |               |  |                             |
|         | <b>Stage-I</b>  | From 12/90 to 22.12.90                      |          | 115.00        |  | Demand Charges at Rs.55/KVA |
|         |                 | 23.12.91                                    | 22.12.92 | 130.00        |  | Demand Charges at Rs.65/KVA |
|         |                 | 23.12.92                                    | onwards  | 134.00        |  | Demand Charges at Rs.75/KVA |
|         |                 | 23.6.93                                     | onwards  | 151.00        |  | Demand Charges at Rs.75/KVA |
|         |                 | 1.2.98                                      | onwards  | 121.00        |  | Demand Charges at Rs.75/KVA |
|         |                 | 1.4.98                                      | onwards  | 151.00        |  | Demand Charges at Rs.75/KVA |
|         |                 | 1.1.99                                      | 12/02    | 121.00        |  | Demand Charges at Rs.75/KVA |
|         |                 | 1/03                                        | 3/03     | 178.00        |  |                             |
|         |                 | 4/03                                        | 6/03     | 152.00        |  |                             |
|         |                 | 7/03                                        | 11/03    | 161.00        |  |                             |
|         |                 | 12/03                                       | onwards  | 175.00        |  |                             |
|         |                 | 2/04                                        | 3/04     | 222.00        |  |                             |
|         |                 | 4/04 -9/04                                  | onwards  | 171.00        |  | Demand Charges at Rs.75/KVA |
|         |                 | 10/04                                       |          | 200.00        |  |                             |
|         |                 | 11/04 to                                    | 3/05     | 213.00        |  |                             |
|         |                 | 4/05'to2/06'                                |          | 167.00        |  |                             |
|         |                 | 3/06'onwards                                |          | 166.00        |  |                             |
|         |                 | 06-07'                                      |          | 133.00        |  |                             |
|         |                 | 07-08'                                      |          | 138.837       |  |                             |
|         |                 | 08-09                                       |          | 200.60        |  |                             |
|         |                 | 2009-10                                     |          | 177.06        |  |                             |
|         |                 | 2010-11                                     |          | 266.59        |  |                             |
|         |                 | 2011-12                                     |          | 580.92        |  |                             |
|         |                 | 2012-13                                     |          | 255.49        |  |                             |
|         |                 | 2013-14                                     |          | 295.16        |  |                             |
|         |                 | <b>2014-15</b>                              |          | <b>358.29</b> |  |                             |
|         |                 | <b>2015-16</b>                              |          | <b>374.07</b> |  |                             |
|         | <b>Stage-II</b> | 1.5.97                                      | 10/97    | 250.00        |  |                             |
|         |                 | 1.11.97                                     | 1/98     | 280.00        |  |                             |
|         |                 | 1.2.98                                      | 31.4.98  | 270.00        |  |                             |
|         |                 | 1.5.98                                      | 30.5.98  | 243.00        |  |                             |
|         |                 | 1.6.98                                      | onwards  | 247.00        |  |                             |
|         |                 | 1.12.99                                     | 12/2k    | 275.00        |  |                             |
|         |                 | 1/01                                        | 12/01    | 170.00        |  |                             |
|         |                 | 1/02                                        | 3/03     | 156.00        |  |                             |
|         |                 | 4/03                                        | 6/03     | 163.00        |  |                             |
|         |                 | 7/03                                        | 11/03    | 155.00        |  |                             |
|         |                 | 12/03                                       | 1/04     | 145.00        |  |                             |
|         |                 | 2/04                                        | 3/04     | 73.00         |  |                             |
|         |                 | 4/04-9/04                                   | onwards  | 142.00        |  |                             |
|         |                 | 10/04                                       |          | 190.00        |  |                             |
|         |                 | 11/04 to                                    | 3/05     | 192.00        |  |                             |
|         |                 | 4/05'to2/06'                                |          | 165.00        |  |                             |
|         |                 | 3/06' onwards                               |          | 166.70        |  |                             |
|         |                 | 04/06 to 03/07'                             |          | 161.00        |  |                             |
|         |                 | 07-08'                                      |          | 115.656       |  |                             |
|         |                 | 08-09                                       |          | 90.40         |  |                             |
|         |                 | 09-10                                       |          | 243.03        |  |                             |
|         |                 | 10-11                                       |          | 199.44        |  |                             |
|         |                 | 11-12                                       |          | 220.50        |  |                             |
|         |                 | 12-13                                       |          | 238.85        |  |                             |
|         |                 | 13-14                                       |          | 305.72        |  |                             |
|         |                 | 2014-15                                     |          | 318.45        |  |                             |
|         |                 | <b>2015-16</b>                              |          | <b>320.86</b> |  |                             |
|         |                 | <b>Un-utilised energy of APGPCL (St-I)</b>  |          |               |  |                             |
|         |                 | 23.12.91                                    | 22.12.92 | 94.00         |  |                             |
|         |                 | 23.12.92                                    | 22.6.93  | 98.00         |  |                             |
|         |                 | 23.6.93                                     | 1/98     | 108.00        |  |                             |
|         |                 | 1.2.98                                      | 3/98     | 87.00         |  |                             |
|         |                 | 1.4.98                                      | 31.12.98 | 108.00        |  |                             |
|         |                 | 1.1.99                                      | 12/02    | 87.00         |  |                             |
|         |                 | 1/03                                        | 3/03     | 145.00        |  |                             |
|         |                 | 4/03                                        | 6/03     | 121.00        |  |                             |
|         |                 | 7/03                                        | 11/03    | 139.00        |  |                             |
|         |                 | 12/03                                       | 1/04     | 175.00        |  |                             |
|         |                 | 2/04                                        | 3/04     | 222.00        |  |                             |
|         |                 | 4/04-9/04                                   | onwards  | 153.00        |  |                             |
|         |                 | 10/04                                       |          | 177.00        |  |                             |
|         |                 | 11/04                                       | 3/05     | 183.00        |  |                             |
|         |                 | 4/05' to 3/06'                              |          | 158.00        |  |                             |
|         |                 | 04/06 to 03/07'                             |          | 107.00        |  |                             |
|         |                 | 07-08'                                      |          | 117.10        |  |                             |
|         |                 | <b>Un-utilised energy of APGPCL (St-II)</b> |          |               |  |                             |
|         |                 | 1.5.97                                      | 10/97    | 250.00        |  |                             |
|         |                 | 1.11.97                                     | 1/98     | 280.00        |  |                             |

**9.8 RATES OF POWER PURCHASE**

| Sl.No   | Source                                                    | Period          |                 | Rate Ps/Kwh             | Remarks |        |           |        |        |
|---------|-----------------------------------------------------------|-----------------|-----------------|-------------------------|---------|--------|-----------|--------|--------|
|         |                                                           | From            | To              |                         |         |        |           |        |        |
| 1       | 2                                                         | 3               | 4               | 5                       |         |        |           |        |        |
| 9<br>10 | APGPCL(ST-I)                                              | 3/06'           |                 | 112.00                  |         |        |           |        |        |
|         |                                                           | 04/06 to 03/07' |                 | 114.00                  |         |        |           |        |        |
|         |                                                           | 07-08'          |                 | 104.30                  |         |        |           |        |        |
|         |                                                           | 2/01            | 3/01            | 121                     |         |        | 87 ps/kwh |        |        |
|         |                                                           | 2/01            | 3/01            | Demand ch. At Rs.75/KVA |         |        |           |        |        |
|         |                                                           | 4/01            | 3/01            | 121                     |         |        | 87 ps/kwh |        |        |
|         |                                                           | 06-07'          |                 | Demand ch. At Rs.75/KVA |         |        |           |        |        |
|         |                                                           | 07-08'          |                 | Demand ch. At Rs.75/KVA |         |        |           |        |        |
|         |                                                           | 9-Aug           |                 | 200.6                   |         |        |           |        |        |
|         |                                                           | 2/01            | 3/01            | 170                     |         |        | 86        |        |        |
|         | APGPCL(ST-II)                                             | 4/01            | 12/01           | 170                     |         |        | 86        |        |        |
|         |                                                           | 1/02            | 3/02            | 156                     |         |        | 86        |        |        |
|         |                                                           | 3.12.94         | onwards         | 154                     |         |        |           |        |        |
|         | EREB<br>NTPC(ER) PATNA                                    | 2/97            | Avg.Rate billed | 268.51                  | 4/99    | 151.91 | 4/00      | 187.82 |        |
|         |                                                           | 3/97            | Avg.Rate billed | 262.68                  | 5/99    | 164.72 | 5/00      | 173.61 |        |
|         |                                                           | 4/97            | Avg.Rate billed | 200.28                  | 6/99    | 212.46 | 6/00      | 172.23 |        |
|         |                                                           | 5/97            | Avg.Rate billed | 180.43                  | 7/99    | 195.31 | 7/00      | 177.84 |        |
|         |                                                           | 6/97            | Avg.Rate billed | 340.31                  | 8/99    | 219.24 | 8/00      | 198.50 |        |
|         |                                                           | 7/97            | Avg.Rate billed | 365.99                  | 9/99    | 180.45 | 9/00      | 225.49 |        |
|         |                                                           | 8/97            | Avg.Rate billed | 313.98                  | 10/99   | 217.99 | 10/00     | 175.48 |        |
|         |                                                           | 1/98            | 6/98            | 215.00                  | 11/99   | 219.16 | 11/00     | 171.48 |        |
|         |                                                           | 7/98            | 12/98           | 195.00                  | 12/99   | 187.10 | 12/00     | 160.16 |        |
|         |                                                           | 1/99            |                 | 191.27                  | 1/00    | 170.70 | 1/01      | 169.63 |        |
|         |                                                           | 2/99            |                 | 205.73                  | 2/00    | 161.98 | 2/01      | 190.47 |        |
|         |                                                           | 3/99            |                 | 159.11                  | 3/00    | 161.67 | 3/01      | 182.20 |        |
|         |                                                           |                 |                 |                         |         | 2/02   | 182.60    | 2/03   | 182.54 |
|         |                                                           |                 |                 |                         |         | 3/02   | 174.23    | 3/03   | 186.78 |
|         |                                                           | 4/03            | 3/04            |                         |         |        |           |        |        |
|         |                                                           | FSTPP           |                 | 668.33 Cr               |         |        |           |        |        |
|         |                                                           | KHSTPP          |                 | 477.88 cr.              | Fix.Ch  |        |           |        |        |
|         |                                                           | TSTPP           |                 | 644.99 Cr.              |         |        |           |        |        |
|         |                                                           | 4/04            | 8/04            |                         |         |        |           |        |        |
|         |                                                           | FSTPP           |                 | 668.33 Crs              |         |        |           |        |        |
|         |                                                           | KHSTPP          |                 | 477.88 Crs              |         | Fix.Ch |           |        |        |
|         |                                                           | TSTPP           |                 | 644.99 Crs              |         |        |           |        |        |
|         |                                                           | 9/04            | 10/04           |                         |         |        |           |        |        |
|         |                                                           | FSTPP           |                 | 581.26 Crs              |         |        |           |        |        |
|         |                                                           | KHSTPP          |                 | 477.88 Crs              |         | Fix.Ch |           |        |        |
|         |                                                           | TSTPP           |                 | 501.27 Crs              |         |        |           |        |        |
|         |                                                           | 11/04           | 3/05            | No supply               |         |        |           |        |        |
|         |                                                           | FSTPP           |                 | 581.26 Crs              |         |        |           |        |        |
|         |                                                           | KHSTPP          |                 | 477.88 Crs              |         | Fix.Ch |           |        |        |
|         |                                                           | TSTPP           |                 | 501.27 Crs              |         |        |           |        |        |
|         | ABT                                                       | 4/03            | 3/04            | 194.97                  |         |        |           |        |        |
|         |                                                           | 4/04            | 3/05            | No supply               |         |        |           |        |        |
| 11      | PGCIL(ER) Transmission Charges) for NTPC/ER power supply: |                 |                 |                         | ps/kwh  | ps/kwh |           | ps/kwh |        |
|         |                                                           | 2/97            | Avg.rate billed |                         | 18.22   | 4/99   | 9.23      | 4/01   | 13.91  |
|         |                                                           | 3/97            | Avg.rate billed |                         | 11.78   | 5/99   | 10.92     | 5/01   | 13.02  |
|         |                                                           | 4/97            | Avg.rate billed |                         | 10.57   | 6/99   | 12.46     | 6/01   | 14.08  |
|         |                                                           | 5/97            | Avg.rate billed |                         | 9.55    | 7/99   | 11.28     | 7/01   | 13.37  |
|         |                                                           | 6/97            | Avg.rate billed |                         | 10.65   | 8/99   | 11.74     | 8/01   | 13.11  |
|         |                                                           | 7/97            | Avg.rate billed |                         | 12.13   | 9/99   | 10.97     | 9/01   | 13.33  |
|         |                                                           | 8/97            | Avg.rate billed |                         | 12.32   | 10/99  | 13.26     | 10/01  | 13.19  |
|         |                                                           | 1/98            | Avg.rate billed |                         | 9.21    | 11/99  | 13.53     | 11/01  | 13.88  |
|         |                                                           | 2/98            | Avg.rate billed |                         | 10.06   | 12/99  | 15.63     | 12/01  | 12.76  |
|         |                                                           | 3/98            | Avg.rate billed |                         | 8.82    | 1/00   | 14.22     | 1/02   | 12.51  |
|         |                                                           | 4/98            | Avg.rate billed |                         | 9.52    | 2/00   | 13.81     | 2/02   | 15.28  |
|         |                                                           | 5/98            | Avg.rate billed |                         | 12.68   | 3/00   | 13.37     | 3/02   | 14.51  |
|         |                                                           | 6/98            | Avg.rate billed |                         | 12.74   |        |           |        |        |
|         |                                                           | 7/98            | Avg.rate billed |                         | 11.85   | 4/00   | 15.92     | 4/02   | 14.68  |

**9.8 RATES OF POWER PURCHASE**

| Sl.No. | Source                                                       | Period  |                 | Rate Ps/Kwh  | Remarks               |       |               |          |          |
|--------|--------------------------------------------------------------|---------|-----------------|--------------|-----------------------|-------|---------------|----------|----------|
|        |                                                              | From    | To              |              |                       |       |               |          |          |
| 1      | 2                                                            | 3       | 4               | 5            |                       |       |               |          |          |
|        |                                                              | 8/98    | Avg.rate billed | 11.47        | 5/00                  | 13.52 |               | 5/02     | 14.35    |
|        |                                                              | 3/99    | Avg.rate billed | 9.71         | 12/00                 | 12.80 |               | 12/02    | 11.83    |
|        |                                                              |         |                 |              | 1/01                  | 14.19 |               | 1/03     | 11.28    |
|        |                                                              |         |                 |              | 2/01                  | 16.04 |               | 2/03     | 14.39    |
|        |                                                              |         |                 |              | 3/01                  | 14.21 |               | 3/03     | 16.96    |
|        |                                                              |         |                 |              | 4/03                  | 3/04  |               |          | 18.3     |
|        |                                                              |         |                 |              | 4/04                  | 4/05  | As per P.Cost |          | 10       |
| 12     | GRIDCO Wh.Charges for NTPC/ER power supply                   | 97-98   | 2001-02         | 17.5         |                       |       |               |          |          |
| 13     | GRIDCO Energy charges:                                       |         |                 | ps/kwh       |                       |       |               |          |          |
|        |                                                              | 10/99   | onwards         | 205          |                       |       |               |          |          |
|        |                                                              | 10/2k   | onwards         | 228          |                       |       |               |          |          |
|        |                                                              |         |                 | ps/kwh       |                       |       |               |          |          |
|        |                                                              | 11/00   | 3/01            | 228          |                       |       |               |          |          |
|        |                                                              | 4/01    | 3/02            | 228          |                       |       |               |          |          |
|        |                                                              |         |                 | ps/kwh       |                       |       |               |          |          |
| 14     | GEB                                                          | 3/99    |                 | 225          |                       |       |               |          |          |
| 15     | I. TNEB (WHEELING OF MAPS ENERGY)                            |         |                 | ps/kwh       |                       |       |               |          |          |
|        |                                                              | 91-92   |                 | 4.86         |                       |       |               |          |          |
|        |                                                              | 92-93   |                 | 3.83         |                       |       |               |          |          |
|        |                                                              | 93-94   |                 | 4.08         |                       |       |               |          |          |
|        |                                                              | 94-95   |                 | 3.39         |                       |       |               |          |          |
|        |                                                              | 95-96   |                 | 4.54         |                       |       |               |          |          |
|        |                                                              | 96-97   |                 | 4.58         |                       |       |               |          |          |
|        |                                                              | 97-98   |                 | 4.77         |                       |       |               |          |          |
|        |                                                              | 98-99   |                 | 3.27         |                       |       |               |          |          |
|        |                                                              | 99-2K   |                 | 2.81         |                       |       |               |          |          |
|        |                                                              | 2000-01 |                 | 2.80         |                       |       |               |          |          |
|        |                                                              | 2001-02 |                 | 6.15         |                       |       |               |          |          |
|        | II. Compensation drawal of energy at frequency below 49.5 Hz |         |                 |              |                       |       |               |          |          |
|        |                                                              | 4/92    | 7/92            | 112 ps minus |                       |       |               |          |          |
|        |                                                              | 12/92   | 2/93            | pooled cost  |                       |       |               |          |          |
|        |                                                              |         |                 | of CGS       |                       |       |               |          |          |
|        | PSEB                                                         | 4/00    | 6/00            | 230          |                       |       |               |          |          |
|        |                                                              | 4/01    | 9/01            | 280          | (CSEB)                |       |               |          |          |
| 16     | PGCIL(SR)                                                    | 4/03    | 3/04            | 44.56        |                       |       |               |          |          |
| IPPs   |                                                              | 3/04    | 4/05            | 42.00        | (As per p.cost Provl) |       |               |          |          |
| 17     | M/s.Lanco Kondaply                                           | 2000-01 |                 | 433.00       |                       |       |               |          |          |
|        |                                                              | 2001-02 |                 | 343.00       |                       |       |               |          |          |
|        |                                                              | 2002-03 |                 | 231.00       |                       |       |               |          |          |
|        |                                                              | 2003-04 |                 | 253.00       |                       |       |               |          |          |
|        |                                                              | 2004-05 | (Provl)         | 256.00       |                       |       |               |          |          |
|        |                                                              | 2005-06 | (Provl)         | 252.89       |                       |       |               |          |          |
|        |                                                              | 2006-07 |                 | 331.30       |                       |       |               |          |          |
|        |                                                              | 2007-08 |                 | 362.48       |                       |       |               |          |          |
|        |                                                              | 2008-09 |                 | 548.50       |                       |       |               |          |          |
|        |                                                              | 2009-10 |                 | 311.59       |                       |       |               |          |          |
|        |                                                              | 2010-11 |                 | 332.02       |                       |       |               |          |          |
|        |                                                              | 2011-12 |                 | 362.07       |                       |       |               |          |          |
|        |                                                              | 2012-13 |                 | 442.52       |                       |       |               |          |          |
|        |                                                              | 2013-14 |                 | 382.85       |                       |       |               |          |          |
|        |                                                              | 2014-15 |                 | 870.45       |                       |       |               |          |          |
|        |                                                              | 2015-16 |                 | 652.96       |                       |       |               |          |          |
| 18     | M/s.GVK Industries                                           | 1996-97 |                 | 252.00       |                       |       |               |          |          |
|        |                                                              | 1997-98 |                 | 227.00       |                       |       |               |          |          |
|        |                                                              | 1998-99 |                 | 220.00       |                       |       |               |          |          |
|        |                                                              | 1999-2k |                 | 206.60       |                       |       |               |          |          |
|        |                                                              | 2000-01 |                 | 207.60       |                       |       |               |          |          |
|        |                                                              | 2001-02 |                 | 223.00       |                       |       |               |          |          |
|        |                                                              | 2002-03 |                 | 213.00       |                       |       |               |          |          |
|        |                                                              | 2003-04 |                 | 224.00       |                       |       |               |          |          |
|        |                                                              | 2004-05 | (Provl)         | 228.00       |                       |       |               |          |          |
|        |                                                              | 2005-06 | (Provl)         | 235.24       |                       |       |               |          |          |
|        |                                                              | 2006-07 |                 | 250.69       |                       |       |               |          |          |
|        |                                                              | 2007-08 |                 | 249.72       |                       |       |               |          |          |
|        |                                                              | 2008-09 |                 | 282.20       |                       |       |               |          |          |
|        |                                                              | 2009-10 |                 | 204.81       |                       |       |               |          |          |
|        |                                                              | 2010-11 |                 | 263.42       |                       |       |               |          |          |
|        |                                                              | 2011-12 |                 | 284.33       |                       |       |               |          |          |
|        |                                                              | 2012-13 |                 | 318.33       |                       |       |               |          |          |
|        |                                                              | 2013-14 |                 | 328.61       |                       |       |               |          |          |
|        |                                                              | 2014-15 |                 | 458.45       |                       |       |               |          |          |
|        |                                                              | 2015-16 |                 | 524.18       |                       |       |               |          |          |
| 19     | M/s.SPG Ltd                                                  | 1997-98 |                 | 267.90       |                       |       |               |          |          |
|        |                                                              | 1998-99 |                 | 218.00       |                       |       |               |          |          |
|        |                                                              | 1999-2k |                 | 202.30       |                       |       |               |          |          |
|        |                                                              | 2000-01 |                 | 206.60       |                       |       |               |          |          |
|        |                                                              | 2001-02 |                 | 215.00       |                       |       |               |          |          |
|        |                                                              | 2002-03 |                 | 241.00       |                       |       |               |          |          |
|        |                                                              | 2003-04 |                 | 252.00       |                       |       |               |          |          |
|        |                                                              | 2004-05 | (Provl)         | 220.00       |                       |       |               |          |          |
|        |                                                              | 2005-06 | (Provl)         | 223.91       |                       |       |               |          |          |
|        |                                                              | 2006-07 |                 | 252.30       |                       |       |               |          |          |
|        |                                                              | 2007-08 |                 | 221.25       |                       |       |               |          |          |
|        |                                                              | 2008-09 |                 | 312.40       |                       |       |               |          |          |
|        |                                                              | 2009-10 |                 | 217.21       |                       |       |               |          |          |
|        |                                                              | 2010-11 |                 | 244.32       |                       |       |               |          |          |
|        |                                                              | 2011-12 |                 | 313.37       |                       |       |               |          |          |
|        |                                                              | 2012-13 |                 | 318.59       |                       |       |               |          |          |
|        |                                                              | 2013-14 |                 | 345.77       |                       |       |               |          |          |
|        |                                                              | 2014-15 |                 | 574.46       |                       |       |               |          |          |
|        |                                                              | 2015-16 |                 | 533.75       |                       |       |               |          |          |
|        |                                                              |         |                 |              |                       |       |               | 244.3162 | 263.4169 |

