

**POWER DEVELOPMENT
IN
ANDHRA PRADESH
(STATISTICS)**

2016-17



**TRANSMISSION CORPORATION OF
ANDHRA PRADESH LIMITED**

CONTENTS			
Sl No	Table No	Particulars	Page No
1		SALIENT FEATURES	1-3
2		POWER DEVELOPMENT-PLAN-WISE	
	2.1	Progress under Five year Plans-Generation	4
	2.2	Progress under Five year Plans-Transmission & Distribution	5
	2.3	Progress under Five year Plans-Rural Electrification	6
	2.4	Progress under Five year Plans-Fixed Assets and Revenue	7
	2.5	Outlays on power development in A.P	8
3		SIXTH AND SEVENTH FIVE YEAR PLANS	
	3.1	Achievements in Sixth Five Year Plan-Financial (1980-81 to 84-85)	9
	3.2	Achievements in Sixth Five Year Plan-Physical (1980-81 to 1984-85)	10-11
	3.3	Achievements in Seventh Five Year Plan-Financial (1985-86 to 1989-90)	12
	3.4	Achievements in Seventh Five Year Plan-Physical (1985-86 to 1989-90)	13-14
4		ANNUAL PLANS 1990-91 & 1991-92 AND EIGHTH FIVE YEAR PLAN (1992 -97)	
	4.1	Annual Plan 1990-91 (Financial)	15
	4.2	Targets & Achievements in 1990-91 & 91-92 (Physical)	16
	4.3	Annual Plan 1991-92 (Financial)	17
	4.4	Achievement in Eighth Five Year Plan-Financial (1992-93 to 1996-97)	18-20
	4.5	Achievements in Eighth Five Year Plan-Physical (1992-93 to 1996-97)	21-22
5		NINTH (1997-2002),TENTH(2002-2007) AND ELEVENTH (2007-2012)&TWELFTH FIVE YEAR PLANS	
	5.1	Achievements In Ninth Five Year Plan -Financial (1997-98 To 2001-02)	23-24
	5.2	Achievements in Ninth Five Year Plan - Physical.	25-26
	5.3	Achievements in Tenth Five Year Plan -Financial (2002-03 To 2006-07). APTRANSCO	27
	5.4	Achievements in Tenth Five Year Plan - Physical	28
	5.5	Capacity Additions For 10th Plan (2002-2007)	29
	5.6	Capacity Additions/ Achivements/ Programme for 11th plan period (2007-08 to 2011-12)	30
	5.7	Achievements in 11th Five Year Plan - Physical	31
	5.8	Achievements in 11th Five Year Plan -Financial (2007-08 To 2011-12). APTRANSCO	32
	5.9	Proposed Capacity Additions in 12 th Plan Period	33
	5.10	Achievements in 12th Five Year Plan - Physical	34
	5.11	Achievements in 12th Five Year Plan - Financial AP TRANSCO	35
6		A.P.GENCO GENERATION	
	6.1	Pattern of Installed Capacity and Power Generation-Andhra Pradesh	36-38
	6.2	A.P.Progress in Installed Capacity-(1960-2014)	39-41
	6.3	Installed Capacity & Net Generation during 2016-17	42
	6.4(A)	Commissioning dates of Generating Units in State Sector	43
	6.4(B)	Commissioning dates of Generating Units in Joint & Central Sector	44
	6.4 (C)	Commissioning dates of Generating Units in private sector	45-58
	6.5	Station-wise Generation-Thermal (1971-72 to 2016-17)	59-60
	6.6	Station-wise Generation-Hydel (1971-72) To 2016-17)	61-62
	6.7	APSEB Generation, Purchase, Import & Export of Energy	63-64

CONTENTS			
Sl No	Table No	Particulars	Page No
	6.8	APSEB Sale of Energy and Line Losses (1972-1999)	65
	6.9	Performance of Vijayawada Thermal Power Station	66
6	6.10	Performance of Nellore Thermal Power Station	67
	6.11	Performance of Rayalaseema Thermal Power Station	68
	6.12	Performance of Thermal Units since commissioning (1965-66 to 2016-17)	69-75
	6.13	Thermal Power Stations-Fuel Particulars (1983-2017)	76-79
	6.14	Hydel Reservoir Particulars	80
	6.15	Year-wise storage and inflows (1983-2017)	81-82
	6.16	Generation Schemes cleared and ready for execution as on 31.03.2017	83
	6.17	Power Projects under construction progress as on 31.03.2017	84
	6.18.	Schemes under investigation as on 31.03.2017	85
	6.19	Estimated potential & Harnessed in Renewable Energy sources As on 31.03.2017	86
7	TRANSMISSION & DISTRIBUTION		
	7.0	Commissioning dates of E.H.V.Sub-stations.	87-92
	7.1	EHV Sub-stations commissioned during 2016-17	93
	7.2	33/11 KV Sub-stations commissioned during 2016-17	94
	7.3(A&B)	33 KV shunt capacitor Banks commissioned during 2016-17	95
	7.3 ©	33 KV shunt capacitor Banks commissioned from 1984-85 to 2016-17	96
	7.4	Augmentation of Transformer capacity at EHV Sub-stations in 2016-17	97-98
	7.5	Sub-stations District-wise as on 31.03.2017	99
	7.6	EHV lines commissioned during 2016-17	100-101
	7.7	Inter-State Transmission(energy) during 2016-17	102-103
	7.8(A)	AP TRANSCO Purchases of Energy	104-105
	7.8(B)	AP TRANSCO Sale of Energy and System losses	106
	7.8(C)	AP TRANSCO Energy Balance Sheet for 2016-17	107
	7.9	Category-wise services as on 31.03.2017 (Excluding RESCO's)	108
	7.9(A)	Category-wise services as on 31.03.2017(RESCOs)	109
	7.9(B)	Category-wise services as on 31.03.2017 (Including RESCO's)	110
	7.10	Inter State Transmission lines	111
	7.11	Growth of Consumers and connected load (1975 to 2017)	112-116
	7.12	Lines and Sub-stations-Year wise (1960-2017)	117-118
	7.13	Lines and Distribution Transformers as on 31.03.2017	119
	7.14	Power Restrictions (1977-2017)	120-122
	7.15	Theft of Energy (2001-2017)	123-124

CONTENTS			
Sl No	Table No	Particulars	Page No
8	RURAL ELECTRIFICATION		
	8.1	Rural Electrification as on 31.3.2017	125
	8.2	Hamlets, Dalit Wadas and Weaker Section Colonies (District-wise) electrified as on 31.03.2017	126
	8.3	Villages Electrified with SPV Panels-Replacement by conventional lines-District wise As on 31.03.2017	127
	8.4	Agricultural Pumpsets energised (District-wise) as on 31.03.2017	128
	8.5	Energisation of Agricultural Pumpsets Year Wise (1961-2017)	129
	8.6	REC Schemes as on 31.03.2017	130
	8.7	REC Schemes-Achievements (Physical) as on 31.03.2017	131
	8.8	REC Schemes-Loans sanctioned/Released (category wise)	131
	8.9	Accidents (1983-2017)	132
9	FINANCE		
	9.1	Pattern of Financing	133-135
	9.2	Abstract Balance Sheet as on 31.03.2017	136-137
	9.3	Revenue Receipts & Expenditure	138-140
	9.4	Percentage of Income and Expenditure (1983-84 to 2015-17)	142-144
	9.5(A)	Cost per unit sold at various voltages (2016-17)	145
	9.5(B)	Average Revenue Realisation (2017-18)	146
	9.6	Cost of Coal as on 31.03.2017(A.P.Genco)	147
	9.7	Cost of Oil as on 31.3.2017(A.P.Genco)	147
	9.8	Rates of power purchase	148-160
	9.9	Revenue from sale of Power (1983-84 to 2016-17)	161
	9.10	Sale of Energy Category wise (1970-71 to 2016-17)	162
	9.10(A)	Sale of Energy Category-wise, Annual Growth Rates (2016-17)	163-164
	9.11	Pattern of Electricity consumption (%)	165
	9.12	Arrears of Revenue (1982 to 2017)	166
	9.13	Electricity Tariff (2016-17)	167-169
10	PERSONNEL		
	10.1	Cadre Strength in APTRANSCO/A.P.Genco	170-171
	10.2	Man Power Details in APTRANSCO/A.P.Genco	172-173
	10.3	Details of Other than Workmen in APTRANSCO/A.P.Genco	174
	10.4	Details of Other than Workmen in DISCOMs	175
11	ALL INDIA STATISTICS		
	11.1	Region wise Installed Capacity of utilities	176
	11.2	Transmission and Distribution losses (%)	177
	11.3	Thermal Stations-Plant Load Factor	178
	11.4	Growth of Transmission sector	179
	11.5	Progress in Rural Electrification-All India	180
	11.6	Peak Demand and Deficit	181
	11.7	Power Supply and Shortages	182

CONTENTS			
Sl No	Table No	Particulars	Page No
	11.8	World Per Capita Consumption	183
	11.9	World Electricity losses	184
12	APPENDIX		
	I	System Demand and Load Factors of Grid for 2016-17	184c
	II	Growth of Max Demand and Energy Since Formation of AP Grid	185
	III	Length of 11kV and LT lines and Sale of Power Per KM of Length	186
	IV	Sub-Station wise PTR capacity and MVA	187
	V	Voltage wise PTR capacity and MVA	188
	VI	Distribution Transformers Capacity and MVA	189
	VII	Distribution Transformers and LT Sales per KVA since formation of AP Grid	190
	VIII	L.T. and H.T. Services and connected load from 1-4-2013 to 31-03-2017	191-193
	IX	Category wise Services as on 31-3-2017 (Incl Rescos)	194
	X	Discom wise Energy Sales (MU) during 2016-17	195
	XI	Percapita consumption All figures in Kwh (Units)	196
	XII	Scheme wise Capital Outlay for Transco for FY 2016-17	197
	XIII	Consolidated Balance Sheet for the year FY 2016-17	198
	XIV	Consolidated Profit and Loss Account for the year FY 2016-17	199
	XV	Net Revenue and Appropriation account (T & D) for 2016-17	200
ABBREVIATIONS			
GRAPHS			
	1	Growth of Installed capacity & Demand & Load factors (1975-2016) - A.P	86A
	2	Progress in Installed Capacity-A.P.	86B
	3	Energy Generation (1960-2016) - A.P.	86C
	4	APTRANSCO Energy Balance sheet for the year 2015-16	124A
	5	Electrification of Hamlets, Towns & Villages, Dalitwadas (1974-2016) A.P.	132A
	6	Agricultural Pumpsets in Service (1961-2016) - A.P.	132B
	7	Pumpsets Energised All India State wise & year wise.	183A
	8	Per Capita Consumption	183B

1. SALIENT FEATURES

SALIENT FEATURES OF APTRANSCO, APGENCO, and DISCOMs as on 31.03.2017

S.No.	I t e m	Unit	As on 31-03-2016	Achievement in 2016-17	As on 31-03-2017
1.	INSTALLED CAPACITY (AP Share)				
a)	State Sector				
1	Thermal	MW	2348.15		2348.15
2	Hydel	MW	1671.29	50	1721.29
3	Wind	MW	2.00	-2	0
4	Solar	MW	0.00	5.426	5.426
5	AP Power Development Corp.Ltd	MW	1600.00		1600
	TOTAL STATE SECTOR	MW	5621.44	53.426	5674.87
b)	Joint Sector				
1	Gas (A.P.G.P.C.L) Gov Share 58.8 MW *58.32%	MW	34.29		34.29
c)	Private Sector				
1	IPPs	MW	2329.49	520.00	2849.49
2	Mini Hydel*	MW	87.44		87.44
3	Wind*	MW	1613.64	2187.45	3801.09
4	Co-Generation (Biomass+ Biomass Co-generation & Bagasse Co-generation)(*)	MW	425.57	4.77	430.34
5	Mini power plants	MW	82.00		82.00
6	Others (Iso-gas Wells+Waste heat)	MW	67.20		67.20
7	Solar	MW	579.19	1295.76	1874.95
	TOTAL PRIVATE SECTOR	MW	5184.53	4007.98	9192.51
d)	Share from Central Sector				
1	N.T.P.C Ramagundam -(1-6)	MW	304.82	1.29	306.11
2	N.T.P.C Ramagundam -7	MW	76.43	0.3	76.73
3	N.T.P.C.Talcher Stage II (Units 3,4,5&6)	MW	193.2	0.23	193.43
4	Simhadri TPS (NTPC) -Stg 1	MW	461.1	0.01	461.11
5	Simhadri TPS (NTPC) -Stg 2	MW	211.9	0.1	212
6	Neyveli (Tamilnadu)stage-I	MW	49.72	0.32	50.04
7	Neyveli (Tamilnadu)stage-II	MW	89.57	0.49	90.06
8	Vallur Stage 1,2 & 3	MW	91.95	0.63	92.58
9	Tuticorin , Tamilnadu	MW	127.37	0.68	128.05
10	M.A.P.P (Tamilnadu)	MW	19.02	0.13	19.15
11	Kaiga Nuclear power plant I & II	MW	58.59	0.36	58.95
	Kaiga Nuclear power plant III & IV		62.28	0.36	62.64
	Kudankulam Unit1		50	-50	0
	TOTAL SHARE FROM CENTRAL SECTOR	MW	1795.95	-45.1	1750.85
	Grand Total (State + Private + Central)	MW	12636.21	4016.31	16652.52
2.	Length of Lines*				
a)	400 kV	Ckm	2891.84	714.95	3606.79
b)	220 kV	Ckm	9954.27	594.42	10548.69
c)	132 kV	Ckm	9784.47	306.96	10091.43
d)	33 kV	km	24639.19	164.29	24803.48
e)	11 kV	km	192080.66	25620.01	217700.67
f)	L.T.	km	296982.87	23586.17	320569.04
	TOTAL	Ckm	536333.30	50986.8	587320.10
3.	Sub-Stations :				
a)	400 kV	Nos.	6	4	10
b)	220 kV	Nos.	75	9	84
c)	132 kV	Nos.	180	11	191
d)	33 kV	Nos.	2728	38	2766
	TOTAL	Nos.	2989	62	3051
4.	Distribution Transformers	Nos.	635055		814078

(Contd.)