9.8 RATES OF POWER PURCHASE

| Sl.No | Source                      | Period       |         | Rate Ps/Kwh | Remarks                 |
|-------|-----------------------------|--------------|---------|-------------|-------------------------|
|       |                             | From         | To      |             |                         |
| 1     | 2                           | 3            | 4       | 5           |                         |
| 20    | M/s.Reliance Energy         | 2004-05      |         | 238.00      |                         |
|       |                             | 2005-06      |         | 300.00      |                         |
|       |                             | 2006-07      |         | 283.96      |                         |
|       |                             | 2007-08      |         | 278.40      |                         |
|       |                             | 2008-09      |         | 336.10      |                         |
|       |                             | 2009-10      |         | 256.04      |                         |
|       |                             | 2010-11      |         | 294.78      |                         |
|       |                             | 2011-12      |         | 334.24      |                         |
|       |                             | 2012-13      |         | 311.80      |                         |
|       |                             | 2013-14      |         | 264.54      |                         |
|       |                             | 2014-15      |         | 284.28      |                         |
| 21    | M/s.Srivathsa               | 2004-05      |         | 249.00      |                         |
|       |                             | 2005-06      |         | 280.43      |                         |
|       |                             | 2006-07      |         | 269.50      |                         |
|       |                             | 2007-08      |         | 256.55      | (Provisional)           |
|       |                             | 2008-09      |         | 244.30      |                         |
|       |                             | 2009-10      |         | 239.57      |                         |
|       |                             | 2010-11      |         | 352.65      |                         |
|       |                             | 2011-12      |         | 348.60      |                         |
|       |                             | 2012-13      |         | 365.54      | 365.54                  |
|       |                             | 2013-14      |         | 331.04      |                         |
|       |                             | 2014-15      |         | 420.62      |                         |
|       |                             | 2015-16      |         | 377.98      |                         |
| 22    | M/S LVS                     | 2005-06      |         | 123.10      |                         |
|       |                             | 2006-07      |         | 109.70      | Only Fixed Cost is Paid |
|       |                             | 2007-08      |         | 109.70      | Only Fixed Cost is Paid |
|       |                             | 2008-09      |         | 759.00      |                         |
|       |                             | 2009-10      |         | 841.45      |                         |
|       |                             | 2010-11      |         | 1023.96     |                         |
|       |                             | 2011-12      |         | 0.00        |                         |
|       |                             | 2012-13      |         | 0.00        |                         |
| 22    | M/s.VSPL                    | 1997-98      |         | 197.50      |                         |
|       |                             | 1998-99      |         | 197.50      |                         |
|       |                             | 1999-2k      |         | 197.50      |                         |
|       |                             | 2000-01      |         | 197.50      |                         |
|       |                             | 2001-02      |         | 197.50      |                         |
|       |                             | 2002-03      |         | 197.50      | (upto 12/02)            |
|       |                             | 6/03 2003-04 |         | 100.00      |                         |
| 23    | M/s.VSPL                    | 2004-05      |         | 176.00      |                         |
|       |                             | 2005-06      |         | 176.00      |                         |
|       |                             | 2006-07      |         | 200.53      |                         |
| 24    | M/s.Navabharat Ferro Alloys | 1998-99      |         | 212.50      |                         |
|       |                             | 1999-2k      |         | 212.50      |                         |
|       |                             | 2000-01      |         | 212.50      |                         |
|       |                             | 2001-02      |         | 2.08        |                         |
|       |                             | 2002-03      |         | 2.08        |                         |
|       |                             | 2003-04      |         | 176.00      |                         |
|       |                             | 2004-05      |         | 176.00      |                         |
|       |                             | 2005-06      |         | 176.00      |                         |
| 25    | M/s.RCL                     | 1998-99      |         | 204.00      |                         |
|       |                             | 1999-2k      |         | 254.00      |                         |
|       |                             | 2000-01      |         | 254.00      |                         |
|       |                             | 2001-02      |         | 253.00      |                         |
|       |                             | 2002-03      |         | 252.00      |                         |
|       |                             | 2003-04      |         | 246.00      |                         |
|       |                             | 2004-05      |         | 224.00      |                         |
|       |                             | 2005-06      |         | 224.00      |                         |
| 26    | M/s.Active Power            | 2000-01      |         | 260.00      |                         |
|       |                             | 2001-02      |         | 316.00      |                         |
|       |                             | 2002-03      |         | 332.00      |                         |
|       |                             | 2003-04      |         | 348.00      |                         |
|       |                             | 2004-05      |         |             |                         |
|       |                             | 2005-06      |         | 176.68      |                         |
|       |                             | 2006-07      |         | 170.90      |                         |
|       |                             | 2007-08      |         | 156.48      |                         |
| 27    | M/s.Deccan Sugars           | 1997-98      |         | 225.00      |                         |
|       |                             | 1998-99      |         | 236.00      |                         |
|       |                             | 1999-2k      |         | 247.00      |                         |
|       |                             | 4/00-12/00   |         | 259.00      |                         |
|       |                             | 1/01-3/01    |         | 301.00      |                         |
|       |                             | 2001-02      |         | 301.00      |                         |
|       |                             | 2002-03      |         | 332.00      |                         |
|       |                             | 2003-04      |         | 348.00      |                         |
| 27    | M/s.Deccan Sugars           | 2004-05      | (Provl) |             |                         |
|       |                             | 2005-06      | (Provl) | 301.56      |                         |
|       |                             | 2006-07      |         | 266.00      |                         |
|       |                             | 2007-08      |         | 263.00      |                         |
| 28    | P.T.C                       | 2002-03      |         | 190.00      |                         |
|       |                             | 2003-04      | Avg.    | 206.00      |                         |
|       |                             | 2004-05      | Avg.    | 234.00      |                         |
|       |                             | 2005-06      |         | 343.33      |                         |
|       |                             | 2006-07      | Avg.    | 566.40      |                         |
|       |                             | 2007-08      |         | 533.50      |                         |
|       |                             | 2008-09      |         | 713.31      |                         |
|       |                             | 2009-10      |         | 608.31      |                         |
|       |                             | 2010-11      |         | 462.68      |                         |
|       |                             | 2011-12      |         | 352.19      |                         |

9.8 RATES OF POWER PURCHASE

| Sl.No | Source                           | Period    |         | Rate Ps/Kwh | Remarks                          |
|-------|----------------------------------|-----------|---------|-------------|----------------------------------|
|       |                                  | From      | To      |             |                                  |
| 1     | 2                                | 3         | 4       | 5           |                                  |
| 29    | N.V.V.N.L.                       | 2012-13   |         | 531.14      | These are all average rates only |
|       |                                  | 2013-14   |         | 589.54      |                                  |
|       |                                  | 2014-15   |         | 555.42      |                                  |
|       |                                  | 2015-16   |         | 479.37      |                                  |
|       |                                  | 2004-05   |         | 255.00      |                                  |
|       |                                  | 2005-06   |         | 324.00      |                                  |
|       |                                  | 2006-07   | Avg.    | 399.90      |                                  |
|       |                                  | 2007-08   | Avg.    | 641.44      |                                  |
|       |                                  | 2008-09   |         | 690.88      |                                  |
|       |                                  | 2009-10   |         | 466.51      |                                  |
|       |                                  | 2010-11   |         | 345.04      |                                  |
|       |                                  | 2011-12   |         | 401.22      |                                  |
|       |                                  | 2012-13   |         | 463.52      |                                  |
|       |                                  | 2013-14   |         | 584.88      |                                  |
|       |                                  | 2014-15   |         | 501.93      |                                  |
| 30    | M/s.TPTCL                        | 2015-16   |         | 466.00      |                                  |
|       |                                  | 2007-08   | Avg.    | 622.32      |                                  |
|       |                                  | 2008-09   |         | 743.60      |                                  |
|       |                                  | 2009-10   |         | 726.19      |                                  |
|       |                                  | 2010-11   |         | 531.14      |                                  |
|       |                                  | 2011-12   |         | 459.59      |                                  |
|       |                                  | 2012-13   |         | 501.98      |                                  |
|       |                                  | 2013-14   |         | 571.58      |                                  |
|       |                                  | 2014-15   |         | 430.37      |                                  |
|       |                                  | 2015-16   |         | 547.00      |                                  |
| 31    | M/s.RETL                         | 2007-08   |         | 538.24      |                                  |
|       |                                  | 2008-09   |         | 454.00      |                                  |
|       |                                  | 2009-10   |         | 594.76      |                                  |
|       |                                  | 2010-11   |         | 589.27      |                                  |
|       |                                  | 2011-12   |         | 436.23      |                                  |
|       |                                  | 2012-13   |         | 496.51      |                                  |
|       |                                  | 2013-14   |         | 543.97      |                                  |
|       |                                  | 2014-15   |         | 551.40      |                                  |
|       |                                  | 2015-16   |         | 545.00      |                                  |
|       |                                  | 2007-08   |         | 547.06      |                                  |
| 32    | M/s.JSW PTC Ltd                  | 2008-09   |         | 776.00      |                                  |
|       |                                  | 2009-10   |         | 551.70      |                                  |
|       |                                  | 2010-11   |         | 512.75      |                                  |
|       |                                  | 2011-12   |         | 325.86      |                                  |
|       |                                  | 2012-13   |         | 552.27      |                                  |
|       |                                  | 2013-14   |         | 617.75      |                                  |
|       |                                  | 2014-15   |         | 599.01      |                                  |
|       |                                  | 2015-16   |         | 609.00      |                                  |
|       |                                  | 2007-08   |         | 526.36      |                                  |
|       |                                  | 2008-09   |         | 792.52      |                                  |
| 33    | M/s.Adani Enterprises Ltd        | 2009-10   |         | 450.00      |                                  |
|       |                                  | 2010-11   |         | 0.00        |                                  |
|       |                                  | 2011-12   |         | 0.00        |                                  |
|       |                                  | 2012-13   |         | 460.89      |                                  |
|       |                                  | 2013-14   |         | 478.49      |                                  |
|       |                                  | 2014-15   |         | 379.05      |                                  |
|       |                                  | 2015-16   |         | 433.00      |                                  |
|       |                                  | 2007-08   |         | 561.44      |                                  |
|       |                                  | 2008-09   |         | 818.02      |                                  |
|       |                                  | 2009-10   |         | 767.08      |                                  |
| 34    | M/s.LEUL(NETSL)                  | 2010-11   |         | 504.77      |                                  |
|       |                                  | 2011-12   |         | 534.82      |                                  |
|       |                                  | 2012-13   |         | 538.18      |                                  |
|       |                                  | 2013-14   |         | 560.45      |                                  |
|       |                                  | 2014-15   |         | 535.14      |                                  |
|       |                                  | 2007-08   |         | 670.00      |                                  |
|       |                                  | 2008-09   |         | 0.00        |                                  |
|       |                                  | 2009-10   |         | 0.00        |                                  |
|       |                                  | 2007-08   |         | 340.00      |                                  |
|       |                                  | 2008-09   |         | 375.00      |                                  |
| 35    | M/s.VISA Power Ltd               | 2009-10   |         | 535.54      |                                  |
|       |                                  | 2010-11   |         | 425.00      |                                  |
|       |                                  | 2011-12   |         | 387.82      |                                  |
|       |                                  | 2012-13   |         | 0.00        |                                  |
|       |                                  | 2013-14   |         | 600.53      |                                  |
|       |                                  | 2014-15   |         | 579.25      |                                  |
|       |                                  | 2007-08   |         | 714.00      |                                  |
|       |                                  | 2007-08   |         | 709.00      |                                  |
|       |                                  | 2007-08   |         | 325.00      |                                  |
|       |                                  | 2008-09   |         | 325.00      |                                  |
| 36    | M/s.Sitapuram Power Projects Ltd | 2009-10   |         | 0.00        |                                  |
|       |                                  | 2010-11   |         | 437.50      |                                  |
|       |                                  | 2011-12   |         | 452.29      |                                  |
|       |                                  | 2012-13   |         | 0.00        |                                  |
|       |                                  | 2007-08   |         | 225.00      |                                  |
|       |                                  | 1994-95   |         | 2.36        |                                  |
|       |                                  | 1995-96   |         | 2.48        |                                  |
|       |                                  | 1996-97   |         | 2.60        |                                  |
|       |                                  | 1997-98   |         | 2.73        |                                  |
|       |                                  | 1998-99   |         | 2.87        |                                  |
| 37    | M/s.Kalyani power Ltd            | 1999-2k   |         | 3.01        |                                  |
|       |                                  | 2000-01   |         | 3.16        |                                  |
|       |                                  | 2001-02   |         | 3.32        |                                  |
|       |                                  | 2002-03   |         | 3.48        |                                  |
|       |                                  | 2003-04   |         |             |                                  |
|       |                                  | 2004-05   | (Provi) |             |                                  |
|       |                                  | 2005-06   | (Provi) | 321         |                                  |
|       |                                  | 2006-07   |         | 293         |                                  |
|       |                                  | 2007-08   |         | 296         |                                  |
|       |                                  | 2008-09   |         | 313         |                                  |
| 38    | M/s.Patni Power Projects         | 2009-10   |         | 353         |                                  |
|       |                                  | 2010-11   |         | 344.93      |                                  |
|       |                                  | 2011 - 12 |         | 344.29      |                                  |
|       |                                  | 2012-13   |         | 762.27      |                                  |
|       |                                  | 2013-14   |         | 412.47      |                                  |
|       |                                  | 2014-15   |         | 438.73      |                                  |
|       |                                  | 2015-16   |         | 468.00      |                                  |
|       |                                  |           |         |             |                                  |
|       |                                  |           |         |             |                                  |
|       |                                  |           |         |             |                                  |
| 39    | M/s.Navabharat Ventures Ltd      |           |         |             |                                  |
|       |                                  |           |         |             |                                  |
|       |                                  |           |         |             |                                  |
|       |                                  |           |         |             |                                  |
|       |                                  |           |         |             |                                  |
|       |                                  |           |         |             |                                  |
|       |                                  |           |         |             |                                  |
|       |                                  |           |         |             |                                  |
|       |                                  |           |         |             |                                  |
|       |                                  |           |         |             |                                  |
| 40    | Non-conventional                 |           |         |             |                                  |
|       |                                  |           |         |             |                                  |
|       |                                  |           |         |             |                                  |
|       |                                  |           |         |             |                                  |
|       |                                  |           |         |             |                                  |
|       |                                  |           |         |             |                                  |
|       |                                  |           |         |             |                                  |
|       |                                  |           |         |             |                                  |
|       |                                  |           |         |             |                                  |
|       |                                  |           |         |             |                                  |
| NCE   |                                  |           |         |             |                                  |
|       |                                  |           |         |             |                                  |
|       |                                  |           |         |             |                                  |
|       |                                  |           |         |             |                                  |
|       |                                  |           |         |             |                                  |
|       |                                  |           |         |             |                                  |
|       |                                  |           |         |             |                                  |
|       |                                  |           |         |             |                                  |
|       |                                  |           |         |             |                                  |
|       |                                  |           |         |             |                                  |

### 9.8 RATES OF POWER PURCHASE

| SI.No | Source                               | Period  |    | Rate Ps/Kwh |
|-------|--------------------------------------|---------|----|-------------|
|       |                                      | From    | To |             |
| 1     | 2                                    | 3       | 4  | 5           |
| 41    | Vijayanagar sugars Pvt Ltd           | 2014-15 |    | 629.00      |
| 42    | Core green Sugar & Fuels Pvt Ltd     | 2014-15 |    | 628.00      |
| 43    | Jaypee Balaji Cement                 | 2014-15 |    | 545.00      |
|       |                                      | 2015-16 |    | 545.00      |
| 44    | Sri Sarvaraya Sugars Ltd             | 2014-15 |    | 545.00      |
|       |                                      | 2015-16 |    | 545.00      |
| 45    | Manikram Power Ltd                   | 2014-15 |    | 580.00      |
|       |                                      | 2015-16 |    | 361.00      |
| 46    | RVK Energy Ltd                       | 2014-15 |    | 552.00      |
| 47    | Indian Energy Exchange               | 2014-15 |    | 608.00      |
|       |                                      | 2015-16 |    | 474.00      |
| 48    | Madhucon Sugars                      | 2014-15 |    | 549.00      |
| 49    | Ramco Cements Ltd                    | 2014-15 |    | 540.00      |
|       |                                      | 2015-16 |    | 545.00      |
| 50    | GMR Energy trading Ltd               | 2014-15 |    | 516.00      |
|       |                                      | 2015-16 |    | 452.00      |
| 51    | Venkatarama Power Ltd(Trading)       | 2014-15 |    | 371.00      |
|       |                                      | 2015-16 |    | 545.00      |
| 52    | Ultratech Cement                     | 2014-15 |    | 548.00      |
|       |                                      | 2015-16 |    | 544.00      |
| 53    | Knowledge Infrastructure Systems Ltd | 2014-15 |    | 491.00      |
|       |                                      | 2015-16 |    | 486.00      |
| 54    | Global energy Ltd (Trading)          | 2014-15 |    | 547.00      |
| 55    | Kusa Lava Power Ltd                  | 2014-15 |    | 538.00      |
| 56    | NSL Krishna veni sugars              | 2014-15 |    | 554.00      |
| 57    | NTPC Aravali power, Delhi            | 2014-15 |    | 582.00      |
|       |                                      | 2015-16 |    | 569.00      |
| 58    | Laxmi Tulasi Agro Paper Pvt Ltd      | 2014-15 |    | 553.00      |
| 59    | Steel Exchange India Ltd             | 2014-15 |    | 545.00      |
|       |                                      | 2015-16 |    | 545.00      |
| 60    | Bharathi cements Ltd                 | 2014-15 |    | 545.00      |
|       |                                      | 2015-16 |    | 545.00      |
| 61    | KCP Limited                          | 2014-15 |    | 500.00      |
|       |                                      | 2015-16 |    | 535.00      |
| 62    | Sri Sai sindhu Industries            | 2014-15 |    | 554.00      |
|       |                                      | 2015-16 |    | 559.00      |
| 63    | Mittal Processors Ltd                | 2014-15 |    | 565.00      |
|       |                                      | 2015-16 |    | 568.00      |
| 64    | Shree cements                        | 2014-15 |    | 367.00      |
|       |                                      | 2015-16 |    | 406.00      |
| 65    | Instinct Infra & Power Ltd           | 2014-15 |    | 382.00      |
|       |                                      | 2015-16 |    | 447.00      |

### 9.8 RATES OF POWER PURCHASE

| Sl.No | Source                               | Period  |    | Rate Ps/Kwh |
|-------|--------------------------------------|---------|----|-------------|
|       |                                      | From    | To |             |
| 1     | 2                                    | 3       | 4  | 5           |
| 66    | My Home Industries Ltd               | 2014-15 |    | 563.00      |
| 67    | ITC Ltd                              | 2014-15 |    | 244.00      |
|       |                                      | 2015-16 |    | 265.00      |
| 68    | Jindal Power                         | 2014-15 |    | 408.00      |
| 69    | Sarda Metal and Alloys Ltd           | 2014-15 |    | 547.00      |
|       |                                      | 2015-16 |    | 545.00      |
| 70    | Anrak Aluminium Ltd                  | 2014-15 |    | 545.00      |
|       |                                      | 2015-16 |    | 544.00      |
| 71    | HCL Agro Industries                  | 2014-15 |    | 545.00      |
| 72    | Shri Girija Alloy & Power Ltd        | 2014-15 |    | 548.00      |
|       |                                      | 2015-16 |    | 543.00      |
| 73    | BMM cements                          | 2014-15 |    | 559.00      |
|       |                                      | 2015-16 |    | 545.00      |
| 74    | Blue ocean Bio tech Ltd              | 2014-15 |    | 536.00      |
|       |                                      | 2015-16 |    | 534.00      |
| 75    | NSL Sugars Ltd                       | 2014-15 |    | 588.00      |
|       |                                      | 2015-16 |    | 616         |
| 76    | National Energy Trading Services Ltd | 2015-16 |    | 537.00      |
| 77    | Thermal Powertech Corporation India  | 2015-16 |    | 592.00      |
| 78    | Rain CII Corbon Vizag Ltd            | 2015-16 |    | 545.00      |
| 79    | Sree Rayalaseema Hi-Strength Hyp Ltd | 2015-16 |    | 545.00      |
| 80    | GMR Rajahmundry Eng Ltd(GREL)        | 2015-16 |    | 479.00      |
| 81    | Greenko Energies Pvt Ltd             | 2015-16 |    | 545.00      |
| 82    | KSK Mahanadi Power Co Ltd            | 2015-16 |    | 418.00      |

### 9.9 REVENUE FROM SALE OF POWER

(Rs. in Crores)

| Financial Year | L.T.CATEGORY |         |         |       |        |        |        |      | Total L.T | Total H.T. | Rebate to New Indust | Others(Inter state and UI) | TOTAL REVENUE |
|----------------|--------------|---------|---------|-------|--------|--------|--------|------|-----------|------------|----------------------|----------------------------|---------------|
|                | I            | II      | III     | IV    | V      | VI     | VII    | VIII |           |            |                      |                            |               |
| 1983-84        | 45.99        | 28.36   | 31.37   | 0.26  | 14.18  | 3.82   | 1.34   | 0.21 | 125.53    | 253.58     | --                   |                            | 379.11        |
| 1984-85        | 48.19        | 30.31   | 36.08   | 0.29  | 14.42  | 4.13   | 1.56   | 0.20 | 135.18    | 359.74     | --                   |                            | 494.92        |
| 1985-86        | 56.61        | 32.73   | 39.96   | 0.35  | 14.32  | 4.53   | 1.71   | 0.23 | 150.44    | 391.26     | --                   |                            | 541.70        |
| 1986-87        | 66.02        | 36.39   | 41.50   | 0.40  | 16.31  | 5.01   | 1.70   | 0.35 | 167.68    | 412.86     | --                   |                            | 580.54        |
| 1987-88        | 80.26        | 42.63   | 54.63   | 0.39  | 18.78  | 5.58   | 2.33   | 0.34 | 204.94    | 495.59     | --                   |                            | 700.53        |
| 1988-89        | 94.97        | 47.77   | 63.90   | 0.44  | 19.08  | 6.18   | 2.94   | 0.34 | 235.62    | 571.59     | --                   |                            | 807.21        |
| 1989-90        | 120.77       | 57.61   | 84.79   | 0.54  | 22.33  | 7.58   | 3.80   | 0.78 | 298.20    | 685.01     | 12.29                |                            | 970.92        |
| 1990-91        | 151.38       | 68.97   | 104.86  | 0.95  | 18.05  | 8.52   | 4.40   | 0.41 | 357.54    | 864.30     | 11.64                |                            | 1210.20       |
| 1991-92        | 190.51       | 85.55   | 131.88  | 1.22  | 22.84  | 9.66   | 5.30   | 0.68 | 447.64    | 1054.66    | 8.76                 |                            | 1493.54       |
| 1992-93        | 242.24       | 110.28  | 181.80  | 1.52  | 63.98  | 10.85  | 6.38   | 1.62 | 618.67    | 1218.86    | 9.75                 |                            | 1827.78       |
| 1993-94        | 284.51       | 128.16  | 220.68  | 1.75  | 57.78  | 11.38  | 8.56   | 1.20 | 714.02    | 1409.47    | 18.33                |                            | 2105.16       |
| 1994-95        | 294.63       | 131.72  | 241.03  | 1.83  | 57.57  | 11.61  | 8.93   | 1.22 | 748.54    | 1412.30    | 15.51                |                            | 2145.33       |
| 1995-96        | 352.12       | 163.12  | 253.10  | 2.05  | 32.02  | 13.85  | 10.22  | 1.27 | 827.75    | 1474.92    | 14.34                |                            | 2288.33       |
| 1996-97        | 544.83       | 260.59  | 365.66  | 2.97  | 105.89 | 24.00  | 14.74  | 1.90 | 1320.58   | 1995.14    | 20.32                |                            | 3295.40       |
| 1997-98        | 749.02       | 342.07  | 449.69  | 3.48  | 151.08 | 34.75  | 18.41  | 2.05 | 1750.55   | 2293.79    | 13.91                |                            | 4030.43       |
| 1998-99        | 826.46       | 403.79  | 496.59  | 3.90  | 153.81 | 43.50  | 22.53  | 2.56 | 1953.14   | 2225.43    | 19.49                |                            | 4159.08       |
| 1999-2K        | 908.82       | 505.87  | 568.26  | 3.70  | 154.98 | 47.84  | 29.49  | 3.77 | 2222.73   | 2292.32    | 20.37                |                            | 4494.68       |
| 2000-01        | 1278.43      | 690.71  | 689.74  | 4.97  | 235.60 | 86.28  | 34.52  | 4.40 | 3024.65   | 2567.13    | 22.72                |                            | 5569.06       |
| 2001-02        | 1393.61      | 821.08  | 724.17  | 5.47  | 208.22 | 102.80 | 33.17  | 4.45 | 3292.97   | 2577.16    | 26.28                |                            | 5843.85       |
| 2002-03        | 1617.28      | 901.87  | 758.73  | 5.99  | 818.37 | 153.70 | 35.29  | 4.08 | 4295.31   | 3101.65    | 3.74                 |                            | 7393.22       |
| 2003-04        | 1664.75      | 987.68  | 787.27  | 7.02  | 416.94 | 195.70 | 39.25  | 5.18 | 4103.79   | 3553.40    | 3.02                 |                            | 7654.17       |
| 2004-05        | 1827.21      | 1061.94 | 851.64  | 7.58  | 402.29 | 202.17 | 42.84  | 6.24 | 4401.91   | 4169.27    |                      |                            | 8571.18       |
| 2005-06        | 1909.83      | 1157.39 | 862.43  | 7.93  | 13.52  | 202.99 | 45.72  | 6.18 | 4205.99   | 4669.27    |                      |                            | 8875.26       |
| 2006-07        | 2164.55      | 1328.09 | 991.01  | 8.38  | 25.90  | 222.96 | 50.04  | 6.27 | 4797.20   | 5182.54    |                      |                            | 9979.74       |
| 2007-08        | 2511.14      | 1576.17 | 1053.73 | 9.33  | 20.05  | 226.78 | 55.16  | 7.44 | 5459.80   | 6070.22    |                      | 420.36                     | 11950.38      |
| 2008-09        | 2755.64      | 1742.62 | 1054.51 | 8.97  | 21.38  | 303.47 | 58.19  | 5.20 | 5949.98   | 6756.97    |                      | 835.30                     | 13542.25      |
| 2009-10        | 3425.79      | 2020.05 | 1156.75 | 10.96 | 19.26  | 359.71 | 65.52  | 5.37 | 7063.41   | 7930.76    |                      | 526.78                     | 15520.95      |
| 2010-11        | 3666.01      | 2257.12 | 1267.68 | 9.95  | 11.56  | 323.91 | 68.43  | 4.07 | 7608.73   | 9338.88    |                      |                            | 16947.61      |
| 2011-12        | 4070.61      | 2487.39 | 1612.61 | 10.29 | 20.03  | 420.95 | 78.69  | 4.62 | 8705.19   | 10883.93   |                      |                            | 19589.12      |
| 2012-13        | 4725.00      | 2919.48 | 1836.79 | 13.52 | 58.32  | 541.89 | 89.29  | 4.55 | 10188.84  | 13158.88   |                      |                            | 23347.72      |
| 2013-14        | 5110.64      | 3698.10 | 1898.29 | 18.39 | 11.30  | 864.97 | 127.66 | 5.07 | 11734.42  | 16983.39   |                      |                            | 28717.81      |
| 2014-15        | 2826.04      | 1733.04 | 1321.37 | 13.26 | 3.91   | 371.98 | 76.03  | 1.24 | 6346.87   | 9021.68    |                      |                            | 15368.55      |
| 2015-16        | 3799.25      | 2281.47 | 1459.19 | 16.04 | 45.72  | 453.61 | 100.43 | 3.44 | 8159.15   | 10476.16   |                      |                            | 18635.31      |

|                   | 9.10 SALE OF ENERGY CATEGORY-WISE<br>(1970-71 TO 2015-16) |      |      |    |       |      |     |      |               |                      |                     | M U         |                |
|-------------------|-----------------------------------------------------------|------|------|----|-------|------|-----|------|---------------|----------------------|---------------------|-------------|----------------|
| Financial<br>Year | L.T.CATEGORY                                              |      |      |    |       |      |     |      |               | H.T.                 |                     | Total<br>HT | Grand<br>Total |
|                   | I                                                         | II   | III  | IV | V     | VI   | VII | VIII | Total<br>L.T. | Within State<br>H.T. | Inter-state<br>H.T. |             |                |
| 1970-71           | 179                                                       | 127  | 162  | @  | 394   | 35   | --  | @    | 897           | 1289                 | 0                   | 1289        | 2186           |
| 1971-72           | 202                                                       | 138  | 174  | @  | 489   | 39   | --  | @    | 1042          | 1288                 | 0                   | 1288        | 2330           |
| 1972-73           | 194                                                       | 125  | 165  | @  | 505   | 30   | --  | --   | 1019          | 1154                 | 0                   | 1154        | 2173           |
| 1973-74           | 211                                                       | 129  | 183  | x  | 559   | 29   | --  | --   | 1111          | 1368                 | 0                   | 1368        | 2479           |
| 1974-75           | 238                                                       | 131  | 198  | x  | 640   | 29   | --  | 1    | 1237          | 1338                 | 0                   | 1338        | 2575           |
| 1975-76           | 264                                                       | 136  | 229  | 1  | 580   | 30   | --  | 1    | 1241          | 1553                 | 0                   | 1553        | 2794           |
| 1976-77           | 309                                                       | 163  | 263  | 1  | 726   | 33   | @   | 2    | 1497          | 1936                 | 0                   | 1936        | 3433           |
| 1977-78           | 360                                                       | 174  | 287  | 2  | 755   | 35   | 6   | 2    | 1621          | 2161                 | 0                   | 2161        | 3782           |
| 1978-79           | 422                                                       | 193  | 333  | 3  | 785   | 39   | 10  | 2    | 1787          | 2549                 | 0                   | 2549        | 4336           |
| 1979-80           | 498                                                       | 218  | 385  | 3  | 890   | 43   | 11  | 2    | 2050          | 2502                 | 0                   | 2502        | 4552           |
| 1980-81           | 546                                                       | 216  | 423  | 3  | 915   | 49   | 13  | 2    | 2167          | 2937                 | 0                   | 2937        | 5104           |
| 1981-82           | 638                                                       | 237  | 442  | 5  | 942   | 55   | 15  | 2    | 2336          | 3757                 | 0                   | 3757        | 6093           |
| 1982-83           | 730                                                       | 257  | 504  | 5  | 1393  | 70   | 18  | 2    | 2979          | 4120                 | 0                   | 4120        | 7099           |
| 1983-84           | 879                                                       | 282  | 550  | 7  | 1540  | 77   | 20  | 2    | 3357          | 4360                 | 0                   | 4360        | 7717           |
| 1984-85           | 1026                                                      | 314  | 597  | 7  | 2354  | 81   | 24  | 2    | 4405          | 4826                 | 0                   | 4826        | 9231           |
| 1985-86           | 1195                                                      | 340  | 643  | 10 | 2569  | 91   | 26  | 2    | 4876          | 5436                 | 0                   | 5436        | 10312          |
| 1986-87           | 1402                                                      | 375  | 662  | 11 | 3347  | 100  | 26  | 2    | 5925          | 5836                 | 0                   | 5836        | 11761          |
| 1987-88           | 1532                                                      | 395  | 700  | 10 | 3980  | 106  | 31  | 2    | 6756          | 4913                 | 0                   | 4913        | 11669          |
| 1988-89           | 1752                                                      | 416  | 775  | 12 | 4462  | 120  | 34  | 2    | 7573          | 5477                 | 0                   | 5477        | 13050          |
| 1989-90           | 1929                                                      | 446  | 871  | 12 | 5276  | 126  | 36  | 5    | 8701          | 5734                 | 0                   | 5734        | 14435          |
| 1990-91           | 2079                                                      | 513  | 949  | 18 | 6285  | 134  | 38  | 2    | 10018         | 6075                 | 0                   | 6075        | 16093          |
| 1991-92           | 2438                                                      | 553  | 944  | 19 | 6972  | 140  | 43  | 1    | 11110         | 6640                 | 0                   | 6640        | 17750          |
| 1992-93           | 2825                                                      | 611  | 1010 | 20 | 7895  | 146  | 57  | 1    | 12565         | 6662                 | 0                   | 6662        | 19227          |
| 1993-94           | 3187                                                      | 673  | 1072 | 23 | 9022  | 151  | 59  | 1    | 14188         | 6998                 | 18                  | 7016        | 21204          |
| 1994-95           | 3213                                                      | 672  | 1128 | 21 | 10922 | 152  | 61  | 3    | 16172         | 6763                 | 160                 | 6923        | 23095          |
| 1995-96           | 3276                                                      | 704  | 1172 | 22 | 11399 | 159  | 62  | 2    | 16796         | 6604                 | 0                   | 6604        | 23400          |
| 1996-97           | 3801                                                      | 795  | 1270 | 23 | 7835  | 212  | 70  | 3    | 14009         | 6914                 | 145                 | 7058        | 21067          |
| 1997-98           | 4535                                                      | 927  | 1357 | 25 | 9336  | 286  | 86  | 2    | 16554         | 7216                 | 174                 | 7390        | 23944          |
| 1998-99           | 5090                                                      | 1060 | 1492 | 27 | 9554  | 367  | 100 | 5    | 17695         | 7027                 | 117                 | 7144        | 24839          |
| 1999-00           | 5486                                                      | 1142 | 1576 | 27 | 10222 | 403  | 115 | 7    | 18978         | 6795                 | 29                  | 6824        | 25802          |
| 2000-01           | 5908                                                      | 1235 | 1681 | 28 | 11055 | 457  | 93  | 7    | 20464         | 6743                 | 0                   | 6743        | 27207          |
| 2001-02           | 6729                                                      | 1407 | 1775 | 28 | 12155 | 527  | 81  | 7    | 22709         | 6693                 | 147                 | 6840        | 29549          |
| 2002-03           | 6980                                                      | 1537 | 1915 | 32 | 12469 | 766  | 86  | 6    | 23791         | 7840                 | 0                   | 7840        | 31631          |
| 2003-04           | 7200                                                      | 1661 | 1962 | 36 | 12636 | 1010 | 94  | 8    | 24607         | 9478                 | 361                 | 9839        | 34446          |
| 2004-05           | 7789                                                      | 1832 | 2120 | 41 | 13394 | 1151 | 104 | 9    | 26440         | 11178                | 439                 | 11617       | 38057          |
| 2005-06           | 8462                                                      | 2047 | 2226 | 43 | 13267 | 1176 | 115 | 9    | 27345         | 12307                | 1200                | 13507       | 40852          |
| 2006-07           | 9178                                                      | 2298 | 2387 | 49 | 15538 | 1182 | 124 | 10   | 30766         | 14084                | 213                 | 14297       | 45063          |
| 2007-08           | 10364                                                     | 2687 | 2534 | 48 | 14359 | 1239 | 138 | 10   | 31379         | 17012                | 434                 | 17445       | 48824          |
| 2008-09           | 11471                                                     | 3026 | 2529 | 48 | 15882 | 1719 | 148 | 7    | 34829         | 18387                | 283                 | 18670       | 53499          |
| 2009-10           | 13102                                                     | 3385 | 2544 | 48 | 17729 | 1829 | 159 | 9    | 38805         | 20314                | 489                 | 20802       | 59607          |
| 2010-11           | 14274                                                     | 3720 | 2700 | 49 | 16716 | 1727 | 172 | 4    | 39362         | 23257                |                     | 23257       | 62619          |
| 2011-12           | 15369                                                     | 4126 | 3156 | 49 | 19360 | 1776 | 185 | 5    | 44026         |                      |                     | 25929       | 69955          |
| 2012-13           | 15742                                                     | 4068 | 2946 | 48 | 18848 | 1749 | 187 | 4    | 43593         |                      |                     | 24012       | 67604          |
| 2013-14           | 16656                                                     | 4270 | 2783 | 46 | 20801 | 1614 | 191 | 3    | 46365         |                      |                     | 26762       | 73126          |
| 2014-15           | 9650                                                      | 2053 | 2079 | 56 | 10143 | 713  | 117 | 24   | 24836         |                      |                     | 15338       | 40174          |
| 2015-16           | 11355                                                     | 2406 | 2280 | 38 | 10295 | 772  | 135 | 1    | 27282         | 15883                |                     | 15883       | 43165          |
| @ :               | Negligible                                                |      |      |    |       |      |     |      |               |                      |                     |             |                |
| x :               | Included in Agricultural                                  |      |      |    |       |      |     |      |               |                      |                     |             |                |

**9.10(A) SALE OF ENERGY CATEGORY-WISE  
ANNUAL GROWTH RATES(1988-89 TO 2015-16)**

| Financial<br>Year | ( Provl)     |         |         |        |          |        |        |        |          | MU          |                 |
|-------------------|--------------|---------|---------|--------|----------|--------|--------|--------|----------|-------------|-----------------|
|                   | L.T.CATEGORY |         |         |        |          |        |        |        |          | Total<br>HT | Total<br>LT+ HT |
|                   | I            | II      | III     | IV     | V        | VI     | VII    | VIII   | Total    |             |                 |
| 1988-89           | 1752         | 416     | 775     | 12     | 4462     | 120    | 34     | 2      | 7573     | 5477        | 13050           |
| Anl. %            | 10.10        | 7.21    | 12.39   | 0.00   | 18.24    | 5.00   | 5.88   | 150.00 | 14.90    | 4.69        | 10.61           |
| 19 89-90          | 1929         | 446     | 871     | 12     | 5276     | 126    | 36     | 5      | 8701     | 5734        | 14435           |
| Anl. %            | 7.78         | 15.02   | 8.96    | 50.00  | 19.12    | 6.35   | 5.56   | -60.00 | 15.14    | 5.95        | 11.49           |
| 19 90-91          | 2079         | 513     | 949     | 18     | 6285     | 134    | 38     | 2      | 10018    | 6075        | 16093           |
| Anl. %            | 17.27        | 7.80    | -0.53   | 5.56   | 10.93    | 4.48   | 13.16  | -50.00 | 10.90    | 9.30        | 10.30           |
| 1991-92           | 2438         | 553     | 944     | 19     | 6972     | 140    | 43     | 1      | 11110    | 6640        | 17750           |
| Anl. %            | 15.87        | 10.49   | 6.99    | 5.26   | 13.24    | 4.29   | 32.56  | 0.00   | 13.10    | 0.33        | 8.32            |
| 19 92-93          | 2825         | 611     | 1010    | 20     | 7895     | 146    | 57     | 1      | 12565    | 6662        | 19227           |
| Anl. %            | 12.81        | 10.15   | 6.14    | 15.00  | 14.27    | 3.42   | 3.51   | 0.00   | 12.92    | 5.04        | 10.19           |
| 19 93-94          | 3187         | 673     | 1072    | 23     | 9022     | 151    | 59     | 1      | 14188    | 6998        | 21186           |
| Anl. %            | 0.82         | -0.15   | 5.22    | -8.70  | 21.06    | 0.66   | 3.39   | 200.00 | 13.98    | -3.36       | 8.26            |
| 1994-95           | 3213         | 672     | 1128    | 21     | 10922    | 152    | 61     | 3      | 16172    | 6763        | 22935           |
| Anl. %            | 1.96         | 4.76    | 3.90    | 4.76   | 4.37     | 4.61   | 1.64   | -33.33 | 3.86     | -2.35       | 2.03            |
| 1995-96           | 3276         | 704     | 1172    | 22     | 11399    | 159    | 62     | 2      | 16796    | 6604        | 23400           |
| Anl. %            | 16.03        | 12.93   | 8.36    | 4.55   | -31.27   | 33.33  | 12.90  | 50.00  | -16.59   | 4.69        | -10.59          |
| 1996-97           | 3801         | 795     | 1270    | 23     | 7835     | 212    | 70     | 3      | 14009    | 6914        | 20923           |
| Anl. %            | 19.31        | 16.60   | 6.93    | 8.70   | 19.16    | 34.91  | 22.86  | -33.33 | 18.17    | 3.95        | 13.47           |
| 1997-98           | 4535         | 927     | 1358    | 25     | 9336     | 286    | 86     | 2      | 16555    | 7187        | 23742           |
| Anl. %            | 12.24        | 14.35   | 9.87    | 8.32   | 2.34     | 28.32  | 16.72  | 150.00 | 6.89     | -0.71       | 4.59            |
| 1998-99           | 5090         | 1060    | 1492    | 27     | 9554     | 367    | 100    | 5      | 17695    | 7136        | 24831           |
| Anl. %            | 7.78         | 7.74    | 5.63    | -0.30  | 6.99     | 9.81   | 14.56  | 40.00  | 7.25     | -4.37       | 3.91            |
| 1999-2000         | 5486         | 1142    | 1576    | 27     | 10222    | 403    | 115    | 7      | 18978    | 6824        | 25802           |
| Anl. %            | 7.68         | 8.16    | 6.69    | 3.59   | 8.15     | 13.46  | -19.29 | -4.14  | 7.83     | -1.18       | 5.45            |
| 2000-01           | 5908         | 1235    | 1681    | 28     | 11055    | 457    | 93     | 7      | 20464    | 6743        | 27207           |
| Anl. %            | 13.91        | 13.89   | 5.54    | 0.14   | 9.95     | 15.29  | -13.17 | 3.73   | 10.97    | -0.74       | 8.07            |
| 2001-02           | 6729         | 1407    | 1775    | 28     | 12155    | 527    | 81     | 7      | 22709    | 6693        | 29402           |
| Anl. %            | 3.72         | 9.27    | 7.90    | 13.53  | 2.58     | 45.26  | 7.05   | -10.63 | 4.76     | 17.13       | 7.58            |
| 2002-03           | 6980         | 1537    | 1915    | 32     | 12469    | 766    | 86     | 6      | 23791    | 7840        | 31631           |
| Anl. %            | 3.15         | 8.05    | 2.47    | 13.21  | 1.34     | 31.89  | 8.95   | 28.62  | 3.43     | 20.90       | 7.76            |
| 2003-04           | 7200         | 1661    | 1962    | 36     | 12636    | 1010   | 94     | 8      | 24607    | 9478        | 34085           |
| Anl. %            | 8.18         | 10.30   | 8.05    | 13.89  | 6.00     | 13.96  | 10.64  | 12.50  | 7.45     | 17.94       | 10.37           |
| 2004-05           | 7789         | 1832    | 2120    | 41     | 13394    | 1151   | 104    | 9      | 26440    | 11178       | 37618           |
| Anl. %            | 8.64         | 11.74   | 5.00    | 4.88   | -0.95    | 2.17   | 10.58  | 0.00   | 3.42     | 10.10       | 5.41            |
| 2005-06           | 8462         | 2047    | 2226    | 43     | 13267    | 1176   | 115    | 9      | 27345    | 12307       | 39652           |
| Anl. %            | 8.46         | 12.26   | 7.23    | 13.95  | 17.12    | 0.51   | 7.83   | 11.11  | 12.51    | 14.44       | 13.11           |
| 2006-07           | 9178         | 2298    | 2387    | 49     | 15538    | 1182   | 124    | 10     | 30766    | 14084       | 44850           |
| Anl. %            | 12.92        | 16.94   | 6.17    | -2.55  | -7.59    | 4.84   | 11.08  | -0.20  | 1.99     | 20.79       | 7.89            |
| 2007-08           | 10364        | 2687    | 2534    | 48     | 14359    | 1239   | 138    | 10     | 31379    | 17012       | 48390           |
| Anl. %            | 10.68        | 12.58   | -0.20   | -0.02  | 10.61    | 38.73  | 7.09   | -28.06 | 11.00    | 8.08        | 9.97            |
| 2008-09           | 11471        | 3026    | 2529    | 48     | 15882    | 1719   | 148    | 7      | 34829    | 18387       | 53215           |
| Anl. %            | 14.22        | 11.87   | 0.57    | -0.42  | 11.63    | 6.40   | 7.98   | 25.91  | 11.42    | 10.48       | 11.09           |
| 2009-10           | 13102        | 3385    | 2544    | 48     | 17729    | 1829   | 159    | 9      | 38805    | 20314       | 59118           |
| Anl%              | 8.95         | 9.92    | 6.13    | 2.27   | -5.72    | -5.59  | 7.99   | -53.65 | 1.44     | 14.49       | 5.92            |
| 2010-11           | 14274        | 3720    | 2700    | 49     | 16716    | 1727   | 172    | 4      | 39362    | 23257       | 62619           |
| Anl%              | 7.67         | 10.90   | 16.90   | 0.70   | 15.82    | 2.82   | 7.57   | 18.85  | 11.85    | 11.49       | 11.72           |
| 2011-12           | 15369        | 4126    | 3156    | 49     | 19360    | 1776   | 185    | 5      | 44026    | 25929       | 69955           |
| Anl%              | 2.43         | -1.41   | -6.66   | -1.82  | -2.64    | -1.51  | 1.12   | -12.45 | -0.98    | -7.40       | -3.36           |
| 2012-13           | 15742        | 4068    | 2946    | 48     | 18848    | 1749   | 187    | 4      | 43593    | 24012       | 67604           |
| Anl%              | 5.81         | 4.98    | -5.53   | -3.64  | 10.36    | -7.72  | 2.05   | -38.99 | 6.36     | 11.45       | 8.17            |
| 2013-14           | 16656        | 4270    | 2783    | 46     | 20801    | 1614   | 191    | 3      | 46365    | 26762       | 73126           |
| Anl%              | -42.06       | -51.92  | -25.28  | 21.55  | -51.24   | -55.84 | -38.81 | 806.39 | -46.43   | -42.69      | -45.06          |
| *2014-15          | 9650.44      | 2053.36 | 2079.13 | 56.30  | 10143.00 | 712.72 | 116.82 | 24.11  | 24835.88 | 15338.02    | 40173.90        |
| Anl%              | 17.66        | 17.16   | 9.67    | -31.75 | 1.50     | 8.29   | 15.40  | -93.84 | 9.85     | 3.55        | 7.45            |
| 2015-16           | 11354.92     | 2405.72 | 2280.25 | 38.42  | 10294.80 | 771.78 | 134.81 | 1.49   | 27282.18 | 15882.85    | 43165.03        |