S.No.	I t e m	Unit	As on 31-03-2016 (Provl) AP Residuary	Achievement in 2016-17	As on 31-03-2017 (Provl)
5.	Electrification of Towns, Villages, Hamlets, etc. (As per 2001 census)				
	EXISTING				
a)	Towns	Nos.	195		195
		%	100%		100%
b)	Villages	Nos.	16158		16158
		%	100%		100%
c)	Hamlets	Nos.	23475		23475
	24001	%	97.81%		97.81%
d)	Dalitwadass	Nos.	36312		36312
	37402	%	97.09%		97.09%
e)	Weaker Section Colonies	Nos.	21725		21725
	22378	%	97.08%		97.08%
f)	Tribal Hamlets/ Habitations	Nos.	5264	543	5807
	6079	%	86.59%		95.53%
6.	Consumers served				
A)	L.T.Category				
a)	Domestic	Nos.	13176880	709086	13885966
b)	Non-domestic	Nos.	1173535	80988	1254523
c)	Industrial	Nos.	137934	6190	144124
d)	Cottage Industries	Nos.	16493	392	16885
e)	Agricultural (Including RESCOs)	Nos.	1581855	75403	1657258
f)	Public Lighting / Local Bodies	Nos.	95274	4935	100209
g)	General Purpose	Nos.	106975	4813	111788
h)	Temporary	Nos.	2483	286	2769
	L.T.Total (a to h)	Nos.	16291429	882093	17173522
B)	H.T.Total	Nos.	8348	610	8958
	Grand Total (A+B)	Nos.	16299777	882703	17182480
7.	Connected Load				
A)	L.T.Category				
a)	Domestic	MW	9686.07		10445.977
b)	Non-domestic	MW	2230.98		2426.16
c)	Industrial	MW	2092.597		2312.779
d)	Cottage Industries	MW	42.668		44.603
e)	Agricultural (Including RESCOs)	MW	7126.508		7627.073
f)	Public Lighting / Local Bodies	MW	403.98		450.634
g)	General Purpose	MW	128.39		136.512
h)	Temporary	MW	0.5		0.69
	L.T.Total (a to h)	MW	21711.693		23444.428
B)	H.T.Total	MW	5176.67		5860.589
	Grand Total (A+B)	MW	26888.363		29305.017
			During 2015-16		During 2016-17
8	Energy from APGENCO				
	1. Thermal	MU	22044.42		24728.76
	2. Hydel	MU	2441.01		2312.58
	TOTAL	MU	24485.43		27041.34
	Energy from others	MU	25902.23		28198.61
	Total Energy (8+9)	MU	50387.66		55239.95

(Contd.)

9	Energy Sales category-wise:		During 2015-16		During 2016-17
A)	L.T.Category				
a)	Domestic - I	MU	11343.15		12206.38
b)	Non-domestic - II	MU	2422.38		2573.34
c)	Industrial - III	MU	2280.29		2669.51
d)	Cottage - IV	MU	38.87		42
e)	Agricultural - V	MU	10629.02		11668.91
f)	Public Lighting - VI	MU	775.88		856.72
g)	General Purpose-VII	MU	136.64		146.42
h)	Temporary	MU	1.45		1.96
	L.T.Total	MU	27627.68		30165.24
B)	H.T.Recorded sales	MU	16267.9		17011.81
C)	Total (L.T + H.T)	MU	43895.58		47177.05
		MU			
10	Total Sales by Discoms including wheeling	MU	44439.19		48013.00
11	Transmission losses	%	3.37		2.92
12	Distribution losses	%	7.57		9.13
13	T & D Losses	%	10.56		11.65
14	Maximum demand during the year	MW	7391 (22/03/2016)		7965 (23-08-2016)
15	Per capita consumption	Kwh	987		1085
16	Revenue				
a)	By sale of Power	Rs. Crores	18709.98		20304.16
b)	By sale of Power-inter state	Rs. Crores	564.17		191.04
c)	Transmission,SLDC,/Miscellaneous/Others	Rs. Crores	2415.11		2768.09
d)	Subsidy/Grants	Rs. Crores	3186		3289.42
	Total (a+b+c+d)	Rs. Crores	24875.26		26552.71
17	Capital Expenditure (TRANSCO)	Rs. Crores	2148.45		2300.44

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	9198.06	3116.54	3561.89	15876.49	11972	240.82
26	As on 31.03.2013	9198.06	3428.97	3762.27	16389.30	11630	251.59
27	As on 31.03.2014	9198.06	3501.40	4017.87	16717.33	13162	261.45
28	As on 31.03.2015	4821.44 *	1712.73	7816.27	9529.00	6784	156.19
29	As on 31.03.2016	5621.44*	1795.95	5026.17	12443.56	7391	162.99
30	As on 31.03.2017	5709.16*	1750.85	9192.51	16652.52	7965	171.82

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	3307.9	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
26	13th plan (2016-17)	31.03.2017	4	9	11	0	38	62	715	594	307	0	164	25620	23586	50986

1) Gooty(20.8.75) and Bommur, Nellore & Shapur Nagar 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) as on	Distribution Transformers	Towns and Villages electrified	Hamlets electrified	Dalitwadass 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	16353	28611	36309	1509495
28	12 th plan (2015-16)	31.03.2016	635055	16353	28739	36312	1581855
29	12 th plan (2016-17)	31.03.2017	769642	16353	29282	36312	1657258

* 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 Fixed Assets	Accumulated 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
25	12 th plan (2016-17)	31.03.2017	26967.05	12280.57	26749.09
* From 1999-2000 ,A.P.TRANSCO + 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	2007-2012	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									
29	12th Plan	2016-17	2300.45									

@ Others S&I and Cyclone Reconstruction expenditure, AP Energy Efficiency project, AP Hazard Mitigation, APL1

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 Approved	1980-81 Expenditure	1981-82 Expenditure	1982-83 Expenditure	1983-84 Expenditure	1984-85 Expenditure	Total Expenditure
A)	PLAN							
	A.P.S.E.BOARD							
	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
	Total A.P.S.E.BOARD	520.73	114.12	120.58	114.13	105.24	143.26	597.33
B)	GOVERNMENT							
	Srisailem Project							
	Stages - I & II	93.32	21.94	29.18	26.34	38.00	20.19	135.65
	Payment to Orissa Government towards A.P's share of							
	Balimela Dam Project	5.00	2.00	3.00	--	--	--	5.00
	Total GOVERNMENT	98.32	23.94	32.18	26.34	38.00	20.19	140.65
I	TOTAL A+B (PLAN)	619.05	138.06	152.76	140.47	143.24	163.45	737.98
II	OUT SIDE PLAN							
	Rural Electrification		3.67	15.53	21.60	25.80	30.08	96.68
	Total Power Sector (PLAN +OUT SIDE PLAN) (I + II)		141.73	168.29	162.07	169.04	193.53	834.66

☆ 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
1	GENERATION							
I	State Sector:							
	Thermal							
	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
	Total Thermal	MW	210	0	-12.5	0	-55	142.5
	Hydel							
	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
	Srisailem Unit - I & II	MW	--	--	220	--	--	220
	Srisailem Unit - III	MW	--	--	--	110	--	110
	Srisailem Unit - IV	MW	--	--	--	--	110	110
	Total Hydel	MW	201.6	0	451.6	165	311.6	1129.8
	Total State Sector	MW	411.6	0	439.1	165	256.6	1272.3
II	Central Sector Share							
	Ramagundam STPS Unit - I	MW	--	--	--	54	--	54
	Ramagundam STPS Unit - II & III	MW	--	--	--	--	108	108
	Total Central Share	MW	0	0	0	54	108	162
	Total Capacity Addition	MW	411.6	0	439.1	219	364.6	1434.3
	Installed Capacity	MW	2303.2	2303.2	2742.3	2961.3	3325.9	

3.2 ACHIEVEMENTS IN SIXTH FIVE YEAR PLAN - PHYSICAL

S.No	Item	Unit	1980-81	1981-82	1982-83	1983-84	1984-85	Total
2	GENERATION & SALES							
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
3	TRANSMISSION & DISTRIBUTION							
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
	Sub-Total (a+b+c)	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
	Sub-Total (d to h)	KM	15660	13759	15506	15076	24777	84778
4	Distribution Transformers	No.	2826	2631	2819	2622	3125	14023
5	Services released	No.	185430	215388	291163	255801	330084	1277866
6	RURAL ELECTRIFICATION							
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 for 7th Five year Plan (1985-90)	1985-86 Expen- diture	1986-87 Expen- diture	1987-88 Expen- diture	1988-89 Expen- diture	1989-90 Expen- diture	Total Expen- diture for the 7th Five year Plan
A.	A.P.S.E.BOARD							
	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
	TOTAL APSEB PLAN	1054.90	152.32	173.60	198.93	218.81	218.32	961.98
B.	GOVERNMENT							
	Srisaillam Project	50.00	8.50	15.19	13.63	14.90	10.04	62.26
C.	P.F.C Loan :							
	a) Vijayawada TPS Stage-II	--	--	--	--	60.00	30.00	90.00
	b) Transmission	--	--	--	--	11.08	18.23	29.31
	TOTAL P F C LOAN	--	--	--	--	71.08	48.23	119.31
	TOTAL POWER SECTOR (A+B+C)	1104.90	160.82	188.79	212.56	304.79	276.59	1143.55
D.	OUTSIDE PLAN :							
	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
E.	R & M of K.T.P.S							
	with Central Assistance		3.18	6.82	14.80	4.66	0.50	29.96
	TOTAL CAPITAL EXPENDITURE (A+B+C+D+E)	1104.90	212.99	269.74	303.28	405.22	367.28	1558.51

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	State Sector								
1	Nagarjunasagar Pumped Storage HES Stage-III (3rd unit 100 MW)	MW	100.80	100.80	--	--	--	--	100.80
2	Srisaillam 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
	Total State Sector	MW	839.30	211.02	229.00	19.79	--	210.00	669.81
	Central Sector Share								
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
	Total Central Share	MW		40.00	32.00	65.00	278.00	140.00	555.00
	Total Capacity Addition	MW		251.02	261.00	84.79	278.00	350.00	1224.81
	Installed Capacity	MW		3576.92	3837.92	3922.71	4200.71	4550.71	5775.52

(Contd. ...)