\* Sales for residual AP

**9.11 PATTERN OF ELECTRICITY CONSUMPTION ( % )**  
**(1960 TO 2016)**

| Category | Domestic | Commercial | Agricultural<br>(L.T+H.T) | Industry<br>@ | Railway<br>Traction | Others | Total  |
|----------|----------|------------|---------------------------|---------------|---------------------|--------|--------|
| 1960-61  | 10.80    | 5.16       | 9.08                      | 72.76         | --                  | 2.20   | 100    |
| 1961-62  | 11.41    | 4.77       | 9.47                      | 72.00         | --                  | 2.35   | 100    |
| 1962-63  | 12.58    | 5.33       | 11.28                     | 68.30         | --                  | 2.51   | 100    |
| 1963-64  | 8.04     | 8.81       | 13.12                     | 68.78         | --                  | 1.25   | 100    |
| 1964-65  | 8.15     | 8.67       | 12.84                     | 68.20         | --                  | 2.14   | 100    |
| 1965-66  | 8.15     | 8.22       | 16.05                     | 65.60         | --                  | 1.98   | 100    |
| 1966-67  | 7.93     | 7.74       | 16.40                     | 65.60         | --                  | 2.33   | 100    |
| 1967-68  | 7.95     | 7.22       | 17.69                     | 65.42         | --                  | 1.72   | 100    |
| 1968-69  | 7.68     | 6.55       | 19.55                     | 64.57         | --                  | 1.65   | 100    |
| 1969-70  | 7.37     | 5.95       | 16.76                     | 68.24         | --                  | 1.68   | 100    |
| 1970-71  | 8.17     | 5.83       | 18.44                     | 65.44         | --                  | 2.12   | 100    |
| 1980-81  | 10.70    | 4.23       | 18.44                     | 63.07         | 0.98                | 2.59   | 100    |
| 1984-85  | 11.34    | 3.47       | 26.44                     | 54.89         | 1.97                | 1.90   | 100    |
| 1985-86  | 11.59    | 3.30       | 25.28                     | 54.78         | 2.03                | 3.03   | 100    |
| 1986-87  | 11.92    | 3.19       | 28.79                     | 50.89         | 2.29                | 2.92   | 100    |
| 1987-88  | 13.13    | 3.38       | 34.43                     | 43.25         | 2.01                | 3.80   | 100    |
| 1988-89  | 13.43    | 3.18       | 34.45                     | 43.28         | 2.10                | 3.56   | 100    |
| 1989-90  | 13.36    | 3.09       | 36.83                     | 41.08         | 2.22                | 3.42   | 100    |
| 1990-91  | 12.79    | 3.16       | 38.62                     | 39.03         | 2.18                | 4.22   | 100    |
| 1991-92  | 14.05    | 3.18       | 40.37                     | 38.95         | 2.17                | 1.28   | 100    |
| 1992-93  | 14.69    | 3.17       | 41.28                     | 34.83         | 2.40                | 3.63   | 100    |
| 1993-94  | 15.04    | 3.18       | 42.80                     | 32.41         | 2.59                | 3.98   | 100    |
| 1994-95  | 14.01    | 2.93       | 47.81                     | 29.17         | 2.59                | 3.49   | 100    |
| 1995-96  | 14.00    | 3.01       | 48.85                     | 27.55         | 2.70                | 3.89   | 100    |
| 1996-97  | 18.17    | 3.80       | 37.57                     | 32.42         | 3.28                | 4.76   | 100    |
| 1997-98  | 19.10    | 3.90       | 39.46                     | 26.41         | 3.58                | 7.55   | 100    |
| 1998-99  | 20.34    | 4.17       | 39.59                     | 26.46         | 3.39                | 6.05   | 100    |
| 1999-2K  | 20.93    | 4.35       | 40.79                     | 23.54         | 3.4                 | 6.99   | 100    |
| 2000-01  | 21.71    | 4.54       | 40.78                     | 22.84         | 3.39                | 6.74   | 100    |
| 2001-02  | 22.89    | 4.78       | 41.53                     | 20.94         | 3.28                | 6.57   | 100    |
| 2002-03  | 22.06    | 4.85       | 39.42                     | 21.39         | 3.38                | 8.43   | 100    |
| 2003-04  | 21.12    | 4.87       | 37.07                     | 25.90         | 3.32                | 7.72   | 100    |
| 2004-05  | 20.71    | 4.87       | 36.17                     | 27.97         | 3.12                | 7.16   | 100    |
| 2005-06  | 21.34    | 5.16       | 33.99                     | 30.34         | 3.09                | 6.08   | 100    |
| 2006-07  | 20.46    | 5.12       | 35.31                     | 31.02         | 2.85                | 5.22   | 100    |
| 2007-08  | 21.42    | 5.55       | 30.65                     | 31.14         | 2.90                | 8.34   | 100    |
| 2008-09  | 21.56    | 5.69       | 30.84                     | 33.60         | 2.67                | 5.65   | 100    |
| 2009-10  | 22.16    | 5.73       | 30.97                     | 33.21         | 2.58                | 5.36   | 100    |
| 2010-11  | 22.80    | 5.94       | 27.66                     | 33.43         | 2.51                | 7.66   | 100    |
| 2011-12  | 21.97    | 5.90       | 28.86                     | 36.06         | 2.45                | 4.76   | 100    |
| 2012-13  | 23.29    | 6.02       | 28.89                     | 34.37         | 2.62                | 4.82   | 100    |
| 2013-14  | 22.78    | 5.84       | 29.85                     | 34.41         | 2.58                | 4.55   | 100    |
| 2014-15  | 24.02    | 5.11       | 26.83                     | 36.99         | 3.49                | 3.56   | 100.00 |
| 2015-16  | 26.31    | 5.57       | 24.91                     | 36.47         | 3.11                | 3.63   | 100.00 |

@ includes LT Industrial & Cottage Industries and  
H.T industrial Cat-I, Cat-II& Power Intensive.

NOTE:- Only sales with in the state are considered

## 9.12 ARREARS OF REVENUE

(Rs.in crores)

| Details<br>As on | L.T.<br>Con-<br>sumers | H.T.<br>Con-<br>sumers | TOTAL   | Decreed<br>debts | Debts<br>pending<br>in Courts | Debts to<br>be with-<br>drawn | Amounts<br>due from<br>Govt. Depts | Amounts<br>due from<br>Local<br>Bodies | Amounts<br>due from<br>Live<br>Services | Amounts due<br>from<br>Disconnected<br>Services | Others<br>(Arrears of<br>RESCOs,RR<br>Act,) | TOTAL   |
|------------------|------------------------|------------------------|---------|------------------|-------------------------------|-------------------------------|------------------------------------|----------------------------------------|-----------------------------------------|-------------------------------------------------|---------------------------------------------|---------|
| 1986-87          | 56.81                  | 105.36                 | 162.17  | 0.46             | 76.49                         | 0.28                          | 2.57                               | 8.15                                   | 43.02                                   | 31.20                                           |                                             | 162.17  |
| 1987-88          | 72.84                  | 150.87                 | 223.71  | 0.52             | 109.18                        | 0.36                          | 6.47                               | 11.38                                  | 67.6                                    | 28.2                                            |                                             | 223.71  |
| 1988-89          | 82.86                  | 192.84                 | 275.70  | 0.53             | 141.21                        | 0.96                          | 10.68                              | 13.78                                  | 72.72                                   | 35.82                                           |                                             | 275.70  |
| 1989-90          | 106.75                 | 260.28                 | 367.03  | 0.58             | 203.95                        | 1.07                          | 11.37                              | 14.70                                  | 89.20                                   | 46.16                                           |                                             | 367.03  |
| 1990-91          | 114.54                 | 248.58                 | 363.12  | 0.54             | 189.24                        | 0.95                          | 13.58                              | 18.34                                  | 92.52                                   | 47.95                                           |                                             | 363.12  |
| 1991-92          | 128.52                 | 277.44                 | 405.96  | 0.6              | 189.32                        | 1.4                           | 19.37                              | 22.21                                  | 125.91                                  | 47.15                                           |                                             | 405.96  |
| 1992-93          | 175.07                 | 281.38                 | 456.45  | 6.26             | 141.86                        | 3.15                          | 25.82                              | 39.20                                  | 128.40                                  | 111.76                                          |                                             | 456.45  |
| 1993-94          | 220.28                 | 335.46                 | 555.74  | 1.08             | 191.86                        | 2.83                          | 55.33                              | 41.69                                  | 176.48                                  | 86.47                                           |                                             | 555.74  |
| 1994-95          | 262.10                 | 310.26                 | 572.36  | 0.44             | 176.83                        | 2.69                          | 36.68                              | 48.80                                  | 210.62                                  | 96.30                                           |                                             | 572.36  |
| 1995-96          | 262.33                 | 328.57                 | 590.90  | 0.47             | 178.71                        | 5.55                          | 69.69                              | 39.19                                  | 197.51                                  | 99.78                                           |                                             | 590.90  |
| 1996-97          | 353.70                 | 371.48                 | 725.18  | 0.37             | 176.76                        | 5.44                          | 66.90                              | 52.37                                  | 279.28                                  | 144.06                                          |                                             | 725.18  |
| 1997-98          | 495.93                 | 355.61                 | 851.54  | 0.47             | 106.93                        | 1.63                          | 133.82                             | 35.64                                  | 344.72                                  | 228.33                                          |                                             | 851.54  |
| 1998-99          | 661.58                 | 504.11                 | 1165.69 | 0.54             | 118.11                        | 4.52                          | 238.46                             | 78.80                                  | 465.61                                  | 259.65                                          |                                             | 1165.69 |
| 1999-2K          | 843.99                 | 385.83                 | 1229.82 | 0.86             | 111.96                        | 3.87                          | 140.48                             | 123.70                                 | 549.94                                  | 299.01                                          |                                             | 1229.82 |
| 2000-01          | 1020.70                | 480.14                 | 1500.84 | 0.27             | 141.62                        | 4.86                          | 176.28                             | 169.52                                 | 639.87                                  | 368.42                                          |                                             | 1500.84 |
| 2001-02          | 1154.37                | 516.25                 | 1670.62 | 0.48             | 122.68                        | 3.14                          | 199.75                             | 170.97                                 | 771.14                                  | 402.46                                          |                                             | 1670.62 |
| 2002-03          | 1640.12                | 602.18                 | 2142.30 | 0.54             | 115.01                        | 7.48                          | 303.51                             | 131.40                                 | 1012.52                                 | 571.84                                          |                                             | 2142.30 |
| 2003-04          | 2022.59                | 626.96                 | 2649.55 | 8.49             | 109.09                        | 4.69                          | 370.63                             | 0.93                                   | 1435.18                                 | 720.54                                          |                                             | 2649.55 |
| 2004-05          | 2495.25                | 866.71                 | 3361.96 | 2.64             | 180.60                        | 3.83                          | 495.67                             | 40.78                                  | 1841.06                                 | 797.38                                          |                                             | 3361.96 |
| 2005-06          | 1181.76                | 823.44                 | 2005.20 | 12.09            | 265.76                        | 2.97                          | 254.22                             | 50.14                                  | 587.59                                  | 646.95                                          | 185.48                                      | 2005.20 |
| 2006-07          | 1211.93                | 864.88                 | 2076.81 | 2.09             | 293.64                        | 3.13                          | 281.78                             | 102.67                                 | 613.94                                  | 619.81                                          | 159.75                                      | 2076.81 |
| 2007-08          | 1191.79                | 865.34                 | 2057.13 | 2.72             | 309.04                        | 2.13                          | 299.81                             | 107.48                                 | 506.51                                  | 639.24                                          | 190.2                                       | 2057.13 |
| 2008-09          | 1067.91                | 858.09                 | 1926.00 | 1.40             | 355.18                        | 2.22                          | 235.45                             | 165.60                                 | 457.05                                  | 514.61                                          | 194.49                                      | 1926.00 |
| 2009-10          | 1270.82                | 975.13                 | 2245.95 | 1.40             | 384.19                        | 2.24                          | 321.91                             | 311.78                                 | 550.65                                  | 473.82                                          | 199.96                                      | 2245.95 |
| 2010-11          | 1546.84                | 1210.16                | 2757.00 | 16.11            | 444.09                        | 2.77                          | 486.63                             | 522.19                                 | 714.04                                  | 478.61                                          | 92.56                                       | 2757.00 |
| 2011-12          | 1883.95                | 1414.42                | 3298.37 | 3.11             | 609.94                        | 3.00                          | 539.93                             | 746.39                                 | 898.15                                  | 352.06                                          | 145.79                                      | 3298.37 |
| 2012-13          | 1944.13                | 1967.95                | 3912.08 | 3.74             | 713.02                        | 3.01                          | 571.96                             | 757.2                                  | 1212.97                                 | 408.41                                          | 241.76                                      | 3912.07 |
| 2013-14          | 2564.18                | 2660.97                | 5225.15 | 3.06             | 1024.68                       | 1.14                          | 957.71                             | 1498.76                                | 778.13                                  | 650.18                                          | 311.49                                      | 5225.15 |
| 2014-15*         | 1274.09                | 1284.69                | 2558.78 | 0.26             | 632.57                        | 4.98                          | 362.47                             | 1013.4                                 | 178.68                                  | 260.95                                          | 105.45                                      | 2558.76 |
| 2015-16          | 1433.11                | 1559.59                | 2992.70 | 0.98             | 717.61                        | 4.71                          | 242.78                             | 1185.81                                | 289.23                                  | 370.89                                          | 180.67                                      | 2992.68 |

\*For Residual AP

**RETAIL SUPPLY TARIFF SCHEDULE FOR FY 2015-16**  
**(RETAIL SUPPLY TARIFF RATES AND TERMS AND CONDITIONS)**

Retail Supply Tariff Schedule for FY 2015-16

| <b>Consumer Category</b>                                  | <b>Energy Unit</b> | <b>Fixed Charge (Rs/Month /Unit)</b> | <b>Energy Charge (Rs/ Unit)</b> |
|-----------------------------------------------------------|--------------------|--------------------------------------|---------------------------------|
| <b>LT-I:DOMESTIC (Telescopic)</b>                         |                    |                                      |                                 |
| <b>LT I(A):Upto 50 Units/Month</b>                        | kWh                |                                      | 1.45                            |
| <b>LT I(B):Above 50 Units/Month Upto 100 Units/Month</b>  |                    |                                      |                                 |
| First 50                                                  | kWh                |                                      | 1.45                            |
| 51-100                                                    | kWh                |                                      | 2.60                            |
| <b>LT I(C):Above 100 Units/Month Upto 200 Units/Month</b> |                    |                                      |                                 |
| First 50                                                  | kWh                |                                      | 2.60                            |
| 51-100                                                    | kWh                |                                      | 2.60                            |
| 101-150                                                   | kWh                |                                      | 3.60                            |
| 151-200                                                   | kWh                |                                      | 3.60                            |
| <b>LT I(C):Above 200 Units/Month</b>                      |                    |                                      |                                 |
| First 50                                                  | kWh                |                                      | 2.60                            |
| 51-100                                                    | kWh                |                                      | 3.25                            |
| 101-150                                                   | kWh                |                                      | 4.88                            |
| 151-200                                                   | kWh                |                                      | 5.63                            |
| 201-250                                                   | kWh                |                                      | 6.70                            |
| 251-300                                                   | kWh                |                                      | 7.22                            |
| 301-400                                                   | kWh                |                                      | 7.75                            |
| 401-500                                                   | kWh                |                                      | 8.27                            |
| Above 500                                                 | kWh                |                                      | 8.80                            |
| <b>LT-II:NON DOMESTIC/COMMERCIAL</b>                      |                    |                                      |                                 |
| <b>LT II(A):Upto 50 Units/Month</b>                       | kWh/kVAh           | 53/kW                                | 5.40                            |
| <b>LT II(B):Above 50 Units/Month</b>                      |                    |                                      |                                 |
| First 50                                                  | kWh/kVAh           | 53/kW                                | 6.63                            |
| 51-100                                                    | kWh/kVAh           | 53/kW                                | 7.38                            |
| 101-300                                                   | kWh/kVAh           | 53/kW                                | 8.54                            |
| 301-500                                                   | kWh/kVAh           | 53/kW                                | 9.06                            |
| Above 500                                                 | kWh/kVAh           | 53/kW                                | 9.59                            |
| <b>LT II(C):ADVERTISEMENT HOARDINGS</b>                   | kWh/kVAh           | 53/kW                                | 11.58                           |
| <b>LT-III:INDUSTRY</b>                                    |                    |                                      |                                 |
| Industries                                                | kWh/kVAh           | 53/kW                                | 6.38                            |
| Seasonal Industries (off season)                          | kWh/kVAh           | 53/kW                                | 7.09                            |
| Pisciculture/Prawn culture                                | kWh/kVAh           | 21/kW                                | 4.63                            |
| Sugarcane crushing                                        | kWh                | 21/kW                                | 4.63                            |
| Poultry farms (Above 1000 Birds)                          | kWh/kVAh           | 53/kW                                | 5.63                            |
| Mushroom & Rabbit Farms                                   | kWh/kVAh           | 53/kW                                | 5.63                            |
| Floriculture in Green House                               | kWh/kVAh           | 53/kW                                | 5.63                            |
| <b>LT-IV:COTTAGE INDUSTRIES</b>                           |                    |                                      |                                 |
| Cottage Industries upto 10 HP                             | kWh                | 20/kW                                | 3.75                            |
| Agro Based Activity upto 10 HP                            | kWh                | 20/kW                                | 3.75                            |
| <b>LT-V:AGRICULTURE</b>                                   |                    |                                      |                                 |
| <b>LT-V(A):AGRICULTURE WITH DSM MEASURES</b>              |                    |                                      |                                 |
| Corporate Farmers & IT Assesses                           | kWh                |                                      | 2.50                            |
| Wet Land Farmers (Holdings >2.5 acre)                     | kWh                | 525/HP *                             | 0.50                            |
| Dry Land Farmers (Connections > 3 nos.)                   | kWh                | 525/HP *                             | 0.50                            |
| Wet Land Farmers (Holdings <= 2.5 acre)                   | kWh                |                                      | 0.00                            |
| Dry Land Farmers (Connections <= 3 nos.)                  | kWh                |                                      | 0.00                            |