3.4 ACHIEVEMENTS IN SEVENTH FIVE YEAR PLAN - PHYSICAL

S.No.	I t e m	Unit	Target for 7th plan approved by Plg.	1985-86	1986-87	1987-88	1988-89	1989-90	TOTAL
2	GENERATION & SALES								
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)	Units Sold :								
i)	Within the State	MU	--	10321	11770	11678	13059	14435	61263
ii)	Export	MU	--	538	301	214	146	193	1392
3	TRANSMISSION & DISTRIBUTION								
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
	Sub-Total (a+b+c)	No.	334	74	125	87 -2)(\$)	51 -3)(\$)	73 -3)(\$)	410 -8)(\$)
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
	Sub-Total (d-to-h)	Km		27428	26794	32061	28109	27215	141607
4	Distribution Transformers	No.		5106	5638	6699	7516	6650	31609
5	Services released (excluding Agriculture)	No.	1550000	242840	443285	416654	612406	437657	2152842
6	RURAL ELECTRIFICATION								
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)	Dalitwadas 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
I.	GENERATION		
a)	CONTINUING SCHEMES :		
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)	NEW SCHEMES :		
	Singur HES (2 x 7.5 MW)		
	Total Generation	188.16	18385.06
II.	UPRATING / R & M SCHEMES		
	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
III.	TRANSMISSION	72	7725.98
IV.	DISTRIBUTION & SYSTEM IMPROVEMENTS	78	6548.44
V.	RURAL ELECTRIFICATION	16	1629.88
VI.	SURVEY & INVESTIGATION	0.76	59.16
A	TOTAL PLAN (I TO VI)	361.31	35019.00
B	Cyclone Reconstruction Project		67.00
	GRAND TOTAL PLAN (A+B)		35086.00
	OUTSIDE PLAN		10858.33
	TOTAL (PLAN + OUTSIDE PLAN)		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
	TOTAL		8374.00

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
	Total State Sector	MW		240		1
II	Joint Sector					
	Vijjeswaram (Gas) Unit - I & II	MW		66		--
	Vijjeswaram (Gas) Unit - III			--		34
	Total Joint Sector	MW		66		34
	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
	Installed Capacity	MW		4901.71		4981.71
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

Rs. in lakhs

S.No.	Name of the Scheme	Capacity MW	PLAN PROVISION		Actual Expenditure
			Budget Estimate	Revised Estimate	
A.	NORMAL PLAN				
1.	Generation				
a)	Continuing Schemes				
1	Srisaillam 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	Srisaillam 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
	Sub - Total (a)		17323	18420	21367
	(P F C)				11115
b)	New Schemes				
1	Singur HES	2x7.5	100	12	5
	Sub - Total (b)				5
c)	Renovation Schemes				
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		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
	TOTAL PLAN (A+B)		39031	39332	41383
C.	Additionality (PFC)				15871
D.	OUTSIDE PLAN				10860
	Total A+B+C+D		39031	39332	68114

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	
a)	NORMAL PLAN							
I	GENERATION							
	ON-GOING SCHEMES							
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
	Sub Total (On going Schemes)	155999	37921	33154	55507	102068	72379	301032
			13418	16169	27377	39073	21724	117761

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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 +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			+17.00		
HYDEL PROJECTS :									
1	Machkund.		--	--	--	--	--	--	
2	Nizamsagar		--	--	--	--	--	--	
3	Srisaillam.		--	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 Provision	Actual Expenditure					Total
			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)	Unit	Proposed target for 8th plan	1992-93	1993-94	1994-95	1995-96	1996-97	Total for 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
	<i>Total Capacity Addition</i>	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),
ELEVENTH PLAN (2007-12)
AND
CAPACITY ADDITION PROGRAMME FOR
TWELFTH PLAN (2012-17)**

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
I	A.P.GENCO PLAN							
	Srisailem 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. Illrd 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
	Plan Total	1616.19	588.56	513.73	291.11	270.63	169.94	1833.97
II	ADDITIONALITY							
	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
	Srisailem 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 Srisailem	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
	Total Additionality	644.30	120.03	47.68	67.05	326.19	237.92	798.87
	TOTAL APGENCO (Plan+Additionality)	2260.49	708.59	561.41	358.16	596.82	407.86	2632.84

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5.1 ACHIEVEMENTS IN NINTH FIVE YEAR PLAN -FINANCIAL(1997-98 TO 2001-02)								Rs. In.Crs
Sl.No	Name of the Scheme	Ninth Plan	Actuals	Actuals	Actuals	Actuals	Actuals	Total
		Provision	1997-98	1998-99	1999-2000	2000-01	2001-02	9th plan
	APTRANSCO							
	PLAN							
I	TRANSMISSION (Normal)	321.58	69.29	59.28	86.66			215.23
	a)Srisailam 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
	Total plan(I)	1646.77	90.72	155.08	325.76	305.28	333.71	1210.55
	Additionality (PFC + OECF)(I)	1655.00	24.57	49.92	98.43	114.86	125.40	413.18
	Sub Total (I)	3301.77	115.29	205.00	424.19	420.14	459.11	1623.73
II	DISCOMS							
	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
	Sub Total (II)	3531.30	166.58	340.54	386.67	467.61	351.50	3182.03
	OUTSIDE PLAN (Transmission & Distribution)							
	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
	Total Outside Plan	925.00	27.51	64.03	104.35	37.88	23.44	257.21
	NON PLAN							
	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
	Total : Non-Plan		0.01	0.13	3.04	16.52	16.79	36.49
	Total APTRANSCO&DISCOMS (Plan +Additionality+Out-Side Plan + Non Plan)	7758.07	309.39	609.70	918.25	942.15	850.84	5099.46
	Grand Total for APGENCO+APTRANSCO +DISCOMS	10018.56	1017.98	1171.11	1276.41	1571.98	1318.49	6355.97
	Grand Total for APGENCO+APTRANSCO+DISCOMS (Plan+Additionality+Out-Side Plan + Non Plan)	10018.56	1017.98	1171.11	1276.41	1538.97	1258.70	7732.30

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	Generation								
1	APGenco								
1.a	Thermal:								
	Kothagudem TPS Stage V	MW	250	250	-	-	-		250
Total Thermal		MW	250	250				0	250
1.b	Hydel:								
	Srisaillam Left Bank	MW	900					300	300
	Singur Hydro project	MW	15			15			15
1.c	Mini hydel	MW					1		1
Total Hydel		MW	915	0	0	15	1	300	316
Total APGenco		MW	1165	250	0	15	1	300	566
2	Joint Sector								
	APGPCL-Vijjeswaram (W.Godavari)	MW		60	-	-	-		60
3	Private Sector								
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
Total Private Sector		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
Total Central Sector		MW		-12 (**)		57.5	57.5	500	615
Total Capacity Addition		MW	2765.2	514.7	68.5	162.96	470.85	1081.99	2299
5	Total Installed Capacity	MW		7283.60	7352.10	7515.06	7985.91	9067.90	
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)	Dalitwadass 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	
I	Transmission Plan							
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	
	Sub Total I	2904.47	362.62	248.01	415.38	358.18	499.46	
II.	Distribution Plan							
(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							
	Sub Total II	2295.23						
III	Additionality (Transmission & Distribution)							
(I)	OECF/REC	 2094.24						
(ii)	DFID/APL							
(iii)	APL-1							
	Sub Total III	2094.24						
IV.	Outside Plan							
(I)	Rural Electrification	 690.69						
(ii)	Distn. & Sys.Improvements							
(iii)	Cyclone Works							
(iv)	Release of Agl services & LI schemes							
	Sub Total IV	690.69						
	Grand Total	7984.63	1346.16	1495.63	1717.17	1621.68	2014.64	

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) (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 Hydrl(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.

5.6 Proposed Capacity Additions During 11th plan period (2007-08 to 2011-12)								
Sl. No.	Name of the Project	Capacity Envisaged (MW)	2007-08	2008-09	2009-10	2010-11	2011-12	Total 11th Plan
I	State Sector (APGENCO)							
	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
	Total State Sector	2163	249	39	1039	297	541.2	2165.2
II	Private Sector (Gas Based)							0
	GVK Extn-I	220			220			220
	Gautami Stage-I	464			464			464
	Konaseema	444.08			280	164.08		444.08
	Total Private Sector	1128.08	0	0	964	164.08	0	1128.08
III	Central Generating Stations							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 JLNNMS (Phase-I)						7.76	7.76
	Total CGS	455.17	108.53	0	85.32	-165.86	233.86	261.85
IV	Non-Conventional Projects (NEDCAP)	480.31	27.75	6.66	109.95	82.3	98.39	325.05
	Total Capacity Programmed in 11th plan	4226.56	385.28	45.66	2198.27	377.52	873.45	3880.18

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
I) 400 KV Schemes							
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
Sub-Total-I		107.82	93.85	206.81	203.84	446.68	1059.00
II) Construction Schemes							
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
Sub-Total-(II)		343.14	431.85	661.55	829.01	682.07	2947.62
III) Others							
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
Sub-Total-(III)		5.71	3.24	5.98	7.47	9.42	31.82
IV) Interest During Construction (IDC) Capitalised		25.39	26.97	32.57	52.03	82.92	219.88
Total Transmission		482.06	555.91	906.91	1092.35	1221.09	4258.32
1	Distribution	1754.42	1872.75	1942.43	1577.26	2147.81	9294.67
Total		2236.48	2428.66	2849.34	2669.61	3240.16	13424.25

**5.9 Capacity Additions During 12th plan period
(2012-13 to 2017-18)**

Sl. No.	Name of the Project	2012-13	2013-14	2014-15	2015-16	2016-17	Total 12th Plan
I	State Sector (APGENCO)						
1	Nagarjuna Sagar Tail Pond (2x25MW)					50	50
	Lower Jurala (6x40MW)						0
	Pulichintala (4x30MW)						0
	Polavaram (12x80MW)						0
	Vijayawada TPS Stage V (1x800 MW)						
	Rayalaseema TPP Stage IV Unit 6 (1x600 MW)						
	Kakatiya TPP Stage II (1x600 MW) Unit-2						
	Kakatiya TPP Stage III (1x800 MW) Unit-1						
	Kothagudem TPS Stage VII (1x800 MW)						
	Krishnapatnam TPP (JVP) Stage I (2x800 MW)			800			800
	Krishnapatnam TPP (JVP) Stage II (1x800 MW)				800		800
	Karimnagar Gas PP Stage I (1X700MW)						0
	Karimnagar Gas PP Stage II (2X700MW)						0
	Vodarevu Ultra mega power Project (5x800MW)						0
	Ramagundam TPS (2x660)						
	Srikakulam Thermal power plants(4x600)						0
	Solar					5.426	5.426
	Sub-Total State Sector	0	0	800	800	55.426	1650
II	Medium / Case-1 Bid						
	Corporate Power (MT)						
	KSK Mahanadi (MT)						
	East Coast Energy Pvt Ltd (Srikakulam)						0
	Thermal Power Tech Ltd.(Nellore)				230.55		230.55
	Krishnapatnam Power Corp.Ltd.(Nellore)						0
	Sub-Total	0	0	0	230.55	0	230.55
III	Private Projects						
	Hinduja Power Plant				520	520	1040
	Krishnapatnam Ultra Mega Power Project (2x800MW)						0
	Singareni						0
	UMPP Cheyyur						0
	Sub-Total	0	0	0	520	520	1040
IV	Non-conventional Projects						
	Wind	193.90	232.60	285.2	400.1	2187.45	3299.25
	Solar	2.00	23.00	72.7	435.49	1295.76	1828.95
	Mini Hydel						0
	Bio-Mass,Bagasse Co-generation,Industrial Waste,Municipal	4.48			7.5	4.77	16.75
	Sub-Total	200.38	255.60	357.90	843.09	3487.98	5144.95
V	Central Generating Stations						
	Kudigi (5x800)						0
	Vallur U-I, 500MW(JV of NTPC & Tamilnadu Energy co L	64.45	72.43				
	Tuticorin joint venture Plant						0
	Neyveli						0
	Kalpakam						0
	Pudimadaka						0
	Sirkali						0
	Bhutan Hydro						0
	Change in Central Share increased/Decreased			64.13		-45.105	
	Sub-Total	64.45	72.43	64.13	83.22	-45.105	0
	Total Capacity Addition in 12th plan	264.83	328.03	1222.03	2476.86	4018.30	8065.50

5.10 ACHIEVEMENTS IN 12th FIVE YEAR PLAN - PHYSICAL								
S No	ITEM	Unit	2012-13 Achievement	2013-14 Achievement	2014-15 Achievement	2015-16 Achievement	2016-17 Achievement	Total 12th Plan
1	Electricity Sales	MU	67604.18	73126.20	40429	44439	47177.06	272775.086
2(I)	Transmission Lines							
a)	400 kV	CKM	803.83	145	301.65	234.82	714.95	2200.245
b)	220 kV	CKM	295.5	470.75	242.74	456.24	594.42	2059.65
c)	132 kV	CKM	344.85	382.07	156.62	327.59	306.96	1518.09
2(II)	Sub-Stations							
a)	400 kV	Nos	1	1	0	0	4	6
b)	220 kV	Nos	8	3	0	4	9	24
c)	132 kV	Nos	5	17	3	12	11	48
d)	33 kV shunt capacitor banks	MVAR	5		0	21.6	144	170.6
e)	132 kV shunt capacitor banks	MVAR						0
3	Distribution & SI							
a)	33 KV Sub-stations	Nos	313	298	109	95	38	853
b)	Release of LT services other than agriculture	Nos	933550	845372	433342	608035	806690	3626989
c)	Release of HT Services	Nos	1570	1295	502	513	610	4490
4	Rural Electrification							
a)	Laying of conventional lines in villages already electrified with SPV Panels	Nos	0	0	0	0	0	0
b)	General Hamlets	Nos	75	0	0	0	0	75
c)	Electrification of Dalitwadass	Nos	0	7	87	3	0	97
d)	Electrification of Weaker section colonies	Nos	0	0	0	0	0	0
e)	Tribal Hamlets	Nos	0	10	47	128	543	728
f)	Energisation of Agricultural pumpsets	Nos	0	0	60828	72360	75403	208591

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
I) 400 KV Schemes							
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	10.83	223.64
6	Short Genstation Transmission Project-II	63.89	145.58	34.22	2.30	1.30	247.29
7	Vijayawada Power Tranmission 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		13.01	31.51
10	400 kV Krishnapatnam Transmission scheme	206.99	223.76	41.68	30.32	2.93	505.68
11	Rennovation & Modernisation scheme	35.86	33.41	13.13	24.36	9.22	115.98
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	138.07	313.31
14	Other Assets & Schemes		74.01	33.93	12.12	86.80	206.86
15	Wind Power Transmission Scheme			146.25	977.47	251.36	1375.08
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		36.88
19	Erection of 400/220KV SS at Podili,Prakasam Dt				4.67	112.95	117.62
Sub-Total-I		464.08	673.11	450.30	1427.92	626.47	3641.88
II) Construction Schemes							
1	Normal plan (AP Transco Funds)	4.36	38.80	6.84	151.20	263.78	464.98
2	Schemes under Bank funding	216.85	130.66	241.14	90.38	187.12	866.15
3	Schemes under PFC funding	35.83	41.92	56.56	99.79	259.54	493.64
4	Schemes under REC funding	54.39	60.02	57.77	92.69	447.52	712.39
5	DC/Bulk load works	46.05	62.21	5.81	41.73	133.86	289.66
6	GIS &UG Cable Project in HMDA Area	207.07	242.93				450.00
7	HNSS (BL&DC)			19.80	55.66	1.35	76.81
8	GKLI (BL&DC)			39.95	48.80	22.73	111.48
Sub-Total-(II)		564.55	576.54	427.87	580.25	1315.90	3465.11
III) Others							
1	Office Equipment	2.74	5.26	3.77	5.81	15.42	33.00
2	Furniture & Fixtures	0.17	0.45	0.41	0.22	0.18	1.43
3	Buildings	-0.40	2.08	0.28	0.06	9.87	11.89
4	Communication,Meter Testing,Misc equipment	2.26					2.26
5	Vehicles	3.56					3.56
6	Plant and Machinery			6.94	4.08	80.57	91.59
7	Advance to Suppliers			1.14	5.02	17.77	23.93
8	NABARD					19.45	19.45
9	CWIP					28.6	28.60
Sub-Total-(III)		8.33	7.79	12.54	15.19	171.86	215.71
IV) Interest During Construction (IDC) Capitalised		98.6	115.53	78.00	125.09	186.21	603.43
Total Transmission		1135.56	1372.97	968.71	2148.45	2300.44	7926.13

6.A.P.GENCO GENERATION

6.1 PATTERN OF INSTALLED CAPACITY IN ANDHRA PRADESH (1960-61 TO 2016-17)										
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
2016-17	MW	1721.29	3948.15	34.29	5.43	87.44	2958.53	6146.54	1750.85	16652.52
	%	10.34	23.71	0.21	0.03	0.53	17.77	36.91	10.51	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
		Hvdel	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 (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 (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

(contd.,)

6.1 PATTERN OF POWER GENERATION IN ANDHRA PRADESH (2014-15 TO 2016-17) STATE, PRIVATE AND CENTRAL SECTORS										
YEAR	UNIT	Energy State Sector		Gas	Wind	Solar	Private sector	Central Sector	Others	TOTAL
		Hydel	Thermal							
2014-15 (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	2118.29	177.41	3314.46	15300.89	4309.09	50387.66
	%	4.84	43.75	1.35	4.20	0.35	11.83	16.92	21.30	104.56
2016-17	MU	2312.58	24728.76	673.82	3184.78	1543.44	7362.60	14600.51	833.46	55239.95
	%	4.19	44.77	1.22	5.77	2.79	13.33	26.43	1.51	100.00

*ex-bus figures from sldc

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	Mini power	Solar	others	
									Bagasse	Bio-Mass	Projects	plants			
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

6.2 A.P - PROGRESS IN INSTALLED CAPACITY															
															(MW)
Year	APGENCO			Joint Sector Gas	Share from Central Sector	Private Sector								Total	
	Hydel	Thermal	Wind & Solar			Gas	Mini Hydel	Wind	Co-Generation		Bio-Mass	Mini power plants	Solar		others
									Bagasse	Bio-Mass	Projects				
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
2016-17	1721.29	3948.15	5.426	34.29	1750.85	1578.95	87.44	3801.09	203.95	55.14	171.25	82	1874.95	1338	16652.78

6.3 INSTALLED CAPACITY AND NET GENERATION IN 2016-17								
Sl.No	Name of the Power House	No.of Units x Capacity MW	Installed Capacity MW	Installed Capacity MW Share	Generation (ex-bus)during 2016-17	Auxiliary Consumption MU	Plant Load Factor %	Availability Factor %
I	THERMAL							
1	Vijayawada - I Unit 1	1 x 210	210.00	96.83	2267.48	143.85	75.19	92.18
	Vijayawada - I Unit 2	1 x 210	210.00	96.83		123.59	62.53	76.65
	Vijayawada - II Unit 3	1 x 210	210.00	96.83		142.58	80.86	94.64
	Vijayawada - II Unit 4	1 x 210	210.00	96.83	2446.88	117.06	67.35	78.51
	Vijayawada - III Unit 5	1 x 210	210.00	96.83		145.06	76.99	90.22
	Vijayawada - III Unit 6	1 x 210	210.00	96.83		152.83	78.09	93.60
	Vijayawada-IV	1x500	500.00	230.55	3357.90	183.36	80.85	93.73
2	R.T.P.P -I Unit 1	1 x 210	210.00	96.83	2404.37	139.90	69.49	83.17
	R.T.P.P -I Unit 2	1 x 210	210.00	96.83		155.71	77.28	91.74
	R.T.P.P -II Unit 3	1 x 210	210.00	96.83		127.53	74.21	89.10
	R.T.P.P -II Unit 4	1 x 210	210.00	96.83	2379.94	120.68	68.68	82.45
	R.T.P.P.Stg-3 Unit-5	1 x 210	210.00	96.83		147.93	75.23	91.93
3	SDS Thermal Power Project I & II, Krishnapatnam	1x800 1x800	1600.00	1600.00	8081.53	--	--	--
4	Share from TSTRANSCO			1052.45	--	--	--	--
	TOTAL			3948.14	24728.76	1700.08		
II.	HYDEL :							
	1. Machkund	3 x 17 3 x 23	✧ 84.00	38.73	366.30	--		
	2. T.B.H.E.S (T.B. Dam & Hampi)	4 x 9 4 x 9						
	3. Upper Sileru	4 x 60		240.00	339.23	0.70		
	4. Donkarayi	1 x 25		25.00	60.25	0.70		
	5. Lower Sileru	4 x 115		460.00	823.82	6.35		
	6. Srisaillam RBHS	7 x 110		770.00	638.31	4.17		
	7.Nagarjunasagar RC PH	3 x 30		90.00	6.48	0.64		
	8.Penna Ahobilam	2 x 10		20.00	12.84	0.23		
	9.Mini Hydro/33&11kv plants			1.00	2.16	0.01		
	10.Nagarjuna sagar Tail pond	2 x 25		50.00	--	0.15		
	TOTAL			1721.29	2312.58	12.95		
	11.Solar APGENCO			5.426				
III.	GAS (Joint Sector)							
	VGTS - I & II (Gov Share 58.8 * 58.32 %)	(2 x 33)	58.80	34.29	230.06			
		+1x34						
		(1x112)						
		+1x60			443.76			
	Total Gas				673.82			
IV.	Utilisation from Central Projects :			1750.85	14600.51			
V.	Captive Power Plants			--				
VI	Private Sector Generation			9192.52				
	1.IPPs				7362.60			
	2.Wind				3184.78			
	3.Solar				1543.44			
VII	Others				833.46			
	GRAND TOTAL (I TO VII)			16652.52	55239.95	1713.03		

(*) Data collected from EBC

✧ A.P.Share

**6.4 (A) COMMISSIONING DATES OF GENERATING UNITS
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	
3	Vijayawada	Unit-XI	500	230.55	26-06-2011	
		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	
4	Rayalaseema Stage -I	Unit-VII	500	230.55	06-04-2009	
		Unit-I	210	96.83	31.03.1994	
5	Rayalaseema Stage -II	Unit-II	210	96.83	25.02.1995	
		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*	17	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 Ahobilam	Unit-I	10	10	10.01.1994	
		Unit-II	10	10	23.01.1994	
10	Nagarjuna Sagar Tail Pond	Unit-I	25	25	05.01.2017	
		Unit-II	25	25	28.01.2017	
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	
			1797.60	1721.29		
IV. WIND FARMS						
1.	Ramagiri (ATP) Units each 200 kW/APGENCO**	10 Units	2.00	0.00	Dec,1994	
V. SOLAR						
1	Polavaram Right Canal		5.426	5.426	19.11.2016	
*AP share ** Plant closed.						
Total APGENCO				5674.87		

**6.4 (B) COMMISSIONING DATES OF GENERATING UNITS
IN JOINT AND CENTRAL SECTOR**

Sl.No.	Station	Details of Unit	Capacity in MW	Date of Commissioning
6.4(B) -1 COMMISSIONING DATES OF GENERATING UNITS IN JOINT SECTOR				
II.	GAS - Joint Sector			
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
Total Gas			34.29	
6.4(B) -2 SHARE FROM GENERATING UNITS IN CENTRAL SECTOR				
I	Thermal(Central Units with Capacity (MW))		share as on 31/03/2017	Date of Commissioning
1	RSTPS - Unit I - 200 MW		382.84	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		19.15	
	Unit II - 220 MW			
3	NLC Unit I - 210 MW		140.1	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		121.59	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		461.11	24.08.2002
	Unit II - 500 MW			
6	Simhadri Stage II Unit I - 500 MW		212	
7	Talcher Stage II Unit 3- 500 MW		193.43	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)		92.58	
9	Tuticorin, Tamilnadu 1x500 MW		128.05	
10	Kudankulam Unit1 1x1000		0	
Total Share from Central Sector			1750.85	
6.4 (C) COMMISSIONING DATES OF GENERATING UNITS IN PRIVATE SECTOR				
S.No.	Station	Details of Unit	share as on 31/03/2017	Date of Commissioning
I.	GAS			
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	Unit-I	520.00	03.07.2016
		Unit-II	520.00	
10	M/s Thermal Power tech		230.55	
TOTAL MW			2849.50	

6.4 (c) Commissioning Dates of Generating Units in Private Sector (Mini Hydel)						
Sl. No.	Name of the Company	Location	District	Capacity Connected to Grid	No. x Capacity KW	Date of Commissioning
	Mini Hydel (Capacity Under Power Purchase Agreement)					
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 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	Vizianagar am	2000	2000	17-7-2008
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

6.4 (c) Commissioning Dates of Generating Units in Private Sector (Mini Hydel)						
Sl. No.	Name of the Company	Location	District	Capacity Connected to Grid	No. x Capacity KW	Date of Commissioning
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, Ballary dt, Karnataka	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 Godavari	East Godavari	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
		Total Mini Hydel in MW		87.44		

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	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 Corprn. Ltd,	Ramagiri	Anathapuramu	5.00	30.09.95
16	A.P.S.Road Transport Corprn. 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	AugT98
28	Weizmann Ltd,	Tallimadugula	Anathapuramu	2.00	06.08.98
29	R C I Power Pvt. Ltd,	Kadavakallu	Anathapuramu	3.00	MarT 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	MarT 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	MarT 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	Vajrarakur	Anathapuramu	16.80	31.3.2012

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
66	Indian Oil Corporation Ltd	Vajrakarur	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	Vajrakarur	Anathapuramu	8.40	31.03.2012
76	Mytrah Vayu (Pennar) Pvt. Ltd	Vajrakarur	Anathapuramu	6.30	30.04.2012
77	Mytrah Vayu (Pennar) Pvt. Ltd	Vajrakarur	Anathapuramu	2.10	31.05.2012
78	Mytrah Vayu (Pennar) Pvt. Ltd	Vajrakarur	Anathapuramu	42.0	31.10.2012
79	Mytrah Vayu (Pennar) Pvt. Ltd	Vajrakarur	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	Vajrakarur	Anathapuramu	4.20	15.10.2013
108	Tirumala Cotton & Agro Products Ltd	Vajrakarur	Anathapuramu	2.10	17.12.2013
109	Hi-tech Systems & Services Ltd	Vajrakarur	Anathapuramu	4.20	28.03.2014
110	Woodside Fashions Limited	Vajrakarur	Anathapuramu	2.10	28.03.2014
111	En En Electrical Engineers Pvt Ltd	Vajrakarur	Anathapuramu	2.1	14.11.2014
112	Shantiram Wind Power Pvt Ltd	Vajrakarur	Anathapuramu	2.1	06.12.2014
113	Tirumala Cotton & Agro Products Pvt Ltd	Vajrakarur	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
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