**RETAIL SUPPLY TARIFF SCHEDULE FOR FY 2015-16**  
**(RETAIL SUPPLY TARIFF RATES AND TERMS AND CONDITIONS)**  
**RETAIL SUPPLY TARIFF SCHEDULE FOR FY 2015-16**

| <b>Consumer Category</b>                        | <b>Energy Unit</b> | <b>Fixed Charge (Rs/Month /Unit)</b> | <b>Energy Charge (Rs/ Unit)</b> |
|-------------------------------------------------|--------------------|--------------------------------------|---------------------------------|
| <b>LT-V(B):AGRICULTURE WITHOUT DSM MEASURES</b> |                    |                                      |                                 |
| Corporate Farmers & IT Assesses                 | kWh                |                                      | 3.50                            |
| Wet Land Farmers (Holdings >2.5 acre)           | kWh                | 1050/HP *                            | 1.00                            |
| Dry Land Farmers (Connections > 3 nos.)         | kWh                | 1050/HP *                            | 1.00                            |
| Wet Land Farmers (Holdings <= 2.5 acre)         | kWh                | 525/HP *                             | 0.50                            |
| Dry Land Farmers (Connections <= 3 nos.)        | kWh                | 525/HP *                             | 0.50                            |
| <b>LT-V(C):OTHERS</b>                           |                    |                                      |                                 |
| Salt farming units upto 15HP                    | kWh                | 20/HP                                | 3.70                            |
| Rural Horticulture Nurseries upto 15HP          | kWh                | 20/HP                                | 3.70                            |
| <b>LT-VI:STREET LIGHTING AND PWS</b>            |                    |                                      |                                 |
| <b>LT-VI(A):STREET LIGHTING</b>                 |                    |                                      |                                 |
| Panchayats                                      | kWh                | 32/HP                                | 5.64                            |
| Municipalities                                  | kWh                | 32/HP                                | 6.16                            |
| Municipal Corporations                          | kWh                | 32/HP                                | 6.69                            |
| <b>LT-VI(B):PWS SCHEMES</b>                     |                    |                                      |                                 |
| Panchayats                                      | kWh/kVAh           | 32/HP                                | 4.59                            |
| Municipalities                                  | kWh/kVAh           | 32/HP                                | 5.64                            |
| Municipal Corporations                          | kWh/kVAh           | 32/HP                                | 6.16                            |
| <b>LT-VI(C):NTR SUJALA SCHEME</b>               | kWh/kVAh           | 10/HP                                | 4.00                            |
| <b>LT-VII:GENERAL</b>                           |                    |                                      |                                 |
| <b>LT-VII(A):GENERAL PURPOSE</b>                | kWh/kVAh           | 21/kW                                | 6.86                            |
| <b>LT-VII(B):RELIGIOUS PLACES</b>               | kWh                | 20/kW                                | 4.70                            |
| <b>LT-VIII: TEMPORARY SUPPLY</b>                | kWh/kVAh           | 21/kW                                | 9.90                            |
| <b>HT-I:INDUSTRY</b>                            |                    |                                      |                                 |
| <b>HT-I(A):GENERAL</b>                          |                    |                                      |                                 |
| 11 kV                                           | kVAh               | 371/kVA                              | 6.02                            |
| 33 kV                                           | kVAh               | 371/kVA                              | 5.57                            |
| 132 kV & Above                                  | kVAh               | 371/kVA                              | 5.15                            |
| <b>INDUSTRIAL COLONIES</b>                      |                    |                                      |                                 |
| 11 kV                                           | kVAh               |                                      | 5.96                            |
| 33 kV                                           | kVAh               |                                      | 5.96                            |
| 132 kV & Above                                  | kVAh               |                                      | 5.96                            |
| <b>SEASONAL INDUSTRIES (OFF SEASON)</b>         |                    |                                      |                                 |
| 11 kV                                           | kVAh               | 371/kVA                              | 7.25                            |
| 33 kV                                           | kVAh               | 371/kVA                              | 6.59                            |
| 132 kV & Above                                  | kVAh               | 371/kVA                              | 6.33                            |
| <b>TIME OF DAY TARIFFS</b>                      |                    |                                      |                                 |
| 11 kV                                           | kVAh               |                                      | 7.07                            |
| 33 kV                                           | kVAh               |                                      | 6.62                            |
| 132 kV & Above                                  | kVAh               |                                      | 6.20                            |

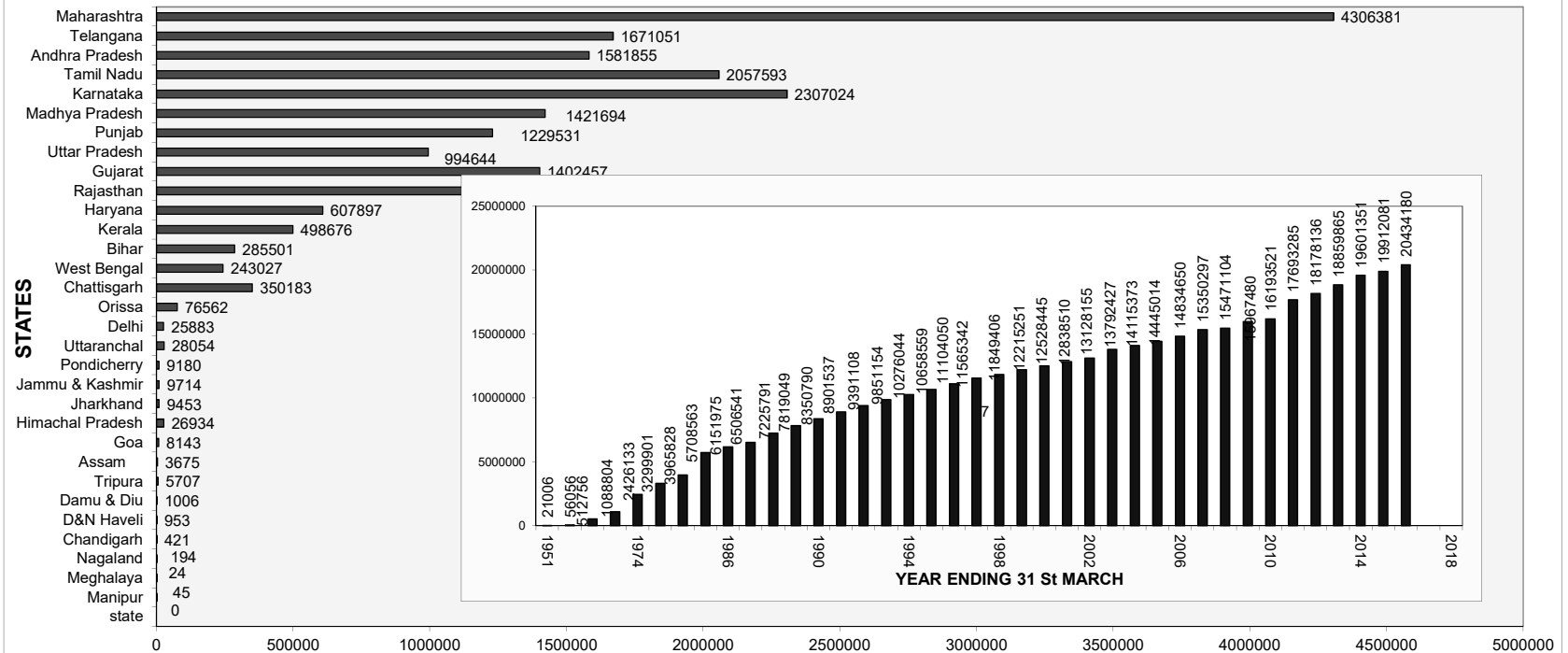
**RETAIL SUPPLY TARIFF SCHEDULE FOR FY 2015-16**  
**(RETAIL SUPPLY TARIFF RATES AND TERMS AND CONDITIONS)**

Retail Supply Tariff Schedule for FY 2015-16

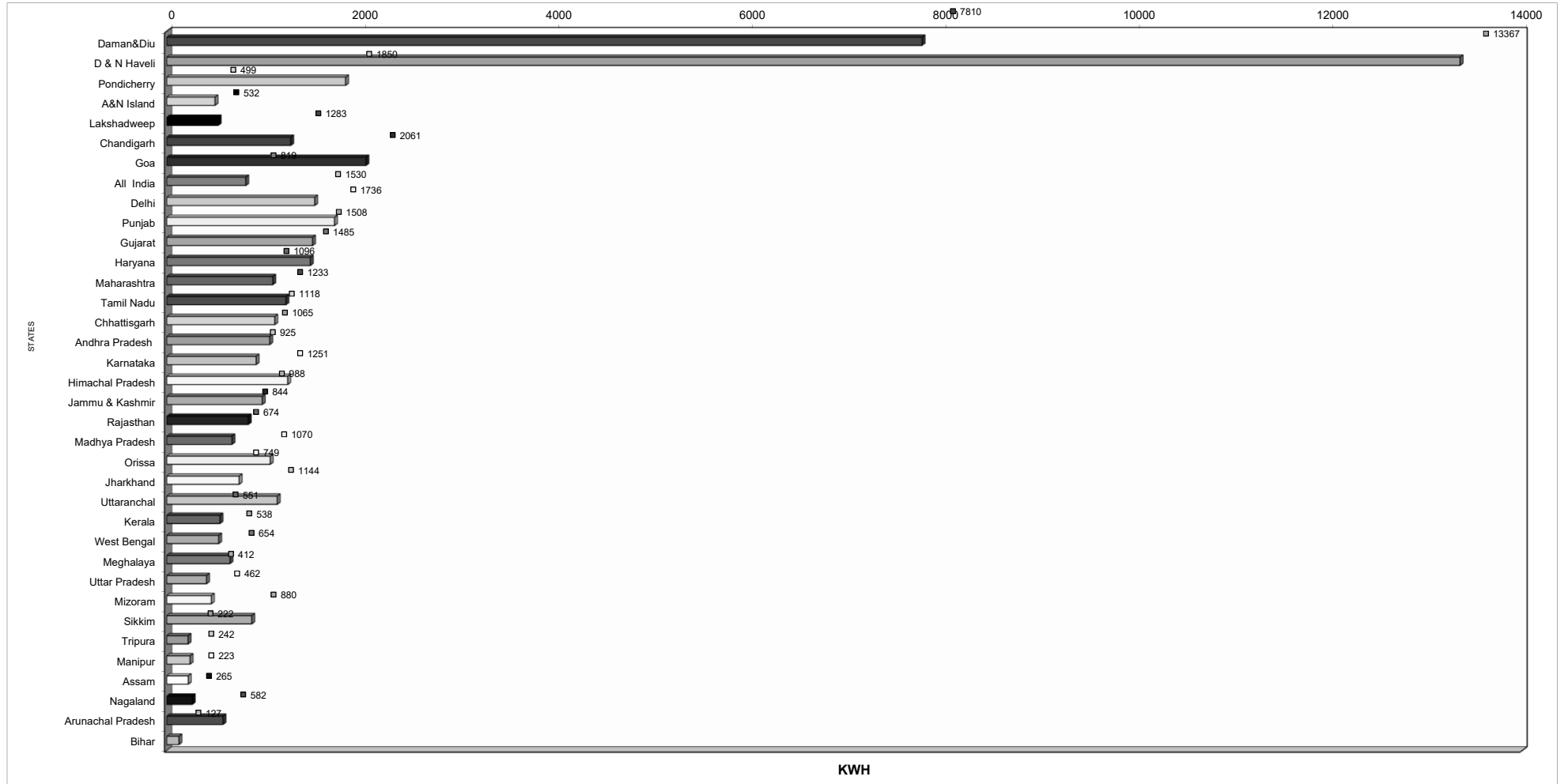
| Consumer Category                                 | Energy Unit | Fixed Charge (Rs/Month /Unit)      | Energy Charge (Rs/ Unit) |
|---------------------------------------------------|-------------|------------------------------------|--------------------------|
| HT-I(B):FERRO ALLOY UNITS                         |             |                                    |                          |
| 11 kV                                             | kVAh        |                                    | 5.68                     |
| 33 kV                                             | kVAh        |                                    | 5.23                     |
| 132 kV & Above                                    | kVAh        |                                    | 4.81                     |
| HT-II:OTHERS                                      |             |                                    |                          |
| 11 kV                                             | kVAh        | 371/kVA                            | 7.25                     |
| 33 kV                                             | kVAh        | 371/kVA                            | 6.59                     |
| 132 kV & Above                                    | kVAh        | 371/kVA                            | 6.33                     |
| TIME OF DAY TARIFFS(6 PM to 10 PM)                |             |                                    |                          |
| 11 kV                                             | kVAh        |                                    | 8.30                     |
| 33 kV                                             | kVAh        |                                    | 7.64                     |
| 132 kV & Above                                    | kVAh        |                                    | 7.38                     |
| HT-III:AIRPORTS,BUS STATIONS AND RAILWAY STATIONS |             |                                    |                          |
| 11 kV                                             | kVAh        | 371/kVA                            | 6.91                     |
| 33 kV                                             | kVAh        | 371/kVA                            | 6.31                     |
| 132 kV & Above                                    | kVAh        | 371/kVA                            | 6.01                     |
| TIME OF DAY TARIFFS(6 PM to 10 PM)                |             |                                    |                          |
| 11 kV                                             | kVAh        |                                    | 7.96                     |
| 33 kV                                             | kVAh        |                                    | 7.36                     |
| 132 kV & Above                                    | kVAh        |                                    | 7.06                     |
| HT-IV:LIFT IRRIGATION, AGRICULTURE AND CPWS       |             |                                    |                          |
| LIS                                               | kVAh        |                                    | 5.64                     |
| CPWS                                              | kVAh        |                                    | 4.61                     |
| HT-V:RAILWAY TRACTION                             |             |                                    | 6.68                     |
| HT-VI:TOWNSHIPS AND RESIDENTIAL COLONIES          |             | 53/kVA                             | 5.96                     |
| HT-VII:GREEN POWER                                |             |                                    | 11.32                    |
| HT-VIII:TEMPORARY                                 |             | times of corresponding HT category |                          |
| RURAL ELECTRIC CO-OPERATIVES                      |             |                                    |                          |
| Anakapally                                        | kWh         |                                    | 1.38                     |
| Chipurupally                                      | kWh         |                                    | 0.22                     |
| Kuppam                                            | kWh         |                                    | 0.24                     |

\* Equivalent flat rate tariff per Year

## PUMPSETS ENERGISED ALL INDIA, STATE WISE



## PER CAPITA CONSUMPTION (GROSS)-STATE WISE



## **APPENDIX**

**APPENDIX - I**  
**SYSTEM DEMAND AND LOAD FACTORS OF A.P.GRID FOR THE YEAR**  
**2015-16**

| Sl.No.             | Month  | Demand Met<br>(MU) | Maximum<br>Demand MW | Load Factor<br>% |
|--------------------|--------|--------------------|----------------------|------------------|
| 1                  | Apr-15 | 4164               | 6789                 | 85.19            |
| 2                  | May-15 | 4488               | 6732                 | 89.60            |
| 3                  | Jun-15 | 3856               | 6620                 | 80.90            |
| 4                  | Jul-15 | 4509               | 6847                 | 88.50            |
| 5                  | Aug-15 | 4289               | 6500                 | 88.69            |
| 6                  | Sep-15 | 3959               | 6336                 | 86.79            |
| 7                  | Oct-15 | 4348               | 6913                 | 84.54            |
| 8                  | Nov-15 | 3588               | 6755                 | 73.77            |
| 9                  | Dec-15 | 3879               | 6540                 | 79.73            |
| 10                 | Jan-16 | 4121               | 6850                 | 80.86            |
| 11                 | Feb-16 | 4328               | 7116                 | 87.39            |
| 12                 | Mar-16 | 4858               | 7391                 | 88.35            |
| <b>TOTAL / MAX</b> |        | <b>50387</b>       | <b>7391</b>          | <b>89.60</b>     |

**APPENDIX - II**  
**GROWTH OF MAXIMUM DEMAND AND ENERGY CONSUMPTION SINCE**  
**THE FORMATION OF ANDHRA PRADESH GRID**

| Sl.No | Year                                | Maximum Demand (MW) | % Increase in Demand over the preceeding year | Energy consumption (sales) (KWH) | % Increase in Energy over preceeding year |
|-------|-------------------------------------|---------------------|-----------------------------------------------|----------------------------------|-------------------------------------------|
| 1     | 2                                   | 3                   | 4                                             | 5                                | 6                                         |
| 1.    | 1966-67                             | 290.2               | --                                            | 1020849000                       | --                                        |
| 2.    | 1967-68                             | 357                 | 22.67                                         | 1334288482                       | 30.7                                      |
| 3.    | 1968-69                             | 440.8               | 23.82                                         | 1638411589                       | 22.8                                      |
| 4.    | 1969-70                             | 524.4               | 18.97                                         | 1921423258                       | 17.3                                      |
| 5.    | 1970-71                             | 562.1               | 7.19                                          | 2186209278                       | 13.8                                      |
| 6.    | 1971-72                             | 630.4               | 13.75                                         | 2329845282                       | 6.6                                       |
| 7.    | 1972-73                             | 608.2               | -4.88                                         | 2272831235                       | -6.7                                      |
| 8.    | 1973-74                             | 652                 | 7.2                                           | 2479295728                       | 14.1                                      |
| 9.    | 1974-75                             | 706                 | 8.28                                          | 2575138955                       | 3.9                                       |
| 10.   | 1975-76                             | 822                 | 16.43                                         | 2794155331                       | 8.5                                       |
| 11.   | 1976-77                             | 871                 | 5.96                                          | 3433298534                       | 22.9                                      |
| 12.   | 1977-78                             | 978                 | 12.28                                         | 3782467759                       | 10.1                                      |
| 13.   | 1978-79                             | 1060                | 8.38                                          | 4335776979                       | 14.6                                      |
| 14.   | 1979-80                             | 1055                | (-)0.50                                       | 4551922878                       | 4.99                                      |
| 15.   | 1980-81                             | 1281                | 21.42                                         | 5104691158                       | 12.14                                     |
| 16.   | 1981-82                             | 1570                | 22.56                                         | 6095304852                       | 19.41                                     |
| 17.   | 1982-83                             | 1733                | 10.38                                         | 7101700277                       | 16.51                                     |
| 18.   | 1983-84                             | 1743                | 0.57                                          | 7716681624                       | 8.65                                      |
| 19.   | 1984-85                             | 2158                | 23.81                                         | 9230461624                       | 19.62                                     |
| 20.   | 1985-86                             | 2404                | 11.38                                         | 10312277228                      | 11.72                                     |
| 21.   | 1986-87                             | 2665                | 10.86                                         | 11760919879                      | 14.05                                     |
| 22.   | 1987-88                             | 2752                | 3.26                                          | 11669161619                      | (-)0.78                                   |
| 23.   | 1988-89                             | 3026                | 9.96                                          | 13050483244                      | 11.84                                     |
| 24.   | 1989-90                             | 3070                | 1.45                                          | 14589584658                      | 11.79                                     |
| 25.   | 1990-91                             | 3465                | 12.87                                         | 16093096300                      | 10.31                                     |
| 26.   | 1991-92                             | 3703                | 6.87                                          | 17750070152                      | 10.3                                      |
| 27.   | 1992-93                             | 3916                | 5.75                                          | 19226627211                      | 8.32                                      |
| 28.   | 1993-94                             | 4170                | 6.49                                          | 21205973062                      | 10.29                                     |
| 29.   | 1994-95                             | 4434                | 6.33                                          | 22934971453                      | 8.15                                      |
| 30.   | 1995-96                             | 4576                | 3.20                                          | 23399773651                      | 2.03                                      |
| 31.   | 1996-97                             | 5022                | 9.75                                          | ✧ 20984692565                    | -10.32                                    |
| 32.   | 1997-98                             | 5742                | 14.34                                         | ✧ 24010636901                    | 14.7                                      |
| 33.   | 1998-99                             | 6480                | 12.85                                         | ✧ 25546796457                    | 6.40                                      |
| 34.   | 1999-00                             | 6684                | 3.15                                          | 25802628926                      | 1.00                                      |
| 35.   | 2000-01                             | 7143                | 6.87                                          | 26975770000                      | 4.55                                      |
| 36.   | 2001-02                             | 7029                | -1.60                                         | 29402210000                      | 8.99                                      |
| 37.   | 2002-03                             | 6895                | -1.91                                         | 31630770000                      | 7.58                                      |
| 38.   | 2003-04                             | 7441                | 7.92                                          | 34445090000                      | 8.90                                      |
| 39.   | 2004-05                             | 7613                | 2.31                                          | 40090230000                      | 16.39                                     |
| 40.   | 2005-06                             | 8239                | 8.22                                          | 40851410000                      | 1.90                                      |
| 41.   | 2006-07                             | 8641                | 4.88                                          | 44850000000                      | 9.79                                      |
| 42.   | 2007-08                             | 9162                | 6.03                                          | 48390420000                      | 7.89                                      |
| 43.   | 2008-09                             | 9997                | 9.11                                          | 53215360000                      | 9.97                                      |
| 44.   | 2009-10                             | 10880               | 8.83                                          | 59118390000                      | 11.09                                     |
| 45.   | 2010-11                             | 11829               | 8.72                                          | 62618770000                      | 5.92                                      |
| 46.   | 2011-12                             | 11972               | 1.21                                          | 69955051000                      | 11.72                                     |
| 47.   | 2012-13                             | 11630               | -2.86                                         | 67604180000                      | -3.36                                     |
| 48.   | 2013-14                             | 13162               | 13.17                                         | 73126200000                      | 8.17                                      |
| 49.   | 2014-15 upto May 2014               | 12446               | -5.44                                         | 15560240000                      | -78.72                                    |
| 50.   | 2014-15 Residual AP(From June 2016) | 6784                | -48.46                                        | 40627320000                      | -44.44                                    |
| 51.   | 2015-16                             | 7391                | 8.95                                          | 43165026000                      | 6.25                                      |