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
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	Vajrakarur	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, Vajrakarur (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, Vajrakarur (M)	Anathapuramu	81.90	March 2016
179	Sandla Wind Projects Pvt Ltd	Vidapanakallu	Anathapuramu	18.90	20.05.2016
180	KCT Renewable Energy Pvt Ltd	Molagavalli,Kurnool Dt	Kurnool	20.40	14.07.2016
181	KCT Renewable Energy Pvt Ltd	Molagavalli, Kurnool Dt	Kurnool	18.70	14.07.2016
182	JED Solar Parks Pvt Ltd	Mallapuram	Ananthapur	24.00	23.07.2016
183	Poly Solar Parks Pvt Ltd	Idukal	Ananthapur	24.00	23.07.2016
184	Sandla Wind Projects Pvt Ltd	Vidapanakallu	Ananthapur	23.10	16.07.2016
185	Orange Uravakonda wind projects Ltd	Beluguppa	Ananthapur	14.70	28.07.2016
186	Ostro Ananthapur Pvt Ltd	Nimbagal(Paltur) Uravakonda(M)	Ananthapur	50.00	21.07.2016
187	Sandla Wind Projects Pvt Ltd	Vidapanakallu	Ananthapur	2.10	16.07.2016
188	Hetero Wind Power Pennar Pvt Ltd	Tirumalayapalli	Kadapa	10.50	19.06.2016
189	Hetero Wind Power Pennar Pvt Ltd	Tirumalayapalli	Kadapa	6.00	13.07.2016
190	Hetero Wind Power Pennar Pvt Ltd	Tirumalayapalli	Kadapa	24.00	21.08.2016
191	Ranganayaka Spinning Mills Pvt Ltd	Valasala(V)Dhone (M)	Kurnool	2.00	03.08.2016
192	Vasundhara Cotton mills Pvt Ltd	Valasala(V)Dhone (M)	Kurnool	2.00	03.08.2016
193	Jyotirmaye Textiles Pvt Ltd	Valasala(V)Dhone (M)	Kurnool	6.00	03.08.2016
194	Sterling Agro Industries Ltd	Nallakonda	Ananthapur	3.20	17.08.2016
195	ZR Renewable Energy Pvt Ltd	Talaricheruvu	Ananthapur	16.00	27.08.2016
196	Orange Uravakonda wind projects Ltd	Beluguppa	Ananthapur	18.90	09.08.2016
197	Orange Uravakonda wind projects Ltd	Beluguppa	Ananthapur	8.40	18.08.2016
198	Orange Uravakonda wind projects Ltd	Beluguppa	Ananthapur	6.30	20.08.2016
199	Orange Uravakonda wind projects Ltd	Beluguppa	Ananthapur	2.10	26.08.2016
200	Renew Wind energy Pvt Ltd	Elutla	Ananthapur	10.50	24.08.2016
201	Renew Wind energy Pvt Ltd	Elutla	Ananthapur	10.50	31.08.2016
202	Danu Wind Parks Pvt Ltd	chinnakolumalapalli	Kurnool	12.80	07.09.2016
203	Danu Wind Parks Pvt Ltd	chinnakolumalapalli	Kurnool	4.80	29.09.2016
204	Natco Power Pvt Ltd	chinnakolumalapalli	Kurnool	1.60	09.09.2016
205	Jai Bharat Gum & Chemicals	Vajrakarur	Ananthapur	2.10	20.09.2016
206	RBA Properties Ltd	Vajrakarur	Ananthapur	2.10	20.09.2016
207	Heritage foods Ltd	Vajrakarur	Ananthapur	2.10	20.09.2016
208	Orange Uravakonda wind projects Ltd	Beluguppa	Ananthapur	42.00	28.09.2016
209	Renew Wind energy Pvt Ltd	Elutla	Ananthapur	23.10	29.09.2016

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
210	Ostro Ananthapur Pvt Ltd	Honnura/Paltur	Ananthapur	22.00	30.09.2016
211	Atria Wind Power Pvt Ltd	Gangadevipalli	Kadapa	17.00	29.09.2016
212	Mytrah Vayu (Tungabhadra) Pvt Ltd	Aspiri	Kurnool	51.00	15.10.2016
213	Mytrah Vayu (Tungabhadra) Pvt Ltd	Aspiri	Kurnool	28.90	20.10.2016
214	Renew Wind energy Pvt Ltd (Shivpur)	Elutda	Ananthapur	10.50	13.10.2016
215	Ostro Ananthapur Pvt Ltd	Honnura/Paltur	Ananthapur	28.00	26.10.2016
216	Renew Wind Energy(Shivpur) Pvt Ltd	Elutda/Madugupalli	Ananthapur	10.50	08.11.2016
217	Renew Wind Energy(Shivpur) Pvt Ltd	Elutda/Madugupalli	Ananthapur	23.10	29.11.2016
218	Orange Uravakonda wind projects Pvt Ltd	Beluguppa	Ananthapur	8.40	30.11.2016
219	Sterling Agro Industries Ltd	Nallakonda	Ananthapur	4.00	21.12.2016
220	Danu Wind Parks Pvt Ltd	chinnakolumalapalli	Kurnool	4.80	26.12.2016
221	Tata Power Renewable Energy Limited	Honnura/Paltur	Ananthapur	40.00	27.12.2016
222	Renew wind Energy (Shivpur) Pvt Ltd	Elutda	Ananthapur	16.80	31.01.2017
223	Atria Wind Power Pvt Ltd	Gangadevipalli	Kadapa	8.50	06.01.2017
224	KCT Renewable Energy Pvt Ltd (Unit-I)	Molagavalli,Kurnool Dt	Kurnool	20.00	27.02.2017
225	KCT Renewable Energy Pvt Ltd(Unit-II)	Molagavalli,Kurnool Dt	Kurnool	20.00	27.02.2017
226	The KTM Jewellery Ltd	Nallakonda	Ananthapur	1.60	12.03.2017
227	TSSS Infotech & Infra Ltd	Nallakonda	Ananthapur	2.40	12.03.2017
228	Amrit Bottlers Pvt Ltd	Nallakonda	Ananthapur	0.80	29.03.2017
229	Saptagir Camphor Ltd	Nallakonda	Ananthapur	0.80	29.03.2017
230	Chaitanya Projects	Nallakonda	Ananthapur	0.80	29.03.2017
231	Sterling Agro Industries Ltd	Nallakonda	Ananthapur	1.60	29.03.2017
232	M/s Ostro Andhra Wind Pvt. Ltd	Maddelacheruvu	Ananthapur	50.40	23.03.2017
233	M/s Ostro Andhra Wind Pvt. Ltd	Rallaanathapuram	Ananthapur	50.40	23.03.2017
234	M/s Ostro Andhra Wind Pvt. Ltd	Maddelacheruvu	Ananthapur	48.30	28.03.2017
235	M/s Ostro Andhra Wind Pvt. Ltd	Rallaanathapuram	Ananthapur	48.30	28.03.2017
236	M/s. PTC Energy Limited	Kandimalayapalli	Kadapa	49.30	31.03.2017
237	M/s Fujin wind parks Pvt. Ltd.	Kandimalayapalli	Kadapa	46.00	31.03.2017
238	M/s Dindore Winds Pvt Ltd	Kandimalayapalli	Kadapa	9.20	31.03.2017
239	Mytrah Vayu (Tungabhadra) Pvt Ltd	Aspari	Kurnool	18.40	17.03.2017
240	Mytrah Vayu (Tungabhadra) Pvt Ltd	Aspari	Kurnool	50.60	25.03.2017
241	Mytrah Vayu (Krishna) Pvt Ltd	Burgula	Kurnool	1.60	30.03.2017
242	Enadu Television Pvt Ltd	Beluguppa	Ananthapur	2.10	26.03.2017
243	Ushodaya Enterprises Pvt. Ltd	Beluguppa	Ananthapur	6.30	10.03.2017
244	Ranmbhadra Industries Ltd	Beluguppa	Ananthapur	2.10	10.03.2017
245	Mayank Green Energy	Beluguppa	Ananthapur	2.10	10.03.2017
246	Hitech Systems & Services Ltd	Beluguppa	Ananthapur	8.40	10.03.2017
247	Hitech Systems & Services Ltd	Beluguppa	Ananthapur	4.20	10.03.2017
248	Enadu Television Pvt Ltd	Vajrakarur	Ananthapur	10.50	28.03.2017
249	Ushodaya Enterprises Pvt Ltd	Vajrakarur	Ananthapur	2.10	29.03.2017
250	Jai Bharath Gum & Chemicals Ltd	Vajrakarur	Ananthapur	4.20	28.03.2017
251	Rajasthan Gum Pvt Ltd	Vajrakarur	Ananthapur	4.20	28.03.2017
252	Arkas Energy LLP	Vajrakarur	Ananthapur	2.10	29.03.2017
253	Chimique (India)Ltd	Vajrakarur	Ananthapur	2.10	29.03.2017
254	Poonawalla Estate Stud & Agri Farm Pvt Ltd	Beluguppa	Ananthapur	4.20	22.03.2017
255	Villoos Greenfield farms	Beluguppa	Ananthapur	6.30	26.03.2017
256	Naukhal Investment Pvt Ltd	Beluguppa	Ananthapur	4.20	26.03.2017
257	Cyzachem Pvt Ltd	Beluguppa	Ananthapur	4.20	22.03.2017
258	Adurjee Bross Pvt. Ltd	Beluguppa	Ananthapur	14.70	25.03.2017
259	Cyrus Poonawalla Family	Beluguppa	Ananthapur	2.10	25.03.2017
260	Poonawalla Aviation Pvt. Ltd	Beluguppa	Ananthapur	6.30	25.03.2017
261	Chanda Investment & Trading Pvt. Ltd	Beluguppa	Ananthapur	4.20	25.03.2017
262	Poonwalla shares & Securities Pvt. Ltd	Beluguppa	Ananthapur	4.20	22-03-2017
263	Skeiron Renewable Energy Amidaya Ltd	Amidyala	Ananthapur	189.00	28.03.2017
264	Helios Infratech Pvt. Ltd	Bhadrapuram	Ananthapur	100.80	30.03.2017
265	Axis wind farm (Anantapuram) Pvt Ltd	MPR DAM	Ananthapur	31.50	30.03.2017
266	Renew wind Energy (Shivpur) Pvt Ltd	Elutda- Madupalli	Ananthapur	14.70	11.03.2017
267	Tata Power Renewable Energy Limited	Honnura/Paltur	Ananthapur	60.00	21.03.2017
268	NREDCAP	Molagavalli	kurnool	4.00	30.03.2017
269	PTC Energy Ltd	Molagavalli	kurnool	50.00	30.03.2017
270	Renew Wind Energy (AP 2) Pvt Ltd	Molagavalli	kurnool	46.00	30.03.2017
271	Vayu Urja Bharat Private Limited	Marimakulapalli	Ananthapur	70.00	31.03.2017
272	PTC Energy Ltd	Payalakuntla	YSR kadapa	40.00	31.03.2017
273	Daulat Financial Services Pvt Ltd, Kolkata	Tallimadugula, Kanaganapalli Mandal	Ananthapur	2.00	31.03.2017
274	HC Comeercial LTD, Kolkata	Tallimadugula, Kanaganapalli Mandal	Ananthapur	2.00	31.03.2017
275	Mangalam Fashions Ltd. Kolkata	Tallimadugula, Kanaganapalli Mandal	Ananthapur	2.00	31.03.2017
276	RSM Estates Ltd Kolkata	Tallimadugula, Kanaganapalli Mandal	Ananthapur	2.00	31.03.2017

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
277	Bommidala Enterprises Ltd. Guntur	Tallimadugula, Kanaganapalli Mandal	Ananthapur	2.00	31.03.2017
278	Sri KPR Infra & Projects Ltd, Hyderabad	Tallimadugula, Kanaganapalli Mandal	Ananthapur	2.00	31.03.2017
279	Amrit Bottlers Pvt Ltd	Tallimadugula, Kanaganapalli Mandal	Ananthapur	2.00	31.03.2017
280	Animala Wind Power Pvt Ltd	Animela(V)	YSR kadapa	54.00	30.03.2017
281	Axis wind fram (MPR DAM) Pvt Ltd	MPR DAM	Ananthapur	100.00	30.03.2017
282	Saipuram Wind Energies Pvt Ltd	Borampalli	Ananthapur	52.50	31.03.2017
283	Saipuram Wind Energies Pvt Ltd	Borampalli	Ananthapur	50.00	31.03.2017
284	Vibrant Greentech India Pvt Ltd	Rekulakunta Site (Kondakinda Agraharam & Reddipalli Village)	Ananthapur	4.25	29.03.2017
285	PTC Energy Ltd	Guntalakonda, Devanakonda Mandal	Kurnool	49.50	30.03.2017
286	Green Infra Wind Solutions Ltd	Kunkanuru, Devanakonda Mandal	Kurnool	49.50	30.03.2017
		TOTAL WIND POWER		3801.09	
	*Plant closed				