Note : ✧ reconciled figure

**APPENDIX-III**

**LENGTH OF 11 KV AND LT LINES AND THE SALE OF POWER PER  
KILOMETER OF LENGTH SINCE THE FORMATION OF A.P GRID**

| <b>Sl.No.</b> | <b>At the end of the Year</b> | <b>Length of 11kV (KM)</b> | <b>Length of L.T (KM)</b> | <b>Total Length 11kV and L.T (KM)</b> | <b>Sales per KM of 11kV and LT Lines (KWH/KM)</b> |
|---------------|-------------------------------|----------------------------|---------------------------|---------------------------------------|---------------------------------------------------|
| 1.            | 31-03-1967                    | 20068                      | 25513                     | 45581                                 | 22396                                             |
| 2.            | 31-03-1968                    | 21112                      | 28215                     | 49327                                 | 27050                                             |
| 3.            | 31-03-1969                    | 25298                      | 33863                     | 59160                                 | 28189                                             |
| 4.            | 31-03-1970                    | 29221                      | 41376                     | 70597                                 | 27217                                             |
| 5.            | 31-03-1971                    | 33185                      | 49484                     | 82669                                 | 26414                                             |
| 6.            | 31-03-1972                    | 36818                      | 56089                     | 92907                                 | 25077                                             |
| 7.            | 31-03-1973                    | 40754                      | 61990                     | 102744                                | 21150                                             |
| 8.            | 31-03-1974                    | 42523                      | 65917                     | 108440                                | 22863                                             |
| 9.            | 31-03-1975                    | 43394                      | 67609                     | 111003                                | 23199                                             |
| 10.           | 31-03-1976                    | 45517                      | 70596                     | 116113                                | 24064                                             |
| 11.           | 31-03-1977                    | 49417                      | 77916                     | 127333                                | 26963                                             |
| 12.           | 31-03-1978                    | 53678                      | 88888                     | 142567                                | 25112                                             |
| 13.           | 31-03-1979                    | 57472                      | 96898                     | 154369                                | 28087                                             |
| 14.           | 31-03-1980                    | 62427                      | 106681                    | 169108                                | 26759                                             |
| 15.           | 31-03-1981                    | 67474                      | 117430                    | 184904                                | 27607                                             |
| 16.           | 31-03-1982                    | 70853                      | 126658                    | 197511                                | 30861                                             |
| 17.           | 31-03-1983                    | 74408                      | 137196                    | 211604                                | 33561                                             |
| 18.           | 31-03-1984                    | 78875                      | 147087                    | 225962                                | 34150                                             |
| 19.           | 31-03-1985                    | 84387                      | 164319                    | 248706                                | 37114                                             |
| 20.           | 31-03-1986                    | 91087                      | 183467                    | 274554                                | 37560                                             |
| 21.           | 31-03-1987                    | 96470                      | 202588                    | 299058                                | 39327                                             |
| 22.           | 31-03-1988                    | 102979                     | 226746                    | 329725                                | 35390                                             |
| 23.           | 31-03-1989                    | 110960                     | 246610                    | 357571                                | 36498                                             |
| 24.           | 31-03-1990                    | 117460                     | 266020                    | 383480                                | 38045                                             |
| 25.           | 31-03-1991                    | 123467                     | 287197                    | 410663                                | 39188                                             |
| 26.           | 31-03-1992                    | 131110                     | 311177                    | 442287                                | 40132                                             |
| 27.           | 31-03-1993                    | 137225                     | 335984                    | 473209                                | 40630                                             |
| 28.           | 31-03-1994                    | 142901                     | 361474                    | 504375                                | 42321                                             |
| 29.           | 31-03-1995                    | 148101                     | 382270                    | 530371                                | 43420                                             |
| 30.           | 31-03-1996                    | 150540                     | 392787                    | 543327                                | 43148                                             |
| 31.           | 31-03-1997                    | 153408                     | 397627                    | 551035                                | 43785                                             |
| 32.           | 31-03-1998                    | 156875                     | 404622                    | 561497                                | 42783                                             |
| 33.           | 31-01-1999                    | 160813                     | 411673                    | 572486                                | 36743                                             |
| 33.           | 31-03-1999                    | 162087                     | 414542                    | 576629                                | 53199                                             |
| 34.           | 31-03-2000                    | 166488                     | 424277                    | 590765                                | 43677                                             |
| 35.           | 31-03-2001                    | 169893                     | 431711                    | 601604                                | 44840                                             |
| 36.           | 31-03-2002                    | 172882                     | 438160                    | 611042                                | 48118                                             |
| 37.           | 31-03-2003                    | 178321                     | 467313                    | 645633                                | 48992                                             |
| 38.           | 31-03-2004                    | 186988                     | 473928                    | 660916                                | 51571                                             |
| 39.           | 31-03-2005                    | 202547                     | 486191                    | 688738                                | 54618                                             |
| 40.           | 31-03-2006                    | 215008                     | 504820                    | 719829                                | 55085                                             |
| 41.           | 31.03.2007                    | 224688                     | 513166                    | 737854                                | 60784                                             |
| 42.           | 31.03.2008                    | 234148                     | 517685                    | 751833                                | 64284                                             |
| 43.           | 31.03.2009                    | 259899                     | 527852                    | 787751                                | 67553                                             |
| 44.           | 31.03.2010                    | 260406                     | 532656                    | 793062                                | 74470                                             |
| 45.           | 31.03.2011                    | 270167                     | 542716                    | 812883                                | 77033                                             |
| 46.           | 31.03.2012                    | 280160                     | 551960                    | 832119                                | 84098                                             |
| 47.           | 31-03-2013                    | 290219                     | 559840                    | 850059                                | 79529                                             |
| 48.           | 31-03-2014                    | 300931                     | 566392                    | 867323                                | 84313                                             |
| 49.           | 31-03-2015*                   | 184499                     | 288769                    | 473268                                | 85844                                             |
| 50.           | 3/31/2016                     | 192081                     | 296983                    | 489064                                | 88261                                             |

\* Residual AP

**APPENDIX -IV as on 31-3-2016**

| Capacity of each Unit in MVA | 400 KV Sub-Stations |                          | 220 KV Sub-Stations |                          | 132 KV Sub-Stations |                          | 33 KV Sub-Stations |                          | Total   |                          |
|------------------------------|---------------------|--------------------------|---------------------|--------------------------|---------------------|--------------------------|--------------------|--------------------------|---------|--------------------------|
|                              | Numbers             | Aggregate Capacity (MVA) | Numbers             | Aggregate Capacity (MVA) | Numbers             | Aggregate Capacity (MVA) | Numbers            | Aggregate Capacity (MVA) | Numbers | Aggregate Capacity (MVA) |
| 1                            | 2                   | 3                        | 4                   | 5                        | 6                   | 7                        | 8                  | 9                        | 10      | 11                       |
| 315.00                       | 14                  | 4410                     |                     |                          |                     |                          |                    |                          | 14      | 4410                     |
| 160.00                       |                     |                          | 15                  | 2400                     |                     |                          |                    |                          | 15      | 2400                     |
| 100.00                       | 3                   | 300                      | 108                 | 10800                    |                     |                          |                    |                          | 111     | 11100                    |
| 80.00                        |                     |                          | 1                   | 80.0                     | 1                   | 80                       |                    |                          | 2       | 160                      |
| 60.00                        |                     |                          | 1                   | 60.0                     | 1                   | 63                       |                    |                          | 2       | 123                      |
| 50.00                        |                     |                          | 42                  | 2100.0                   | 60                  | 3000                     |                    |                          | 102     | 5100                     |
| 40.00                        |                     |                          |                     |                          |                     |                          |                    |                          | 0       | 0                        |
| 31.50                        |                     |                          | 48                  | 1512.0                   | 173                 | 5450                     |                    |                          | 221     | 6962                     |
| 30.00                        |                     |                          |                     |                          | 2                   | 60                       |                    |                          | 2       | 60                       |
| 25.00                        |                     |                          | 17                  | 425.0                    | 5                   | 125                      |                    |                          | 22      | 550                      |
| 20.00                        |                     |                          |                     |                          |                     |                          |                    |                          | 0       | 0                        |
| 16.00                        |                     |                          | 14                  | 224.0                    | 127                 | 2032                     |                    |                          | 141     | 2256                     |
| 15.00                        |                     |                          | 1                   | 15.0                     | 4                   | 60.0                     |                    |                          | 5       | 75                       |
| 12.50                        |                     |                          |                     |                          |                     |                          |                    |                          | 0       | 0                        |
| 10.00                        |                     |                          |                     |                          | 2                   | 20.0                     | 19                 | 190                      | 21      | 210                      |
| 8.00                         |                     |                          |                     |                          |                     |                          | 518                | 4144                     | 518     | 4144                     |
| 7.50                         |                     |                          |                     |                          |                     |                          | 7                  | 53                       | 7       | 53                       |
| 5.00                         |                     |                          |                     |                          |                     |                          | 2643               | 13215                    | 2643    | 13215                    |
| 3.15                         |                     |                          |                     |                          |                     |                          | 416                | 1310                     | 416     | 1310                     |
| 3.00                         |                     |                          |                     |                          |                     |                          | 24                 | 72                       | 24      | 72                       |
| 1.60                         |                     |                          |                     |                          |                     |                          | 3                  | 5                        | 3       | 5                        |
| 1.50                         |                     |                          |                     |                          |                     |                          | 4                  | 6                        | 4       | 6                        |
| 0.50                         |                     |                          |                     |                          |                     |                          | 1                  | 1                        | 1       | 1                        |
|                              | 17                  | 4710                     | 247                 | 17616.0                  | 375                 | 10890                    | 3635               | 18995                    | 4274    | 52211                    |

**APPENDIX -V Voltage wise as on 31-3-2016**

| Capacity of each Unit in MVA | 400 /220KV |              | 220 /132KV |              | 220/33KV |              | 220/11KV |              | 132/33 KV |              | 132/11 KV |              | 33/11KV  |              | Total     |              |
|------------------------------|------------|--------------|------------|--------------|----------|--------------|----------|--------------|-----------|--------------|-----------|--------------|----------|--------------|-----------|--------------|
|                              | No's       | Capacity MVA | No's       | Capacity MVA | No's     | Capacity MVA | No's     | Capacity MVA | No's      | Capacity MVA | No's      | Capacity MVA | No's     | Capacity MVA | No's      | Capacity MVA |
| <b>1</b>                     | <b>2</b>   | <b>3</b>     | <b>4</b>   | <b>5</b>     |          |              |          |              | <b>6</b>  | <b>7</b>     |           |              | <b>8</b> | <b>9</b>     | <b>10</b> | <b>11</b>    |
| 315.00                       | 14         | 4410         |            |              |          |              |          |              |           |              |           |              |          |              | 14        | 4410         |
| 160.00                       |            |              | 15         | 2400         |          |              |          |              |           |              |           |              |          |              | 15        | 2400         |
| 100.00                       |            |              | 110        | 11000        | 1        | 100          |          |              |           |              |           |              |          |              | 111       | 11100        |
| 80.00                        |            |              |            |              |          |              |          |              | 2         | 160          |           |              |          |              | 2         | 160          |
| 63.00                        |            |              |            |              |          |              |          |              | 1         | 63           |           |              |          |              | 1         | 63           |
| 60.00                        |            |              |            |              |          |              | 1.0      | 60           |           |              |           |              |          |              | 1         | 60           |
| 50.00                        |            |              |            |              | 3        | 150          | 2        | 100          | 97        | 4850         |           |              |          |              | 102       | 5100         |
| 40.00                        |            |              |            |              |          |              |          |              |           |              |           |              |          |              | 0         | 0            |
| 31.50                        |            |              |            |              | 11       | 347          | 1        | 31.5         | 209       | 6584         |           |              |          |              | 221       | 6962         |
| 30.00                        |            |              |            |              |          |              |          |              |           |              | 2         | 60           |          |              | 2         | 60           |
| 25.00                        |            |              |            |              | 1        | 25           | 14       | 350          | 4         | 100          | 3         | 75           |          |              | 22        | 550          |
| 20.00                        |            |              |            |              |          |              |          |              |           |              |           |              |          |              | 0         | 0            |
| 16.00                        |            |              |            |              |          |              |          |              | 128       | 2048         | 13        | 208          |          |              | 141       | 2256         |
| 15.00                        |            |              |            |              |          |              |          |              | 3         | 45           | 2         | 30           |          |              | 5         | 75           |
| 12.50                        |            |              |            |              |          |              |          |              |           |              |           |              |          |              | 0         | 0            |
| 10.00                        |            |              |            |              |          |              |          |              |           |              | 2         | 20           | 19       | 190          | 21        | 210          |
| 8.00                         |            |              |            |              |          |              |          |              |           |              |           |              | 518      | 4144         | 518       | 4144         |
| 7.50                         |            |              |            |              |          |              |          |              |           |              |           |              | 7        | 53           | 7         | 53           |
| 5.00                         |            |              |            |              |          |              |          |              |           |              |           |              | 2643     | 13215        | 2643      | 13215        |
| 3.15                         |            |              |            |              |          |              |          |              |           |              |           |              | 416      | 1310         | 416       | 1310         |
| 3.00                         |            |              |            |              |          |              |          |              |           |              |           |              | 24       | 72           | 24        | 72           |
| 1.60                         |            |              |            |              |          |              |          |              |           |              |           |              | 3        | 4.8          | 3         | 5            |
| 1.50                         |            |              |            |              |          |              |          |              |           |              |           |              | 4        | 6.0          | 4         | 6            |
| 0.50                         |            |              |            |              |          |              |          |              |           |              |           |              | 1        | 0.5          | 1         | 1            |
|                              | 14         | 4410         | 125        | 13400        | 16       | 622          | 18       | 542          | 444       | 13850        | 22        | 393          | 3635     | 18995        | 4274      | 52211        |

| APPENDIX - VI DISTRIBUTION TRANSFORMERS AS ON 31-3-2016 |                    |                                                 |     |     |     |     |      |     |     |      |     |      |     |     |       |      |       |      |       |        |        |       |               |                                                 |      |       |       |      |      |            |                       |        |          |
|---------------------------------------------------------|--------------------|-------------------------------------------------|-----|-----|-----|-----|------|-----|-----|------|-----|------|-----|-----|-------|------|-------|------|-------|--------|--------|-------|---------------|-------------------------------------------------|------|-------|-------|------|------|------------|-----------------------|--------|----------|
| Sl. No                                                  | Name of the Circle | Quantity in Numbers (Capacity wise kVA) 3-Phase |     |     |     |     |      |     |     |      |     |      |     |     |       |      |       |      |       |        |        |       |               | Quantity in Numbers (Capacity wise kVA) 1-Phase |      |       |       |      |      | Total Nos. | Total Capacity in KVA |        |          |
|                                                         |                    | 1000                                            | 750 | 600 | 500 | 400 | 315  | 300 | 281 | 250  | 200 | 160  | 150 | 125 | 100   | 75   | 63    | 50   | 40    | 25     | 16     | 15    | Total 3 Phase | Capacity                                        | 25   | 16    | 15    | 10   | 5    |            |                       | Total  | Capacity |
| 1                                                       | Srikakulam         | 0                                               | 0   | 0   | 0   | 0   | 3    | 0   | 0   | 5    | 0   | 80   | 0   | 0   | 1706  | 24   | 2154  | 42   | 442   | 1603   | 2501   | 0     | 8560          | 422968                                          | 0    | 0     | 5983  | 12   | 9    | 6004       | 89910                 | 14564  | 512878   |
| 2                                                       | Vizianagaram       | 0                                               | 0   | 0   | 4   | 2   | 12   | 0   | 0   | 15   | 6   | 186  | 0   | 0   | 1613  | 7    | 1955  | 21   | 513   | 2146   | 2354   | 0     | 8834          | 439164                                          | 0    | 32    | 4655  | 63   | 11   | 4761       | 71022                 | 13595  | 510186   |
| 3                                                       | Visakhapatnam      | 0                                               | 0   | 0   | 11  | 3   | 288  | 0   | 0   | 110  | 3   | 1422 | 1   | 0   | 5195  | 34   | 3217  | 44   | 1942  | 3257   | 3074   | 506   | 19107         | 1295990                                         | 0    | 0     | 5766  | 82   | 1    | 5849       | 87315                 | 24956  | 1383305  |
| 4                                                       | East Godavari      | 0                                               | 0   | 0   | 0   | 0   | 57   | 0   | 0   | 97   | 17  | 725  | 2   | 0   | 6060  | 91   | 4576  | 286  | 3589  | 7770   | 8948   | 238   | 32456         | 1561866                                         | 0    | 0     | 10856 | 498  | 44   | 11398      | 168040                | 43854  | 1729906  |
| 5                                                       | West Godavari      | 0                                               | 0   | 0   | 26  | 6   | 73   | 0   | 0   | 93   | 8   | 600  | 3   | 0   | 5250  | 112  | 5708  | 264  | 8326  | 17178  | 17642  | 87    | 55376         | 2111966                                         | 0    | 47    | 10136 | 378  | 69   | 10630      | 156917                | 66006  | 2268883  |
|                                                         | EPDCL Total        | 0                                               | 0   | 0   | 41  | 11  | 433  | 0   | 0   | 320  | 34  | 3013 | 6   | 0   | 19824 | 268  | 17610 | 657  | 14812 | 31954  | 34519  | 831   | 124333        | 5831954                                         | 0    | 79    | 37396 | 1033 | 134  | 38642      | 573204                | 162975 | 6405158  |
| 6                                                       | Vijayawada         | 0                                               | 2   | 0   | 14  | 0   | 300  | 0   | 0   | 185  | 30  | 1268 | 0   | 2   | 8057  | 225  | 4872  | 451  | 247   | 6596   | 3722   | 142   | 26113         | 1746903                                         | 81   | 11415 | 300   | 382  | 5    | 12183      | 193010                | 38296  | 1939913  |
| 7                                                       | Guntur             | 0                                               | 0   | 0   | 9   | 0   | 148  | 0   | 1   | 174  | 18  | 683  | 360 | 8   | 7380  | 199  | 4437  | 271  | 175   | 7010   | 4811   | 0     | 25684         | 1568013                                         | 0    | 12849 | 134   | 258  | 3    | 13244      | 210189                | 38928  | 1778202  |
| 8                                                       | Ongole             | 1                                               | 0   | 17  | 10  | 0   | 62   | 0   | 0   | 66   | 11  | 426  | 2   | 3   | 5876  | 27   | 5064  | 26   | 48    | 18413  | 12326  | 492   | 42870         | 1700063                                         | 95   | 10214 | 87    | 384  | 408  | 11188      | 172984                | 54058  | 1873047  |
| 9                                                       | Nellore            | 0                                               | 0   | 0   | 10  | 2   | 102  | 0   | 2   | 124  | 7   | 471  | 1   | 2   | 7191  | 31   | 5494  | 70   | 122   | 11166  | 11027  | 0     | 35822         | 1678161                                         | 0    | 12782 | 73    | 456  | 271  | 13582      | 211522                | 49404  | 1889683  |
| 10                                                      | Tirupati           | 0                                               | 0   | 0   | 3   | 0   | 143  | 0   | 0   | 94   | 9   | 405  | 0   | 0   | 5330  | 79   | 2305  | 77   | 118   | 35551  | 36444  | 11489 | 92047         | 2473569                                         | 2    | 14495 | 552   | 399  | 414  | 15862      | 246310                | 107909 | 2719879  |
| 11                                                      | Kadapa             | 0                                               | 3   | 3   | 14  | 2   | 32   | 1   | 0   | 64   | 5   | 245  | 6   | 0   | 4832  | 21   | 2769  | 44   | 176   | 25349  | 29276  | 0     | 62842         | 1849933                                         | 0    | 9718  | 7     | 297  | 464  | 10486      | 160883                | 73328  | 2010816  |
| 12                                                      | Anantapur          | 0                                               | 0   | 0   | 8   | 0   | 40   | 0   | 0   | 32   | 8   | 418  | 0   | 0   | 9106  | 133  | 5729  | 273  | 1     | 21843  | 5801   | 0     | 43392         | 2027163                                         | 690  | 8658  | 6939  | 0    | 406  | 16693      | 261893                | 60085  | 2289056  |
| 13                                                      | Kurnool            | 0                                               | 0   | 0   | 0   | 0   | 20   | 0   | 0   | 17   | 12  | 506  | 1   | 0   | 6023  | 56   | 4607  | 215  | 17    | 12900  | 2083   | 0     | 26457         | 1358059                                         | 1046 | 7665  | 5250  | 0    | 317  | 14278      | 229125                | 40735  | 1587184  |
|                                                         | SPDCL Total        | 1                                               | 5   | 20  | 68  | 4   | 847  | 1   | 3   | 756  | 100 | 4422 | 370 | 15  | 53795 | 771  | 35277 | 1427 | 904   | 138828 | 105490 | 12123 | 355227        | 14401864                                        | 1914 | 87796 | 13342 | 2176 | 2288 | 107516     | 1685916               | 462743 | 16087780 |
|                                                         | Total for DISCOMs  | 1                                               | 5   | 20  | 109 | 15  | 1280 | 1   | 3   | 1076 | 134 | 7435 | 376 | 15  | 73619 | 1039 | 52887 | 2084 | 15716 | 170782 | 140009 | 12954 | 479560        | 20233818                                        | 1914 | 87875 | 50738 | 3209 | 2422 | 146158     | 2259120               | 625718 | 22492938 |
| 1                                                       | Chipurupalli       | 0                                               | 0   | 0   | 0   | 0   | 0    | 0   | 0   | 0    | 2   | 15   | 0   | 0   | 372   | 0    | 110   | 0    | 0     | 0      | 0      | 0     | 499           | 46930                                           | 0    | 0     | 0     | 0    | 0    | 0          | 0                     | 499    | 46930    |
| 2                                                       | Anakapalli         | 0                                               | 0   | 0   | 0   | 0   | 0    | 0   | 0   | 0    | 0   | 34   | 0   | 0   | 1684  | 0    | 171   | 0    | 61    | 35     | 0      | 0     | 1985          | 187928                                          | 0    | 0     | 45    | 0    | 0    | 45         | 675                   | 2030   | 188603   |
| 3                                                       | Kuppam             | 0                                               | 0   | 0   | 0   | 0   | 0    | 0   | 0   | 8    | 6   | 23   | 0   | 0   | 950   | 14   | 485   | 40   | 0     | 2760   | 1567   | 221   | 6074          | 232872                                          | 422  | 22    | 202   | 88   | 0    | 734        | 14812                 | 6808   | 247684   |
|                                                         | RESCO total        | 0                                               | 0   | 0   | 0   | 0   | 0    | 0   | 0   | 8    | 8   | 72   | 0   | 0   | 3006  | 14   | 766   | 40   | 61    | 2795   | 1567   | 221   | 8558          | 467730                                          | 422  | 22    | 247   | 88   | 0    | 779        | 15487                 | 9337   | 483217   |
|                                                         | STATE TOTAL        | 1                                               | 5   | 20  | 109 | 15  | 1280 | 1   | 3   | 1084 | 142 | 7507 | 376 | 15  | 76625 | 1053 | 53653 | 2124 | 15777 | 173577 | 141576 | 13175 | 488118        | 20701548                                        | 2336 | 87897 | 50985 | 3297 | 2422 | 146937     | 2274607               | 635055 | 22976155 |

# APPENDIX - VII

## DISTRIBUTION TRANSFORMERS AND LT SALES PER KVA SINCE THE FORMATION OF A.P GRID

| Sl.No. | As on       | Distribution Transformers |                             | LT Sales<br>Per KVA |
|--------|-------------|---------------------------|-----------------------------|---------------------|
|        |             | Numbers                   | Aggregate<br>Capacity (KVA) |                     |
| 1.     | 31-03-1967  | 9908                      | 723451                      | 594                 |
| 2.     | 31-03-1968  | 10150                     | 790395                      | 724                 |
| 3.     | 31-03-1969  | 12363                     | 878844                      | 801                 |
| 4.     | 31-03-1970  | 16001                     | 1119665                     | 661                 |
| 5.     | 31-03-1971  | 18133                     | 1244102                     | 721                 |
| 6.     | 31-03-1972  | 19969                     | 1380806                     | 755                 |
| 7.     | 31-03-1973  | 21566                     | 1504455                     | 677                 |
| 8.     | 31-03-1974  | 22599                     | 1567741                     | 709                 |
| 9.     | 31-03-1975  | 23447                     | 1633197                     | 812                 |
| 10.    | 31-03-1976  | 24462                     | 1700665                     | 730                 |
| 11.    | 31-03-1977  | 26901                     | 1870457                     | 801                 |
| 12.    | 31-03-1978  | 29003                     | 1008590                     | 807                 |
| 13.    | 31-03-1979  | 31628                     | 2197944                     | 813                 |
| 14.    | 31-03-1980  | 34701                     | 2462459                     | 832                 |
| 15.    | 31-03-1981  | 36527                     | 2679845                     | 809                 |
| 16.    | 31-03-1982  | 40158                     | 2889603                     | 809                 |
| 17.    | 31-03-1983  | 42977                     | 3135032                     | 951                 |
| 18.    | 31-03-1984  | 45599                     | 3365645                     | 997                 |
| 19.    | 31-03-1985  | 48724                     | 3632018                     | 1213                |
| 20.    | 31-03-1986  | 53830                     | 3974146                     | 1227                |
| 21.    | 31-03-1987  | 59468                     | 4540297                     | 1305                |
| 22.    | 31-03-1988  | 66167                     | 5115938                     | 1320                |
| 23.    | 31-03-1989  | 73683                     | 5702859                     | 1328                |
| 24.    | 31-03-1990  | 80419                     | 6206140                     | 1402                |
| 25.    | 31-03-1991  | 88054                     | 6740590                     | 1486                |
| 26.    | 31-03-1992  | 101327                    | 7627137                     | 1457                |
| 27.    | 31-03-1993  | 112067                    | 8361787                     | 1503                |
| 28.    | 31-03-1994  | 119672                    | 9061445                     | 1566                |
| 29.    | 31-03-1995  | 131654                    | 10119758                    | 1598                |
| 30.    | 31-03-1996  | 141795                    | 10766559                    | 1560                |
| 31.    | 31-03-1997  | 148024                    | 11575559                    | 1210                |
| 32.    | 31-03-1998  | 160003                    | 12407646                    | 1334                |
| 33.    | 31-03-1999  | 171150                    | 13304994                    | 1380                |
| 34.    | 31-03-2000  | 186237                    | 14350113                    | 1323                |
| 35.    | 31-03-2001  | 201801                    | 15408003                    | 1330                |
| 36.    | 31-03-2002  | 213800                    | 16411039                    | 1384                |
| 37.    | 31-03-2003  | 242668                    | 17763390                    | 1322                |
| 38.    | 31-03-2004  | 323033                    | 19976710                    | 1232                |
| 39.    | 31-03-2005  | 405937                    | 22425651                    | 1179                |
| 40.    | 31-03-2006  | 474959                    | 24483835                    | 1117                |
| 41.    | 31-03-2007  | 519365                    | 26024668                    | 1182                |
| 42.    | 31-03-2008  | 580721                    | 28155518                    | 1114                |
| 43.    | 31-03-2009  | 672426                    | 30574412                    | 1139                |
| 43.    | 31-03-2010  | 737544                    | 32570874                    | 1191                |
| 44.    | 31-03-2011  | 811108                    | 34379264                    | 1145                |
| 45.    | 31-03-2012  | 894581                    | 36981530                    | 1190                |
| 46.    | 31-03-2013  | 972047                    | 40042448                    | 1089                |
| 47.    | 31-03-2014  | 1032863                   | 42401657                    | 1093                |
| 48.    | 31-03-2015* | 620891                    | 22256175                    | 1116                |
| 49.    | 31-03-2016  | 635055                    | 22976155                    | 1187                |

\* From 2015 the data is for Residual AP

**APPENDIX - VIII**

**SERVICES AND CONNECTED LOAD AS ON 31-03-2016**

| S.No.    | District                      | Unit | Domestic Supply | Non Domestic Supply | Industrial    | Cottage Industries | Agricultural including RESCOs | Public Lighting | General Purpose | Temporary  | Total (LT) (4 to 11) | Total H.T      | Total H.T + L.T |
|----------|-------------------------------|------|-----------------|---------------------|---------------|--------------------|-------------------------------|-----------------|-----------------|------------|----------------------|----------------|-----------------|
| 1        | 2                             | 3    | 4               | 5                   | 6             | 7                  | 8                             | 9               | 10              | 11         | 12                   | 13             | 14              |
| <b>1</b> | <b>SRIKAKULAM</b>             |      |                 |                     |               |                    |                               |                 |                 |            |                      |                |                 |
| a)       | Services as on 31-03-16       | Nos. | 663526          | 48485               | 2544          | 180                | 22481                         | 7026            | 5546            | 6          | <b>749794</b>        | 261            | <b>750055</b>   |
| b)       | Connected Load as on 31-03-16 | KW   | 262720          | 66720               | 52730         | 260                | 66240                         | 12150           | 6320            | 20         | <b>467160</b>        | 160540         | <b>627700</b>   |
| <b>2</b> | <b>VIZIANAGARAM</b>           |      |                 |                     |               |                    |                               |                 |                 |            |                      |                |                 |
| a)       | Services as on 31-03-16       | Nos. | 526443          | 40875               | 2378          | 81                 | 25803                         | 4717            | 4292            | 5          | <b>604594</b>        | 249            | <b>604843</b>   |
| b)       | Connected Load as on 31-03-16 | KW   | 264090          | 64130               | 39340         | 130                | 81460                         | 8390            | 5530            | 30         | <b>463100</b>        | 143020         | <b>606120</b>   |
| <b>3</b> | <b>VISAKHAPATNAM</b>          |      |                 |                     |               |                    |                               |                 |                 |            |                      |                |                 |
| a)       | Services as on 31-03-16       | Nos. | 1047471         | 106001              | 3507          | 240                | 24697                         | 11358           | 5564            | 18         | <b>1198856</b>       | 1090           | <b>1199946</b>  |
| b)       | Connected Load as on 31-03-16 | KW   | 1145580         | 271600              | 67380         | 480                | 86970                         | 24630           | 9290            | 310        | <b>1606240</b>       | 1016880        | <b>2623120</b>  |
| <b>4</b> | <b>EAST GODAVARI</b>          |      |                 |                     |               |                    |                               |                 |                 |            |                      |                |                 |
| a)       | Services as on 31-03-16       | Nos. | 1327573         | 125897              | 10086         | 897                | 44155                         | 11095           | 14808           | 12         | <b>1534523</b>       | 855            | <b>1535378</b>  |
| b)       | Connected Load as on 31-03-16 | KW   | 1012880         | 215690              | 198430        | 2440               | 273060                        | 32090           | 14820           | 90         | <b>1749500</b>       | 402380         | <b>2151880</b>  |
| <b>5</b> | <b>WEST GODAVARI</b>          |      |                 |                     |               |                    |                               |                 |                 |            |                      |                |                 |
| a)       | Services as on 31-03-16       | Nos. | 1030015         | 102873              | 12763         | 203                | 92128                         | 9807            | 12438           | 9          | <b>1260236</b>       | 642            | <b>1260878</b>  |
| b)       | Connected Load as on 31-03-16 | KW   | 798080          | 174470              | 195460        | 430                | 740810                        | 36000           | 11890           | 30         | <b>1957170</b>       | 322270         | <b>2279440</b>  |
|          | <b>TOTAL EPDCL</b>            |      |                 |                     |               |                    |                               |                 |                 |            |                      |                |                 |
| a)       | Services as on 31-03-16       | Nos. | <b>4595028</b>  | <b>424131</b>       | <b>31278</b>  | <b>1601</b>        | <b>209264</b>                 | <b>44003</b>    | <b>42648</b>    | <b>50</b>  | <b>5348003</b>       | <b>3097</b>    | <b>5351100</b>  |
| b)       | Connected Load as on 31-03-16 | KW   | <b>3483350</b>  | <b>792610</b>       | <b>553340</b> | <b>3740</b>        | <b>1248540</b>                | <b>113260</b>   | <b>47850</b>    | <b>480</b> | <b>6243170</b>       | <b>2045090</b> | <b>8288260</b>  |

**APPENDIX - VIII**

**SERVICES AND CONNECTED LOAD AS ON 31-03-2016**

| S.No.     | District                      | Unit | Domestic Supply | Non Domestic Supply | Industrial | Cottage Industries | Agricultural including RESCOs | Public Lighting | General Purpose | Temporary | Total (LT) (4 to 11) | Total H.T | Total H.T + L.T |
|-----------|-------------------------------|------|-----------------|---------------------|------------|--------------------|-------------------------------|-----------------|-----------------|-----------|----------------------|-----------|-----------------|
| 1         | 2                             | 3    | 4               | 5                   | 6          | 7                  | 8                             | 9               | 10              | 11        | 12                   | 13        | 14              |
| <b>6</b>  | <b>KRISHNA</b>                |      |                 |                     |            |                    |                               |                 |                 |           |                      |           |                 |
| a)        | Services as on 31-03-16       | Nos. | 1134448         | 126862              | 11346      | 588                | 84952                         | 7471            | 9348            |           | <b>1375015</b>       | 1115      | <b>1376130</b>  |
| b)        | Connected Load as on 31-03-16 | KW   | 1442937         | 338573              | 253213     | 759                | 474129                        | 33182           | 12557           |           | <b>2555350</b>       | 413216    | <b>2968566</b>  |
| <b>7</b>  | <b>GUNTUR</b>                 |      |                 |                     |            |                    |                               |                 |                 |           |                      |           |                 |
| a)        | Services as on 31-03-16       | Nos. | 1226291         | 120802              | 8113       | 139                | 79507                         | 8317            | 8316            |           | <b>1451485</b>       | 1056      | <b>1452541</b>  |
| b)        | Connected Load as on 31-03-16 | KW   | 1190096         | 260458              | 244110     | 356                | 416185                        | 24871           | 11274           |           | <b>2147350</b>       | 518103    | <b>2665453</b>  |
| <b>8</b>  | <b>PRAKASAM</b>               |      |                 |                     |            |                    |                               |                 |                 |           |                      |           |                 |
| a)        | Services as on 31-03-16       | Nos. | 738514          | 63628               | 6258       | 369                | 103827                        | 7906            | 5374            | 1         | <b>925877</b>        | 664       | <b>926541</b>   |
| b)        | Connected Load as on 31-03-16 | KW   | 613944          | 129239              | 247222     | 833                | 567257                        | 26200           | 7177            | 5         | <b>1591877</b>       | 242644    | <b>1834521</b>  |
| <b>9</b>  | <b>NELLORE</b>                |      |                 |                     |            |                    |                               |                 |                 |           |                      |           |                 |
| a)        | Services as on 31-03-16       | Nos. | 704450          | 66002               | 15762      | 386                | 138997                        | 10840           | 5465            |           | <b>941902</b>        | 518       | <b>942420</b>   |
| b)        | Connected Load as on 31-03-16 | KW   | 667655          | 133987              | 278169     | 548                | 662193                        | 28255           | 8310            |           | <b>1779117</b>       | 360538    | <b>2139655</b>  |
| <b>10</b> | <b>CHITTOOR</b>               |      |                 |                     |            |                    |                               |                 |                 |           |                      |           |                 |
| a)        | Services as on 31-03-16       | Nos. | 892764          | 88317               | 6365       | 5018               | 220290                        | 19970           | 7105            |           | <b>1239829</b>       | 869       | <b>1240698</b>  |
| b)        | Connected Load as on 31-03-16 | KW   | 932365          | 213903              | 116938     | 19772              | 1372088                       | 74704           | 12466           |           | <b>2742236</b>       | 394324    | <b>3136560</b>  |
| <b>11</b> | <b>CUDDAPAH</b>               |      |                 |                     |            |                    |                               |                 |                 |           |                      |           |                 |
| a)        | Services as on 31-03-16       | Nos. | 586258          | 56708               | 3264       | 362                | 102022                        | 7850            | 4528            |           | <b>760992</b>        | 328       | <b>761320</b>   |
| b)        | Connected Load as on 31-03-16 | KW   | 516867          | 112241              | 92200      | 1609               | 795637                        | 39767           | 8146            |           | <b>1566467</b>       | 253697    | <b>1820164</b>  |

**APPENDIX - VIII**

**SERVICES AND CONNECTED LOAD AS ON 31-03-2016**

| S.No.     | District                      | Unit | Domestic Supply | Non Domestic Supply | Industrial     | Cottage Industries | Agricultural including RESCOs | Public Lighting | General Purpose | Temporary  | Total (LT) (4 to 11) | Total H.T      | Total H.T + L.T |
|-----------|-------------------------------|------|-----------------|---------------------|----------------|--------------------|-------------------------------|-----------------|-----------------|------------|----------------------|----------------|-----------------|
| 1         | 2                             | 3    | 4               | 5                   | 6              | 7                  | 8                             | 9               | 10              | 11         | 12                   | 13             | 14              |
| <b>12</b> | <b>ANANTAPUR</b>              |      |                 |                     |                |                    |                               |                 |                 |            |                      |                |                 |
| a)        | Services as on 31-03-16       | Nos. | 787103          | 72012               | 4841           | 3282               | 162068                        | 8445            | 5460            | 1          | <b>1043212</b>       | 367            | <b>1043579</b>  |
| b)        | Connected Load as on 31-03-16 | KW   | 449984          | 126516              | 142911         | 14499              | 963101                        | 36697           | 11592           | 1          | <b>1745301</b>       | 355561         | <b>2100862</b>  |
| <b>13</b> | <b>KURNOOL</b>                |      |                 |                     |                |                    |                               |                 |                 |            |                      |                |                 |
| a)        | Services as on 31-03-16       | Nos. | 773762          | 72871               | 5506           | 232                | 112224                        | 6729            | 4309            | 2          | <b>975635</b>        | 376            | <b>976011</b>   |
| b)        | Connected Load as on 31-03-16 | KW   | 388868          | 123457              | 164494         | 552                | 627378                        | 27039           | 9016            | 2          | <b>1340806</b>       | 593493         | <b>1934299</b>  |
|           | <b>TOTAL SPDCL</b>            |      |                 |                     |                |                    |                               |                 |                 |            |                      |                |                 |
| a)        | Services as on 31-03-16       | Nos. | <b>6843590</b>  | <b>667202</b>       | <b>61455</b>   | <b>10376</b>       | <b>1003887</b>                | <b>77528</b>    | <b>49905</b>    | <b>4</b>   | <b>8713947</b>       | <b>5293</b>    | <b>8719240</b>  |
| b)        | Connected Load as on 31-03-16 | KW   | <b>6202716</b>  | <b>1438374</b>      | <b>1539257</b> | <b>38928</b>       | <b>5877968</b>                | <b>290715</b>   | <b>80538</b>    | <b>8</b>   | <b>15468504</b>      | <b>3131576</b> | <b>18600080</b> |
|           | <b>TOTAL FOR A.P.STATE</b>    |      |                 |                     |                |                    |                               |                 |                 |            |                      |                |                 |
| a)        | Services as on 31-03-16       | Nos. | <b>11438618</b> | <b>1091333</b>      | <b>92733</b>   | <b>11977</b>       | <b>1213151</b>                | <b>121531</b>   | <b>92553</b>    | <b>54</b>  | <b>14061950</b>      | <b>8390</b>    | <b>14070340</b> |
| b)        | Connected Load as on 31-03-16 | KW   | <b>9686066</b>  | <b>2230984</b>      | <b>2092597</b> | <b>42668</b>       | <b>7126508</b>                | <b>403975</b>   | <b>128388</b>   | <b>488</b> | <b>21711674</b>      | <b>5176666</b> | <b>26888340</b> |

(\*)Existing services as per releases and connected load as per billed services.

**APPENDIX IX- CATEGORY-WISE SERVICES AS ON 31.3.2016  
(INCLUDING R.E.S.CO-OPERATIVES)**

| S.No. | DISTRICT              | L.T.CATEGORY    |                |               |              |                |              |               |             |                 | H.T.        | TOTAL           |
|-------|-----------------------|-----------------|----------------|---------------|--------------|----------------|--------------|---------------|-------------|-----------------|-------------|-----------------|
|       |                       | I               | II             | III           | IV           | V              | VI           | VII           | Temp        | Total LT        |             |                 |
| 1     | SRIKAKULAM            | 689589          | 53379          | 3242          | 309          | 30042          | 4500         | 5362          | 272         | 786695          | 278         | 786973          |
| 2     | VIZIANAGARAM          | 524596          | 42947          | 2893          | 129          | 38662          | 3389         | 3920          | 50          | 616586          | 271         | 616857          |
| 3     | VISAKHAPATNAM         | 1244421         | 125559         | 5419          | 366          | 38138          | 7273         | 6004          | 268         | 1427448         | 1073        | 1428521         |
| 4     | EAST GODAVARI         | 1315556         | 131772         | 11560         | 1082         | 48075          | 5745         | 14203         | 194         | 1528187         | 909         | 1529096         |
| 5     | WEST GODAVARI         | 1003769         | 107725         | 13558         | 339          | 91630          | 6375         | 11680         | 120         | 1235196         | 617         | 1235813         |
|       | <b>TOTAL APEPDCL</b>  | <b>4777931</b>  | <b>461382</b>  | <b>36672</b>  | <b>2225</b>  | <b>246547</b>  | <b>27282</b> | <b>41169</b>  | <b>904</b>  | <b>5594112</b>  | <b>3148</b> | <b>5597260</b>  |
| 6     | KRISHNA               | 1317481         | 129079         | 17849         | 1031         | 93053          | 7743         | 12140         | 16          | 1578392         | 1272        | 1579664         |
| 7     | GUNTUR                | 1543633         | 141558         | 14760         | 347          | 88688          | 6251         | 10309         | 181         | 1805727         | 1034        | 1806761         |
| 8     | PRAKASAM              | 956698          | 71039          | 9518          | 563          | 141696         | 7012         | 8256          | 254         | 1195036         | 476         | 1195512         |
| 9     | NELLORE               | 913444          | 76626          | 24753         | 719          | 159797         | 8895         | 7099          | 87          | 1191420         | 565         | 1191985         |
| 10    | CHITTOOR              | 1187903         | 103771         | 11819         | 7030         | 296656         | 19051        | 10158         | 727         | 1637115         | 815         | 1637930         |
| 11    | KADAPA                | 705484          | 58717          | 5274          | 569          | 142710         | 5331         | 4902          | 3           | 922990          | 333         | 923323          |
| 12    | ANANTAPUR             | 963520          | 67294          | 8682          | 3445         | 215476         | 7273         | 6709          | 188         | 1272587         | 385         | 1272972         |
| 13    | KURNOOL               | 931199          | 64069          | 8607          | 564          | 131173         | 6436         | 6233          | 123         | 1148404         | 320         | 1148724         |
|       | <b>TOTAL APSPDCL</b>  | <b>8519362</b>  | <b>712153</b>  | <b>101262</b> | <b>14268</b> | <b>1269249</b> | <b>67992</b> | <b>65806</b>  | <b>1579</b> | <b>10751671</b> | <b>5200</b> | <b>10756871</b> |
|       | <b>RESCOs</b>         |                 |                |               |              |                |              |               |             |                 |             |                 |
| 1     | ANAKAPALLE            | 120413          | 6209           | 2623          | 63           | 12631          | 1003         | 1161          | 0           | 144103          | 0           | 144103          |
| 2     | CHIPURUPALLI          | 46973           | 3057           | 340           | 102          | 5309           | 342          | 478           | 0           | 56601           |             | 56601           |
| 3     | KUPPAM                | 68740           | 4944           | 421           | 5            | 30152          | 1623         | 823           | 4           | 106712          |             | 106712          |
|       | <b>TOTAL</b>          | <b>236126</b>   | <b>14210</b>   | <b>3384</b>   | <b>170</b>   | <b>48092</b>   | <b>2968</b>  | <b>2462</b>   | <b>4</b>    | <b>307416</b>   |             | <b>307416</b>   |
|       | <b>TOTAL FOR A.P.</b> | <b>13533419</b> | <b>1187745</b> | <b>141318</b> | <b>16663</b> | <b>1563888</b> | <b>98242</b> | <b>109437</b> | <b>2487</b> | <b>16653199</b> | <b>8348</b> | <b>16661547</b> |