6.4 (c) Commissioning Dates of Generating Units in Private Sector					
Sl. No.	Name of the Plant	Location	District	Connected Capacity (in KW)	Commercial Operation Date
1	M/s Gautami Solvent Oils	Pydiparru, Tanuku	WG	2750	31.3.1996
2	M/s Jocil Ltd.	Dokiparru (V), 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, Pentapadu (M)	West Godavari	4000	19.12.2002
5	M/s Shree Papers Ltd., 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
7	M/s Sudha Agro & Chemical Industries Ltd.	Samalkot	East Godavari	4000	27.12.2000
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.,	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.,	Pamarru Mandal	Krishna	4000	26.10.2002
17	M/s Perpetual energy Systems Ltd	Appayyapet (V), Seethanagaram(M)	Vizianagaram	6000	23.3.2003
18	M/s Agri Gold Projects Ltd.	Dupadu Village, Tripurantakam (M)	Prakasam	6000	7.7.2003
19	M/s.B.Seenaiah & Co. (Projects) Ltd.	Suryapalem (V), 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 nd Project)	Gundlapalli (V), 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 Renegies 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) Tripurantakam(M)	Prakasam	8000	13.07.2008
26	M/s Jyothi Bio Energy Pvt. Ltd.	Gundlapalli(V), 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
28	M/s Roshini Powertech Pvt Ltd.	Ayyanki (V), Pamarru (M)	Krishna	6000	30.08.2001
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

		Total Bio mass Projects		171.25	
Biomass Co Generation Power Projects (Non-Bagasse)					
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	26/8/2003
34	Sri Ramadas Paper Boards (P) Ltd	East Godavari dist	East Godavari	4	27/6/2006
35	Surya Chandra Paper Mills Ltd	East Godavari dist	East Godavari	3	27/11/2007
36	Sri Satyanarayana Raw & Boiled Rice (P) Ltd	West Godavari dist	West Godavari	0.75	31/3/2008
37	Delta Paper Mills Ltd	West Godavari dist	West Godavari	9.9	1/12/2007
38	Sree Godavari Kraft Paper (p) Ltd	West Godavari dist	West Godavari	3	15/11/2008
39	Sri Gowthami Rice Industries Ltd	East Godavari dist	East Godavari	0.75	25/3/2009
40	Sirius Overseas Pvt. Ltd	East Godavari dist	East Godavari	9	4/1/2009
41	Seven Hills Papers (P) Ltd	East Godavari dist	East Godavari	1.2	25/2/2009
42	Sri Lalitha Enterprises Industries Ltd (Unit II	East Godavari dist	East Godavari	4.7	25/2/2009
43	Pallavi Enterprises, D.No.6-22, Enikepadu, Vijayawada, Rural, Krishna Dist	Enikepadu, Vijayawada, Rural	Krishna	2.5	10/2/2010
44	MGR Rice Industries, Polamuru, 533 342, Anaparthi Mandal, East Godavari dist	Polamuru	East Godavari	0.89	1/7/2013
45	Adilaxmi Industries, Vetapalem. Rly Station, East Godavari dist	Vetapalem	East Godavari	0.41	1/4/2014
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	1/12/2013
47	Nava Bharat Agro Products Limited, 8-2- 235, Road No.3, Banjara Hills, Hyderabad	Uppalameta	West Godavari	0.95	12/9/2014
48	M/s Ananda Enterprises (India) Pvt Ltd, 27-8- 21/3, Shivarao pet, Bheemavaram, West Godavari dist	Kothapusalamarru	West Godavari	2	1/4/2014
49	M/s Shree Gowthamee Rice Industries (P) Limited, Chelluru, Rayavaram Mandal, East Godavari dist	Cehlluru	East Godavari	0.58	1/2/2014
50	M/s Aroma Biotech Pvt Ltd, St. No. 237/I, Avapadu village, Nallajerla Mandal, West Godavari dist	Avapadu	West Godavari	2.2	12/5/2012
51	M/s. Vijaynagar Bio- Tech Ltd	Kotha Koperla (V), Pusapatiregu (M)	Vizianagara m	1.2	20/2/2013
52	M/s. Nava Bharat Agro Products Ltd, 8-2-235, Road No.3, Banjara Hills, Hyderabad	Uppalametta (V), Jangareddy gudem (M)	West Godavari	1	15/3/2015
53	M/s Veda Bio Fuel Pvt Ltd	Nadipalli(V) Pusapatirega(M)	Vizianagaram(Dt)	3	15/3/2016
54	M/S Shree Gowtami Rice Industries (P) Ltd	Chelluru(V) Rayavaram (M)	East Godavari(Dt)	0.88	1/6/2016
55	M/S Balaji Boiled & Raw Rice mill	Ramavaram (V) Jaggampet	East Godavari(Dt)	0.89	1/6/2016
Total Biomass Co Generation Power Projects (Non-Bagasse)				55.15	

6.4 (c) Commissioning Dates of Generating Units in Private Sector					
Sl. No.	Name of the Company	Location (District)	District	Connected Capacity (in MW)	Date of Commissioning
Bagasse Co-generation (Under Power Purchase Agreement)					
1	M/s Sagar Sugar & Allied Products Ltd.	Nilavoy (V) Srirangarajapuram Dist.APSPDCL	Chittoor	20	13.01.2003
2	M/s.KCP Sugar & Industries Corporation Ltd.	Vuyyuru (V&M), Krishna Dist.APSPDCL	Krishna	12	26.12.2005
3	M/s KCP Sugars & Industries Ltd.,	Lakshmipuram (V), Challapalli (M), Krishna Dist., APSPDCL	Krishna	5	17.01.2006
4	M/s Empee Power Projects Ltd	Nellore District	Nellore	20	12.03.2010
5	M/s GMR Technologies & Industries Ltd.	Sankili (V), R.Amadalavalasa (M)Srikakulam Dist. APEPDCL	Srikakulam	16	15.8.2001
6	M/s The Etikoppaka Co-operative Agricultural and Industrial Society Limited.	Daralapudi (V), S.Rayavaram (M), Visakhapatnam Dt.APEPDCL	Visakhapatnam	1.5	1.3.2001
7	M/s. The Chodavaram Co-operative Sugars Ltd.,	Govada (V), Chodavaram (M), Visakhapatnam Dt. APEPDCL	Visakhapatnam	7	6.04.2003
8	M/s.KBD Sugars (Formerly Shree Vaani Sugars & Industries) Limited	Mudipapanapalli (V)Punganur (M), Chittoor Dist.APSPDCL	Chittoor	6	08.08.2003
9	M/s The Jeypore Sugar Company Ltd.	Chagallu (V)& (M), West Godavari Dist.APEPDCL	West Godavari	12	11.12.2003
10	M/s Nava Bharat Ferro Alloys Ltd. (Deccan Sugars)	Samalkot, East Godavari Dt., APEPDECL	East Godavari	9	2 MW-7.2.99 7 MW-
Bagasse Co-generation (Under PWPAs)					
10	M/s Sudalagunta Sugars Ltd.	Mayuranagar (V) B.N.Kandriga Mandal Chittoor Dist.APSPDCL	Chittoor	5	09.06.1999
11	M/s The Andhra Sugars Ltd., Venkatarayapura, Tanuku, West Godavari Dist.	Sugar Unit-II, Tadwai, West Godavari Dist.,APEPDCL	West Godavari	7	21.01.1999
Bagasse Co-generation (Under Open Access and Capitive)					
12	M/s Sri Sarvaraya Sugars Limited	M/s Sri Sarvaraya Sugars Ltd., Chelluru, Rayavaram MD, East Godavari dist.	East Godavari	12.65	25.12.2008
13	M/s NCS Sugars Ltd	Lachayyapeta, Bobbili in Vizianagaram Dist	Vizianagaram	20	15.06.2007
14	Saritha Sugars Ltd, Prabhagiriapatnam (V) Podalkur (M) Nellore Dist	Prabhagiriapatnam (v) Podalkur(M) Nellore dist.	Nellore	6	00.04.2001
15	Krishnaveni Sugars Ltd, D.No.3-5-821, Doshi Square, Hyderabad	Ramakrishnapuram, West Godavari	West Godavari	28	19.10.2003
16	Jeypore Sugars Company Ltd (Unit II), Pothavaram, West Godavari dist. 534 176,	Pothavaram (V&MM) West Godavari	West Godavari	16.8	19.10.2003
Total Bagasse				203.95	MW
Waste Heat Recovery Co-Generation (Under Power Purchase Agreement)					
1	Rain Calcining Ltd. Vizag.	Rain Calcining Ltd	Visakhapatnam	41	21.05.1998
Total				0.04	
Industrial Waste Based					
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 Sarvaraya Sugars Ltd.	Chelluru	East Godavari	1000	25.06.2006

6.4 (c) Commissioning Dates of Generating Units in Private Sector					
Sl. No.	Name of the Company	Location (District)	District	Connected Capacity (in MW)	Date of Commissioning
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 Potheppally	East Godavari	1600	01.12.2010
12	M/s Redan Infrastructure Pvt Ltd	Kallupalli(V)	Chittoor DT	7500	4/6/2015
		Industrial Waste Based (Total) in MW		34.01	MW

6.4 (c) Commissioning Dates of Generating Units in Private Sector					
Sl. No.	Name of the Company	Location (District)	District	Connected Capacity (in MW)	Date of Commissioning
	Municipal Waste Based (Under PPAs)				
1	M/s Shriram Energy Systems Ltd.	Vijayawada	Krishna	6000	14.12.2003
2	Vijayawada Municipal corporation	Vijayawada	Krishna	150	11.11.2004
		Municipal Waste Total in MW		6.15	
	Isolated gas-wells				
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
		Isolated Gas Wells(Total) in MW		27.04	
	Solar Based			Connected Capacity (in MW)	
1	B.G. Channappa, Class-I, K.P.W.D Contractor	Manepalli	Ananthapur	4	22.04.2013
2	M/s Value Labs LLP	Maddimaduggu	Ananthapur	5	24.04.2013
3	M/s Emmvee Energy Pvt. Ltd	Manepalli	Ananthapur	10	04.05.2013
4	M/s KCP Ltd.	Muktyala	Krishna	1.15	06.06.2016
5	Sri city power	Chervi	chittoor	3	29.10.2013
6	M/s Ravali spinners	Tanuku	West Godavari	1	05.01.2014
7	M/s Trimax Sands Pvt. Ltd.	Vatsavalasa	Srikakulam	1	26.03.2014
8	M/s Solarays Eco energy inc	Beechiganipalli	Ananthapur	2	29.04.2014
9	Meda Sreedhar	Beechiganipalli	Ananthapur	2	29.04.2014
10	M/s Prakasha Motors	Beechiganipalli	Ananthapur	1	29.04.2014
11	M/s Prakasha Agencies	Beechiganipalli	Ananthapur	1	29.04.2014
12	M/s Emmvee Energy Pvt. Ltd	Beechiganipalli	Ananthapur	4	29.04.2014
13	M/s Andhra Sugars	Kovvuru	West Godavari	2.5	21.06.2014
14	M/s Indira Power Pvt Ltd	Karur(V),Tada(M)	Nellore	0.7	28.06.2014
15	M/s Savita Renewable Energy Pvt	Kamepalli	Guntur	1	19.01.2015
16	M/s Arkha Solar Power Pvt Ltd	Elakolanu	East Godavari	1	-01.2015
17	M/s Amaravathi Textiles Pvt Ltd	Atmakur	Nellore	5	31.03.2015
18	M/s Lakshmi Venkateswara Green Energy Pvt ltd.	Morasapudi, Nuziveedu(M)	Krishna	1	30.06.2014
19	M/s Abhedya Power Pvt Ltd.	Ubicherla	Ananthapur	2	08.08.2014
20	M/s Sri Vijaya Visakha Milk Producer	Malicherla (V)	Vizianagaram	1.65	11/27/2015
21	M/s Pragathi Group,, Chintalapudi (M)	Kanupade (V), urlagudem	W.G.Dist.	2	12/31/2015
22	Varshini Exim Pvt Ltd, Tirupati	Nagirimsdugu, Vayalapudu Mandal	chittoor	2.4	30.04.2015
23	Emmvee Energy Pvt Ltd Bangalore	Gowriganiipalli, Lepakshi Mandal	Ananthapur	5.4	17.07.2015
24	Vuddanda Solar Projects(P) Ltd	Chintamakulapalli(V), Sodum(M)	chittoor	3	01.10.2015
25	M/s Sai Achyut Energy Pv Ltd	Jagdurthy (V), Dhone(M)	Kurnool	5	18.10.2015
26	M.s Rajatatna Energy Holdings Pvt Lt	Maddimaduggu, Nallacheruvu(M), Kadiri Town	Ananthapur	5	22.11.2015
27	Amaravathi Textiles Pvt Ltd	Nellorepalem(V), Atmakur(M)	Nellore	5	28.11.2015
28	M/s GRT Jewellers (India) Pvt Ltd	Jammalabanda, Ananthpuram	Ananthapur	6	05.01.2016
29	M/s Bright Solar Energy Pvt Ltd	Jammalabanda, Ananthapuram	Ananthapur	10	05.01.2016
30	M/s Palnadu Solar Power Pvt Ltd	Inimella (V), Ipur(M)	Guntur	2.75	29.01.2016
31	M/s Palnadu Solar Power Pvt Ltd	Inimella (V), Ipur(M)	Guntur	2.25	31.03.2016
32	M/s Renew Solar Power Pvt Ltd	Adoni	Kurnool	39	04.03.2016
33	M/s Renew Solar Power Pvt Ltd	Tarupadu (V&M)	Prakasam	21	08.03.2016
34	M/s Welsun Renewable Energy Pvt	Balapur, Kadapa Dist	Kadapa	30	20.03.2016
35	M/s Ushodaya Enterprises Pvt Ltd	Vemulapadu & Titrallapalle(V),Yadiki(M),	Ananthapur	5	23.03.2016
36	M/s Azure Power India Pvt Ltd	Vemulapadu & Titrallapalle(V),Yadiki(M),	Ananthapur	50	28.03.2016
37	M/s Aarohi Solar (Acme Clean Tech Solutions) Ltd	Hindupur	Ananthapur	50	30.03.2016
38	M/s Welsun Renewable Energy Pvt	Banaganapalli	Kurnool	70	30.03.2016
39	M/s EAAMA Estates Pvt Ltd	GR Valasa	Vizianagaram	3	30.03.2016
40	M/s New Era Enviro Venures (Mehbubnagar) Pvt Ltd	Bandapalli(V), Ramapuram(M)	Kadapa	10	30.03.2016
41	First Solar Power India Pvt Ltd(Hindupur Solar Park Pvt. Ltd)	Beechiganipalli and Seagipalle(V), Parigi(M)	Ananthapur	40	31.03.2016
42	Acme Clean Tech (M/s Dayanidhi Solar Power Pvt Ltd)	Morasapudi, & Gunjarlapalli (V), Kuppam(M)	chittoor	40	31.03.2016