APPENDIX -X  
**DISCOM - WISE ENERGY SALES**  
**DURING 2015-16 (MU) LT & HT**

| Category  |                               | Units (in MU)   |                 | Total units<br>(in MU) |
|-----------|-------------------------------|-----------------|-----------------|------------------------|
|           |                               | EPDCL           | SPDCL           |                        |
| <b>I</b>  | <b>LT</b>                     |                 |                 |                        |
|           | Domestic                      | 4389.17         | 6965.74         | 11354.92               |
|           | Non-domestic                  | 871.48          | 1534.24         | 2405.72                |
|           | Industrial                    | 814.16          | 1466.09         | 2280.25                |
|           | Cottage Industries            | 2.22            | 36.21           | 38.42                  |
|           | Agriculture                   | 2073.43         | 8221.37         | 10294.80               |
|           | Public lighting               | 235.94          | 535.84          | 771.78                 |
|           | General Purpose               | 48.03           | 86.78           | 134.81                 |
|           | Temporary                     | 0.73            | 0.76            | 1.49                   |
|           | <b>Total LT (I)</b>           | <b>8435.15</b>  | <b>18847.04</b> | <b>27282.18</b>        |
| <b>II</b> | <b>HT</b>                     |                 |                 |                        |
|           | Industrial                    | 4881.93         | 7188.93         | 12070.86               |
|           | Industrial Non-segg.          | 663.60          | 652.86          | 1316.45                |
|           | Aviation                      | 13.85           | 20.64           | 34.49                  |
|           | Agriculture                   | 118.41          | 339.63          | 458.04                 |
|           | Railway traction              | 666.45          | 677.71          | 1344.17                |
|           | RESCOs                        | 268.23          | 264.90          | 533.13                 |
|           | Colony lighting               | 32.98           | 38.85           | 71.83                  |
|           | Temporary                     | 3.92            | 0.95            | 4.87                   |
|           | RWS-CAT-VII                   | 25.42           | 23.59           | 49.01                  |
|           | <b>Total HT (II)</b>          | <b>6674.78</b>  | <b>9208.06</b>  | <b>15882.85</b>        |
|           | <b>Total LT + HT (I + II)</b> | <b>15109.93</b> | <b>28055.10</b> | <b>43165.03</b>        |

**APPENDIX XI**  
**Percapita consumption All figures in Kwh (Units)**

(In K.W.H.) (PROVISIONAL)

| Sl. No                | District      | 2014-15  |              |                                        |                 | 2015-16  |              |                                        |                |
|-----------------------|---------------|----------|--------------|----------------------------------------|-----------------|----------|--------------|----------------------------------------|----------------|
|                       |               | Domestic | Agricultural | Industrial (Including cottage and H.T) | All Categories  | Domestic | Agricultural | Industrial (Including cottage and H.T) | All Categories |
| 1                     | Srikakulam    | 128      | 32           | 140                                    | 389             | 159      | 31           | 145                                    | 428            |
| 2                     | Vizianagaram  | 122      | 35           | 356                                    | 598             | 155      | 35           | 250                                    | 543            |
| 3                     | Visakhapatnam | 230      | 25           | 567                                    | 1086            | 279      | 22           | 589                                    | 1198           |
| 4                     | East Godavari | 227      | 120          | 173                                    | 621             | 266      | 116          | 191                                    | 686            |
| 5                     | West Godavari | 233      | 350          | 294                                    | 980             | 277      | 372          | 333                                    | 1101           |
| 6                     | Krishna       | 291      | 121          | 263                                    | 765             | 326      | 146          | 305                                    | 880            |
| 7                     | Guntur        | 242      | 102          | 379                                    | 787             | 269      | 117          | 434                                    | 894            |
| 8                     | Prakasam      | 170      | 239          | 300                                    | 764             | 205      | 238          | 319                                    | 815            |
| 9                     | Nellore       | 242      | 294          | 500                                    | 1099            | 271      | 253          | 497                                    | 1089           |
| 10                    | Chittoor      | 172      | 344          | 293                                    | 946             | 193      | 346          | 325                                    | 1012           |
| 11                    | Cuddapah      | 167      | 482          | 336                                    | 1040            | 196      | 476          | 272                                    | 1006           |
| 12                    | Anantapur     | 134      | 501          | 328                                    | 1016            | 148      | 510          | 284                                    | 999            |
| 13                    | Kurnool       | 155      | 323          | 236                                    | 772             | 180      | 281          | 256                                    | 780            |
| <b>ANDHRA PRADESH</b> |               |          |              |                                        | <b>1003 (*)</b> |          |              |                                        | <b>987(*)</b>  |

(\*) State Per capita Computed as per CEA methodology

| <b>APPENDIX - XII</b>                                       |                                                           |                                   |
|-------------------------------------------------------------|-----------------------------------------------------------|-----------------------------------|
| <b>SCHEMEWISE CAPITAL OUTLAY - APTRANSCO FOR FY 2015-16</b> |                                                           |                                   |
| <b>Sl.No.</b>                                               | <b>Particulars</b>                                        | <b>Amount<br/>(Rs. In Crores)</b> |
| 1                                                           | Garividi & Pydibhibavaram Transmission System improvement | 35.68                             |
| 2                                                           | Rayalaseema Thermal Power Plant                           | 94.91                             |
| 3                                                           | 400kV Krishnapatnam Transmission Scheme                   | 30.32                             |
| 4                                                           | HNSS (BL & DC)                                            | 55.66                             |
| 5                                                           | GKLI (BL & DC)                                            | 48.80                             |
| 6                                                           | M/s Hinduja National Power Co poration Ltd.               | 158.11                            |
| 7                                                           | Suryapet SS under system improvement                      | 48.49                             |
| 8                                                           | Wind Power Transmission scheme                            | 977.47                            |
| 9                                                           | Chittor Nellore Power Transmission Scheme                 | 36.88                             |
| 10                                                          | Short Gestation Power Transmission Scheme                 | 2.30                              |
| 11                                                          | Erection of 400/220KV SS at Podili,Prakasam Dt            | 4.67                              |
| 12                                                          | Vijayawada Power Transmission Scheme                      | 2.61                              |
| 13                                                          | Rennovation & Modernisation                               | 24.36                             |
| 14                                                          | Normal Plan                                               | 151.2                             |
| 15                                                          | Schemes under Banks funding                               | 90.38                             |
| 16                                                          | Schemes under PFC funding                                 | 99.79                             |
| 17                                                          | Schemes under REC funding                                 | 92.69                             |
| 18                                                          | Plant and Machinery                                       | 4.08                              |
| 19                                                          | DC/Bulk Load Works                                        | 41.73                             |
| 20                                                          | Office Equipment                                          | 5.81                              |
| 21                                                          | Buildings                                                 | 0.06                              |
| 22                                                          | Other Assets                                              | 12.12                             |
| 23                                                          | Furniture & Fixtures                                      | 0.22                              |
| 24                                                          | Advance to Suppliers                                      | 5.02                              |
| 25                                                          | Interest During Construction                              | 125.09                            |
| <b>TOTAL</b>                                                |                                                           | <b>2148.45</b>                    |

**Appendix - XIII**

**CONSOLIDATED BALANCE SHEET (T + D)**  
**CONSOLIDATED BALANCE SHEET FOR THE YEAR 2015-16**

| <b>Schedule Note</b>                                               | <b>APTransco</b> | <b>EPDCL</b>   | <b>SPDCL</b>    | <b>As at 31st<br/>March<br/>2016</b> |
|--------------------------------------------------------------------|------------------|----------------|-----------------|--------------------------------------|
| <b>NET ASSETS :</b>                                                |                  |                |                 |                                      |
| Net Fixed Assets                                                   |                  |                |                 |                                      |
| Gross Block                                                        | 6771.77          | 4852.77        | 11450.83        | 23075.37                             |
| <b>Less:</b> Accumulated Depreciation                              | (2870.84)        | (2435.35)      | (5573.70)       | (10879.89)                           |
| <b>Net Fixed Assets</b>                                            | <b>3900.93</b>   | <b>2417.42</b> | <b>5877.13</b>  | <b>12195.48</b>                      |
| Capital Expenditure in progress                                    | 2318.37          | 497.12         | 1616.85         | 4432.34                              |
| Assets not in use                                                  | 0.00             | 27.58          | 0.00            | 27.58                                |
| Deferred Costs / Deferred Tax Asset                                | 0.00             | 0.00           | 0.00            | 0.00                                 |
| Intangible Assets                                                  | 0.00             | 0.00           | 0.09            | 0.09                                 |
| Investments                                                        | 310.98           | 168.40         | 286.71          | 766.09                               |
| <b>Total Current Assets</b>                                        | <b>1494.65</b>   | <b>6008.74</b> | <b>5897.08</b>  | <b>13400.47</b>                      |
| Subsidy Receivable from Government                                 | 0.00             | 0.00           | 0.00            | 0.00                                 |
| Accumulated Deficit                                                | 0.00             | 0.00           | 0.00            | 0.00                                 |
| <b>NET ASSETS</b>                                                  | <b>8024.93</b>   | <b>9119.26</b> | <b>13677.86</b> | <b>30822.05</b>                      |
| <b>FINANCED BY:</b>                                                |                  |                |                 |                                      |
| Borrowings for working capital                                     | 0.00             | 1327.59        | 856.50          | 2184.09                              |
| Payments due on Capital Liabilities                                | 0.00             | 0.00           | 0.00            | 0.00                                 |
| <b>Current Liabilities</b>                                         | <b>2650.91</b>   | <b>4300.86</b> | <b>11509.20</b> | <b>18460.97</b>                      |
| Capital Liabilities                                                |                  |                |                 |                                      |
| Long term Provisions & Borrowings                                  | 0.00             | 345.39         | 7335.20         | 7680.59                              |
| Other Long term Liabilities                                        | 3262.75          | 3312.09        | 2904.33         | 9479.17                              |
| Funds from State Government                                        | 8.38             | 20.05          | 11.46           | 39.89                                |
| GOAP equity                                                        | 454.44           | 121.23         | 358.72          | 934.39                               |
| Contributions, Grants and Subsidies towards cost of Capital Assets | 876.37           | 2465.71        | 1983.04         | 5325.12                              |
| Reserve and Reserve Funds                                          | 223.34           | 114.88         | 314.43          | 652.65                               |
| Deferred Tax Liability                                             | 116.87           | 0.00           | 0.00            | 116.87                               |
| Surplus                                                            | 431.87           | (2888.54)      | (11595.02)      | (14051.69)                           |
| <b>TOTAL FUNDS</b>                                                 | <b>8024.93</b>   | <b>9119.26</b> | <b>13677.86</b> | <b>30822.05</b>                      |

**Consolidated Profit and Loss Account for the year 2015-16**

(Rs. in Crores)

| Particulars                                              | TRANSCO        | EPDCL           | SPDCL            | Total (D)        | Total (T+D)      |
|----------------------------------------------------------|----------------|-----------------|------------------|------------------|------------------|
| <b><u>A. Revenue</u></b>                                 |                |                 |                  |                  |                  |
| Revenue from sale of power                               | 0.00           | 7105.46         | 11604.52         | 18709.98         | 18709.98         |
| Transmission & SLDC Charges-Discoms                      | <b>723.40</b>  | 0.00            | 0.00             | 0.00             | 723.40           |
| Transmission & SLDC Charges<br>(Annual fee, Open Access) | 119.20         | 0.00            | 0.00             | 0.00             | 119.20           |
| Inter State Sale of Power / UI Charges                   | 0.00           | 199.85          | 364.32           | 564.17           | 564.17           |
| Capital Contributions                                    | 19.38          | 143.30          | 235.13           | 378.43           | 397.81           |
| Less:Electricity Duty                                    | 0.00           | 70.47           | 112.13           | 182.60           | 182.60           |
|                                                          | <b>861.98</b>  | <b>7378.14</b>  | <b>12091.84</b>  | <b>19469.98</b>  | <b>20331.96</b>  |
| Revenue Subsidies and Grants                             | 0.00           | 867.55          | 2318.45          | 3186.00          | 3186.00          |
| Other Income                                             | 105.61         | 550.71          | 518.38           | 1069.09          | 1174.70          |
| <b>Total Revenue:</b>                                    | <b>967.59</b>  | <b>8796.40</b>  | <b>14928.67</b>  | <b>23725.07</b>  | <b>24692.66</b>  |
| <b><u>B. Operating expenses:</u></b>                     |                |                 |                  |                  |                  |
| Purchase of power                                        | 0.00           | 7308.43         | 14436.96         | 21745.39         | 21745.39         |
| Transmission & SLDC charges                              | 0.00           | 239.88          | 483.52           | 723.40           | 723.40           |
| Operation & Maintenance Expenses                         | 126.93         | 99.32           | 265.37           | 364.69           | 491.62           |
| Employee costs                                           | 358.34         | 841.72          | 1507.84          | 2349.56          | 2707.90          |
| Administration & General Expenses                        | 42.19          | 95.16           | 228.35           | 323.51           | 365.70           |
| Depreciation                                             | 274.06         | 273.12          | 716.19           | 989.31           | 1263.37          |
| Incentive to HT consumers                                | 0.00           | 0.00            | 0.00             | 0.00             | 0.00             |
| Interest and Finance Charges                             | 253.18         | 453.01          | 954.22           | 1407.23          | 1660.41          |
| <b>sub-total</b>                                         | <b>1054.70</b> | <b>9310.64</b>  | <b>18592.45</b>  | <b>27903.09</b>  | <b>28957.79</b>  |
| <b>Less: Expenses Capitalised</b>                        |                |                 |                  |                  |                  |
| R&M, Employee costs, Adm, etc.                           | 97.74          | 60.77           | 106.93           | 167.70           | 265.44           |
| Interest and Finance Charges                             | 125.09         | 0.01            | 127.10           | 127.11           | 252.20           |
|                                                          | <b>222.83</b>  | <b>60.78</b>    | <b>234.03</b>    | <b>294.81</b>    | <b>517.64</b>    |
| Other debits (Misc.write offs etc.)                      | 0.47           | 18.38           | 0.00             | 18.38            | 18.85            |
| Expenditure on cyclone works (Net)                       | 0.00           | 0.00            | 0.00             | 0.00             | 0.00             |
| <b>sub-total</b>                                         | <b>0.47</b>    | <b>18.38</b>    | <b>0.00</b>      | <b>18.38</b>     | <b>18.85</b>     |
| <b>Extraordinary Items</b>                               | <b>2.91</b>    |                 |                  |                  |                  |
| <b>Total Expenditure</b>                                 | <b>835.25</b>  | <b>9268.24</b>  | <b>18358.42</b>  | <b>27626.66</b>  | <b>28459.00</b>  |
| <b>Contingency Reserve</b>                               | <b>0.00</b>    | <b>0.00</b>     | <b>2.55</b>      | <b>2.55</b>      | <b>2.55</b>      |
| <b>Net prior period Charges/(Credits)</b>                | <b>(1.60)</b>  | <b>0.00</b>     | <b>0.00</b>      | <b>0.00</b>      | <b>(1.60)</b>    |
| <b>Profit / (Loss) Before Tax</b>                        | <b>133.95</b>  | <b>(471.85)</b> | <b>(3429.89)</b> | <b>(3901.74)</b> | <b>(3767.79)</b> |
| <b>MAT Credit entitlement of earlier years</b>           | <b>28.59</b>   | <b>0.00</b>     | <b>0.00</b>      | <b>0.00</b>      | <b>28.59</b>     |
| Provision for Income Tax & FBT                           | 28.59          | 0.00            | 0.00             | 0.00             | 28.59            |
| Provision for Deferred Tax                               | 48.51          | 0.00            | 0.00             | 0.00             | 48.51            |
| <b>Profit / (Loss) After Tax</b>                         | <b>85.44</b>   | <b>(471.85)</b> | <b>(3429.89)</b> | <b>(3901.74)</b> | <b>(3816.30)</b> |
| <b>Net surplus (+)/loss(-)</b>                           | <b>85.44</b>   | <b>(471.85)</b> | <b>(3429.89)</b> | <b>(3901.74)</b> | <b>(3816.30)</b> |

Appendix -XV

**NET REVENUE AND APPROPRIATION ACCOUNT (T & D(EPDCL,SPDCL))**

(Rs. in Crores)

| <b>Particulars</b>                            | <b>Previous Year<br/>2014-15<br/>T &amp;D</b> | <b>This Year 2015-16<br/>T &amp;D<br/>(EPDCL,SPDCL)</b> |
|-----------------------------------------------|-----------------------------------------------|---------------------------------------------------------|
| <b>Balance brought forward from last year</b> | <b>(5816.55)</b>                              | <b>(9979.80)</b>                                        |
| Surplus/(Deficit) from Revenue Account        | (2349.53)                                     | (3816.29)                                               |
| Reserves & Surplus (On Demerger)              | (1810.89)                                     |                                                         |
| <b>CREDITS :</b>                              |                                               |                                                         |
| Transfer from General Reserve                 |                                               |                                                         |
| <b>APPROPRIATIONS :</b>                       |                                               |                                                         |
| Provision for Deferred Tax liability          |                                               |                                                         |
| Contingency Reserve                           | (2.83)                                        | (2.93)                                                  |
| Adjustment against accumulated losses         |                                               |                                                         |
| Contribution to Reserve and Reserve Funds     |                                               |                                                         |
| Sinking Fund for Repayment of borrowings      |                                               |                                                         |
| General Reserve                               |                                               |                                                         |
| Special safety Reserve                        |                                               |                                                         |
| <b>Balance carried forward</b>                | <b>(9979.80)</b>                              | <b>(13799.02)</b>                                       |

## A B B R E V I A T I O N S

| Sl.No | Abbreviation | Expansion                                      |
|-------|--------------|------------------------------------------------|
| 1     | APGPCL       | AP Gas Power Corporation Ltd                   |
| 2     | APGENCO      | AP Power Generation Corporation Ltd            |
| 3     | APTRANSCO    | Transmission Corporation of A.P.Ltd.           |
| 4     | B E          | Budget Estimate                                |
| 5     | B.H.E.L      | Bharat Heavy Electricals Ltd                   |
| 6     | B.S.S        | A.P.S.E.Board Sub-stations                     |
| 7     | C.E.A        | Central Electricity Authority                  |
| 8     | C.K.M        | Circuit Kilo Meters                            |
| 9     | C.L          | Connected/Contracted Load                      |
| 10    | C.M.D        | Contracted Maximum Demand (in KVA)             |
| 11    | C.W.C        | Central Water Commission                       |
| 12    | D.C          | Double Circuit                                 |
| 13    | Dist.        | District                                       |
| 14    | DISCOMS      | Distribution Companies                         |
| 15    | DSM          | Demand side management                         |
| 16    | DPE          | Detection of Pilferage of Energy               |
| 17    | E.H.T/E.H.V  | Extra High Tension/Extra High Voltage (>33 KV) |
| 18    | E.R.E.B      | Eastern Region Electricity Board               |
| 19    | F.O          | Furnace Oil                                    |
| 20    | H.E.S        | Hydro Electric Scheme                          |
| 21    | H.P          | Horse Power                                    |
| 22    | H.S.D/L.S.D  | High Speed Diesel/Low Speed Diesel             |
| 23    | H.T/H.V      | High Tension/High Voltage (6.6KV to 33 KV)     |
| 24    | H.V.D.C      | High Voltage Direct Current                    |
| 25    | HVDS         | High Voltage Distribution System               |
| 26    | IPP          | Independent Power Producer                     |
| 27    | I.D.C.       | Interest During Construction                   |
| 28    | KWH/Unit     | Kilo Watt Hour/Unit                            |
| 29    | K.V.A        | Kilo Volt Amperes                              |
| 30    | L.F          | Load Factor                                    |
| 31    | LILO         | Loop in Loop out                               |
| 32    | L.S.H.S      | Low Sulphur Heavy Stock                        |
| 33    | L.T          | Low Tension/Low Voltage (<=440V)               |
| 34    | LVDS         | Low Voltage Distribution System                |
| 35    | LNG          | Liquified Natural Gas                          |
| 36    | M.T          | Million Tonnes                                 |
| 37    | M.U.         | Million Units/Million Kilowatt Hours           |
| 38    | M.V.A.R      | Million Volt Amperes (Reactive)                |
| 39    | M.W          | Mega Watts                                     |
| 40    | N.A          | Not Available/Not Accounted for                |
| 41    | N.T.P.C      | National Thermal Power Corporation             |
| 42    | P.H          | Power House                                    |
| 43    | P.F.C.       | Power Finance Corporation                      |
| 44    | P.L.F.       | Plant Load Factor                              |
| 45    | R.B.D.D      | Reserve for Bad and Doubtful Debts             |
| 46    | R.E          | Rural Electrification, Revised Estimate        |
| 47    | R.E.C        | Rural Electrification Corporation Ltd          |
| 48    | R & M        | Renovation and Modernisation                   |
| 49    | R.T.S.S      | Railway Traction Sub-station                   |
| 50    | S.C          | Single Circuit                                 |
| 51    | S.P.V        | Solar Photovoltaic                             |
| 52    | S.R.E.B      | Southern Region Electricity Board              |
| 53    | SCADA        | Supervisory Control and Data Acquisition       |
| 54    | T & D        | Transmission and Distribution                  |
| 55    | T.M.C        | Thousand Million Cubic Feet                    |
| 56    | T.P.S/T.P.P  | Thermal Power Station/Thermal Power Project    |
| 57    | W.R.E.B      | Western Region Electricity Board               |