6.4 (c) Commissioning Dates of Generating Units in Private Sector					
Sl. No.	Name of the Company	Location (District)	District	Connected Capacity (in MW)	Date of Commissioning
43	Acme Clean Tech (M/s Vishwatma Solar Power Pvt Ltd)	Kadivella (V), Yemmiganur(M)	Kurnool	10	31.03.2016
44	Acme Clean Tech (M/s Niranjana Solar Power Pvt Ltd)	PUCHAKAYALA Mada(V), Pathikonda (M)	Kurnool	20	31.03.2016
45	ACME Clean Tech (M/s.Vishwatma Solar Energy Pvt.Ltd)	Kadivella Village Yemmiganur Mandal	Kurnool	20	15/4/2016
46	First Solar Power India Pvt Ltd	Punganur	Chittoor	20	9/5/2016
47	ACME Clean Tech (M/s.Jaisalmer Solar power Pvt.Ltd)	Rohukurupalli (V) Ravachoti,Ramapuram(M)	Cuddapah	20	12/5/2016
48	Waneep Solar Pvt Ltd	Marrimakulapalli(V) Guramkonda(M)	Chittoor	25	19/5/2016
49	First Solar Power India Pvt Ltd	Punganur	Chittoor	20	28/6/2016
50	Sumeru Energy Pvt Ltd	Jagadurthy(V) Dhone(M)	Kurnool	1	23/6/2016
51	SSR Agro Energy	Gajulapellore(V) BN Kandrikga (M)	Chittoor	1	9/4/2016
52	M/S Varshini Exim Pvt Ltd	Nagari Madugu-SS(V) Voalpadu(M)	Chittoor	1	4/8/2016
53	Visakhapatnam Port Trust	Visakhapatnam	Visakhapatnam	6.25	18/8/2016
54	Sri Jaya Jyothi Cements Pvt Ltd	Yanakandla (V) Banaganapalli(M)	Kurnool	1	24/8/2016
55	M/S SPROUTS Solar Energy Pvt Ltd	Pamulapadu	Kurnool	2	8/9/2016
56	M/S Ushodaya Enterprises	Tadimarri (V) & (M)	Ananthapur	5	22/9/2016
57	Sumeru Energy Pvt Ltd	Jagadurthy(V) Dhone(M)	Kurnool	4	22/9/2016
58	M/S VBC Renewable Energy Pvt Ltd	Garividi	Vizianagaram(Dt)	3	22/7/2016
59	M/S Narasimha Swamy Solar Generations Pvt Ltd	Peravali Singanamala (M)	Ananthapur	5	26/9/2016
60	M/S Yashwanth Solar Energy Pvt Ltd	Kothapalli Mudunuru (M)	Kadapa	1	1/10/2016
61	Repal Renewables Pvt Ltd	Thanakallu (V&M)	Ananthapur	4.9	19/11/2016
62	Sri Varahalakshmi Narasimha Swamy Devasthanam	Simhachalam	Visakhapatnam	1	3/2/2017
63	Tirumala Tirupati Devasthanams	Kasavaripalli (V) Thamballapalle (M)	Chittoor	3	2/2/2017
64	Kanti Brothers oils Pvt Limited	Kurnool	Kurnool	3	11/2/2017
65	Sri Chakra cements Projects Co Private Limited	Perindesam (V) KVB Puram (M)	Chittoor	2	9/2/2017
66	IFMR	Sri Kalahasti, Chithoor District	Chittoor	0.5	10/3/2017
67	SVR Corporation Pvt Ltd	Jillelmanda(V), KV Palli(M), Chotoor	Chittoor	2	15/3/2017
68	Nateems Green Energy Pvt Ltd	Thimmapuram SS, Kadiridevarapalli(V)_, Kambadar (M), Ananthapuram	Ananthapur	9.9	24/3/2017
69	GSL Educational Society	Mallampdui(V) & Tokanda (V) , Rajamandry, East Godavari District	East Godavari	1.5	31/3/2017
70	Cyber Village Solutions (P) Ltd	Yeleswaram (V&M)	East Godavari	2	31/3/2017
71	Repal Renewables Pvt Ltd	Thanakallu (V&M)	Ananthapur	5.1	31/3/2017
72	Nateems Green Energy Pvt Ltd	Garividi	Vizianagaram(Dt)	10	31/3/2017
73	Repla Renewables Pvt Ltd	Komitikuntla	Ananthapur	10	31/3/2017
74	B.G.Channappa, Class-I, K.P.W.D. Contractor	Gowriganipalli	Ananthapur	2	31/3/2017
75	Vyshaka Solar Energy System Pvt Ltd	Nuthanakaluva SS, MV Pali(V), KV Palli (M), Chittoor District	Chittoor	2	31/3/2017
				680.95	
Solar Based (GOI)					
76	M/s Sri City Power Ltd.	Varadaya Palem	Chittoor	2	18.03.2012
77	M/s Sri Power Generation India Pvt Ltd	Kotagallu, Kadiri(M)	Ananthapur	1	14.01.2012
78	M/s Sai Sudheer Energy Ltd.	T. Verapuram (V), Rayadurga(M)	Ananthapur	5	05.01.2012
79	M/s.Welspon Ltd	Pulivendula (V)	Kadapa	5	31.12.2011
80	M/s Amrit Jai Ventures Pvt. Ltd	Kotagullu, Kadiri(M)	Ananthapur	1	07.03.2012
81	M/s APIIC Limited.	Indusrial Park, Gooty	Ananthapur	1	15.03.2012
82	M/s Gajanan Financial Services Pvt. Ltd	Laddagiri (V)	Kurnool	1	14.03.2012
83	M/s Kishore Electro Infra Pvt. Ltd.	Perecherla (V) Guntur Rural	Guntur	1	13.03.2012
84	M/s Rithwick Projects Pvt. Ltd,	Kotagullu, Kadiri(M)	Ananthapur	2	25-04-2012
85	M/s Sai Sudheer Energy Ltd.	Kalyandurg	Ananthapur	20	26-4-2013

6.4 (c) Commissioning Dates of Generating Units in Private Sector					
Sl. No.	Name of the Company	Location (District)	District	Connected Capacity (in MW)	Date of Commissioning
86	M/s Rithwick Projects Pvt. Ltd,	Kotagullu, Kadiri(M)	Ananthapur	3	5/7/2013
87	M/s MEIL Green Power	Nagalapuram	Ananthapur	50	04.11.2014
88	M/s New & Renewable Energy Development Corpn of AP Ltd (NREDCAP)	Gollavanitippa, Bhimavaram Rural (M)	West Godavari	0.39	30/03/2016
89	NTPC	NP Kunta	Ananthapur	200	15/4/16
90	NTPC	NP Kunta	Ananthapur	50	29/7/16
91	M/S New & Renewable energy development Corp of AP Ltd	Gollavanitippa Bhimavaram Rural(M)	West Godavari	0.608	7/7/16
92	APGENCO	Polavaram right canal,Gollagudem(V),Unguturu(M)	West Godavari	5.426	19/11/16
93	SBG Cleantech ProjectCo Pvt Ltd	Kurnool ultra mega solar park	Kurnool	182	27/2/17
94	SSR Agro Energy	Kandriga, Chittoor District	Chittoor	1	15/3/17
95	SBG Cleantech ProjectCo Pvt Ltd	Kurnool ultra mega solar park	Kurnool	68	22/3/17
96	SBG Cleantech ProjectCo Pvt Ltd	Kurnool ultra mega solar park	Kurnool	100	29/3/17
97	Greenko Energy Group (sunEdison Projects)	Kurnool ultra mega solar park	Kurnool	500	31/3/17
				1199.424	
		Solar (Total) in MW		1880.374	
	Mini Power Plants				
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				16652.52	

6.5 STATION WISE GENERATION - THERMAL (1971-72 TO 2014-15)

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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 RTPP	G.T.S Erragadda	Kakaitya	Krishnapatnam	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	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	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
				**	**	**	**	**		9553.27	5294.22	**	**	1380.99	16228.48

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

6.5(A) GAS BASED STATION (VIJESWARAM) GENERATION MU (JOINT SECTOR) 1990-91 TO 2014-15							
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 2016-17)

S.No.	Year	VTPS	R.T.P.P RTPP	Krishnapatnam	TOTAL in MU *
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
3	2016-17	10627.3	6019.93	8081.53	24728.76

6.5(A) GAS BASED STATION (VIJESWARAM) GENERATION MU (JOINT SECTOR) 2014-15 TO 2016-17

S.No	Year	VJSM Stage - I	VJSM Stage -II Commissioned on 31-03-1997
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
3	2016-17	230.06	443.76

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

6.6 STATION WISE GENERATION - HYDEL (1971-72 TO 2015-16)

MU

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

6.6 STATION WISE GENERATION - HYDEL (2015-16 to 2016-17)

MU

Sl. No	Year	Machkund	T.B.Dam &Hampi	Upper Sileru	Lower Sileru	Nagarjun a sagar RCPH	Nagarjun a sagar Tail pond HES	Srisaillam (RBHS)	Donkarayi	Penna ahobilam	Mini Hydel 11kV & 33kV	Total
1	2015-16	297.27	97.82	508.85	1236.40	0.00	**	207.70	116.54	7.12	2.00	2473.70
2	2016-17	372.40	64.51	339.70	830.20	6.70	11.90	638.40	60.64	12.90	2.20	2339.55

*As per data received from APGENCO

6.7 GENERATION, PURCHASE, IMPORT AND EXPORT OF ENERGY												
Generation (Gross), Purchases, imported and wheeled												
Year	Hydel	Thermal	Total	NTPC+MAPP + Kaiga+Neyveli	Karnataka	Tamil Nadu	Orissa	M.P / GEB/PSEB /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
2016-17	2312.58	24728.76	27041.34									27041.34

☼ 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
2016-17*	22420	1713	20707								20707

* 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	32.04	880.00
1997-98	36357.51	24309.11	27.61	24336.72	12020.79	33.06	694.65
1998-99	38720.01	23982.4	24.00	24006.40	14713.61	38.06	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	2016-17
1.	Units Generated	MU	10228.07	10283.63	10164.27	9851.05	9754.94	9953.95	9765.44	10340.94	#####	12408.14	14159.09	13410.51	12833.42	12704.85	12066.23	11654.38
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	1008.32
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	8.65
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	7828.36
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	805.13
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	89.36
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	75.59
10.	KWH / KW		8118	8162	8067	7818	7742	7900	7750	8207	7704	7050	8045	7620	7292	7219	6856	6622

6.10 PERFORMANCE OF NELLORE THERMAL POWER STATION

3.10 PERFORMANCE OF NELLORE THERMAL POWER STATION								
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	2016-17
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	6712.60
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	691.75
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	10.31
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	7680.38
5.	Planned maintenance	} Hrs	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	535.36
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	87.68
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	72.98
10.	KWH / KW		8099	7985	5645	7842	7010	8026	7591	8178	7691	7326	6721	6822	6945	6393

**6.12 PERFORMANCE OF THERMAL UNITS SINCE COMMISSIONING
(1965-66 TO 2014-15)**

Station/Unit	Capacity MW	1965-66		1966-67		1967-68		1968-69		1969-70		1970 - 71	
		Gen MU	PLF %	Gen MU	PLF %	Gen MU	PLF %	Gen MU	PLF %	Gen MU	PLF %	Gen. MU	PLF %
KTPS `A`													
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
Station	240	--	--	307.98	35.35	872.06	34.72	991.39	47.15	923.74	43.93	1165.54	55.45
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

Contd ..

6.12 PERFORMANCE OF THERMAL UNITS SINCE COMMISSIONING

Station Unit	Capa- city MW	1971 - 72		1972 - 73		1973 - 74		1974 - 75		1975 - 76		1976 - 77		1977-78	
		Gen. MU	PLF %	Gen. MU	PLF %	Gen. MU	PLF %	Gen. MU	PLF %	Gen. MU	PLF %	Gen. MU	PLF %	Gen MU	PLF %
KTPS `A'															
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
KTPS `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
KTPS `C'															
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/ Unit	Capa- city MW	1978-79		1979-80		1980-81		1981-82		1982 - 83		1983 - 84		1984 - 85	
		Gen MU	PLF %	Gen MU	PLF %	Gen MU	PLF %	Gen MU	PLF %	Gen MU	PLF %	Gen MU	PLF %	Gen MU	PLF %
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

Contd ..

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
		1060.23													
KTPS															
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	Contd ..														

6.12 PERFORMANCE OF THERMAL UNITS SINCE COMMISSIONING

Station	Capa- city (MW)	1992 - 93		1993 - 94		1994 - 95		1995 - 96	
		Gen MU	PLF %	Gen MU	PLF %	Gen MU	PLF %	Gen MU	PLF %
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-1X(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 } 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 MW Units	(Contd.,)								

6.12 PERFORMANCE OF THERMAL UNITS SINCE COMMISSIONING																											
Station	Capacit y 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 MU	PLF %	Gen MU	PLF %	Gen MU	PLF %	Gen MU	PL F %	Gen MU	PL F %	Gen MU	PLF %	Gen MU	PLF %	Gen MU	PL F %	Gen MU	PL F %	Gen MU	PL F %	Gen MU	PLF %	Gen MU	PLF %	Gen MU	PLF %
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 MW	2015-16		2016-17	
		Gen MU	PLF %	Gen MU	PLF %
NTTPS					
Unit-I	210	1446.67	78.43	1383.28	75.19
Unit-II	210	1464.57	79.40	1150.39	62.53
Unit-III	210	1562.19	84.69	1487.51	80.86
Unit-IV	210	1616.36	87.62	1239.01	67.35
Unit-V	210	1465.27	79.43	1416.36	76.99
Unit-VI	210	1503.64	81.51	1436.57	78.09
Unit-VII	500	3007.53	68.48	3541.26	80.85
STATION	1760	12066.23	78.05	11654.38	75.59
RTPP					
RTPP-Unit-I	210	1489.08	80.72	1278.34	69.49
RTPP-Unit-II	210	1421.43	77.06	1421.64	77.28
RTPP-Unit-III	210	1471.56	79.78	1365.21	74.21
RTPP-Unit-IV	210	1483.34	80.41	1263.48	68.68
RTPP-Unit-V	210	1427.29	77.37	1383.93	75.23
STATION	1050	7292.70	79.07	6712.60	72.98
TOTAL THERMAL	2810	19358.93	78.43	18366.98	74.62

6.13 THERMAL POWER STATION-FUEL PARTICULARS

Year	Station	Generation	Coal	Coal	Coal	Oil	Consumption\KWH		C.V. of	Heat rate
			Linkage	received	Consumption	Consump-			Coal	
		(MU)	(Million Tonnes)	(Million Tonnes)	(Million Tonnes)	tion (KL)	Coal(KG)	Oil (ml)	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)		
1982-83	VTPS	2912	2.23	1.71	1.77	8606.00	0.61	2.95		
	KTPS	2090	2.49	1.76	1.83	69079.00	0.87	33.05		
	RTS `B'	424	0.31	0.25	0.27	2068.00	0.64	4.88		
	NTS	76	0.08	0.05	0.06	1485.00	0.76	19.49		
1983-84	VTPS	3106	2.50	1.98	1.94	6922.00	0.63	2.93		
	KTPS	2243	2.71	1.92	2.03	39741.00	0.90	17.71		
	RTS `B'	399	0.36	0.26	0.26	1061.00	0.64	2.67		
	NTS	146	0.24	0.11	0.11	1518.00	0.79	10.41		
1984-85	VTPS	2847	2.37	1.85	1.77	3241.00	0.62	1.14		
	KTPS	2590	2.82	2.29	2.37	15316.00	0.91	5.91		
	RTS `B'	274	0.42	0.18	0.18	833.00	0.66	3.03		
	NTS	117	0.24	0.09	0.10	979.00	0.81	8.34		
1985-86	VTPS	3270	2.40	1.98	1.95	3020.00	0.60	0.92		
	KTPS	2890	3.00	2.47	2.53	18357.00	0.86	6.35		
	RTS `B'	493	0.41	0.34	0.33	686.00	0.66	1.39		
	NTS	119	0.24	0.09	0.10	879.00	0.82	7.38		
1986-87	VTPS	3326	2.37	2.10	2.16	4684.00	0.65	1.41		
	KTPS	3353	3.06	2.64	2.96	17382.00	0.88	5.18		
	RTS `B'	436	0.39	0.28	0.28	555.00	0.65	1.27		
	NTS	167	0.24	0.14	0.15	968.00	0.88	5.79		
1987-88	VTPS	3412	2.52	2.22	2.24	1746.00	0.66	0.51		
	KTPS	4010	4.02	3.48	3.54	11591.00	0.88	2.89		
	RTS `B'	391	0.42	0.29	0.30	937.00	0.77	2.40		
	NTS	173	0.25	0.15	0.16	1000.00	0.90	5.77		
1988-89	VTPS	3103	2.52	2.10	2.05	2965.00	0.66	0.95		
	KTPS	3605	3.84	3.50	3.21	10533.00	0.89	2.92		
	RTS `B'	390	0.42	0.29	0.29	936.00	0.73	2.40		
	NTS	165	0.25	0.16	0.16	973.00	0.95	5.89		
1989-90	VTPS	3375	2.26	2.31	2.39	10467.00	0.71	3.10		
	KTPS	3454	2.66	2.32	3.05	12714.00	0.88	3.68		
	RTS `B'	251	0.42	0.15	0.18	445.00	0.70	1.78		
	NTS	142	0.23	0.14	0.14	1097.00	0.99	7.73		
1990-91	VTPS	4699	3.66	3.24	3.36	8848.00	0.71	1.91		
	KTPS	2941	3.19	2.50	2.59	13862.00	0.88	4.71		
	RTS `B'	400	0.48	0.26	0.28	1190.00	0.70	2.98		
	NTS	62	0.18	0.06	0.06	380.00	1.05	6.14		
1991-92	VTPS	5315	4.92	3.72	3.79	10091.00	0.91	1.90		
	KTPS	2981	3.48	3.18	3.02	14273.00	1.01	4.79		
	RTS `B'	310	0.42	0.23	0.23	919.00	0.74	2.97		
	NTS	121	0.18	0.13	0.13	1430.00	1.05	11.85		
1992-93	VTPS	5659	4.59	4.15	4.11	7196.00	0.73	1.27		
	KTPS	3132	3.33	3.37	3.27	17921.00	1.04	5.72		
	RTS-B	221	0.36	0.19	0.16	1719.00	0.74	7.79		
	NTS	103	0.17	0.14	0.13	1687.00	1.22	16.44		
1993-94	VTPS	5909	4.83	4.15	4.22	8562.00	0.71	1.45	3498	2493
	KTPS	3259	3.36	3.46	3.66	15638.00	1.12	4.80	3162	3582
	RTS-B	361	0.33	0.25	0.27	1831.00	0.74	5.08	3589	2710
	NTS	110	0.18	0.13	0.13	1771.00	1.16	16.10	2670	3307
1994-95	VTPS	7318	5.65	5.22	5.25	25011.00	0.72	1.36	3429	2473
	KTPS	3057	3.51	3.35	3.38	9940.00	1.12	6.47	2925	3402
	RTS `B'	354	0.33	0.26	0.24	1629.00	0.70	4.61	3803	2768
	NTS	91	0.14	0.10	0.08	1136.00	1.03	12.47	3292	2912

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 KCal/Kg	Heat rate KCal/Kwh
			Linkage (Million Tonnes)	receipts (Million Tonnes)	Consumption (Million Tonnes)	Consumption (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	2.22	1662	0.68	0.50	3447	2334
	RTS`B'	330.66		0.37	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	17412	0.70	1.28	3281	2325
	RTS`B'	503.01		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	5218	0.70	0.77	3230	2268
	RTS`B'	467.35		0.32	0.35	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	3325	0.69	0.52	3289	2278
	RTS`B'	512.18		0.32	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	2830	0.74	0.83	2980	2210
	RTPP	6255.32		4.75	4.33	8844	0.69	0.81	3245	2257
	RTS`B'	469.91		0.30	0.32	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	0.69	0.97	3226	2251
	RTPP	8075.76		5.49	5.12	13449	0.68	1.67	3353	2294
2012-13	RTS`B'	452.70		0.30	0.32	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
2016-17	RTPP	7292.70	-	5.75	5.35	5888	0.73	0.81	3127	2300
	Dr NTTPS	11654.38	8.31	8.697	8.936	7521	0.76	0.65	3175	2431
2017-18	RTPP	6712.60	5.76	4.439	4.696	3938	0.70	0.59	3270	2293

MT=Million Tonnes

6.14 HYDEL RESERVOIR PARTICULARS

S.No.	Name of the Reservoir	F.R.L. Level in Ft.	MDDL Ft	F.R.L. Storage TMC Ft.	Live Storage at F.R.L in T.M.C. ft.	Storage equivalent in MU
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.	Srisaillam	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					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	1455.3	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	
2016-17	802.90	1.46	341.13	105.76 (RBPH)	
DATA OF JALAPUT RESERVOIR					
2014-15	2736.55	20.55	36.13	44.80	
2015-16	2730.60	16.48	43.62	39.74	
2016-17	2730.10	16.14	43.61	50.42	
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
2016-17	1480.5	38.4	72.29	51.93	56.7

6.16 (A). GENERATION SCHEMES CLEARED AND READY FOR EXECUTION AS ON 31-03-2017

S.No.	Name of the Scheme	Location (District)	Capacity No. x MW	Estimated Cost (Rs.Cr.)	Remarks
State Sector (Hydro)					
1	Polavaram HEP	Polavaram E G Dt	12x80 MW	5338.95	Programmed to commission during 2021-22
State Sector (Thermal)					
1	Sri Damodaram Sanjeevaiah TPS Stage II	Krishnapatnam (Nellore)	1x800MW	6034	Zero date commenced on 15-12-2015.LOI for BOP package was issued on 06/ 07/2016
2	Dr.NTTPS Stage V Vijayawada	Ibrahimpattam (Krishna)	1x800MW	5287	All the clearances obtained. BTG Tender awarded to M/S BHEL. 10 % Advance paid and zero date commenced on 15-12-2015.LOI for BOP package was issued on 06/ 07/2016,ESP erection started on 15.03.2017
Solar					
1	Solar PV Plant	Ananthapur	400 MW	2375	Programmed to commission during December 2018

6.17 POWER PROJECTS UNDER CONSTRUCTION - PROGRESS AS ON 31-03-2017

S.No	Name of the Project	Location	Capacity Addition	Estimated Cost (Rs. Crs.)	Remarks
State Sector (Thermal)					
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 JUNE 2019
3	Sri Damodaram Sanjeevaiah TPS Stage II	Krishnapatnam (Nellore)	1 x 800 MW	4327	Programmed to commission during JUNE 2019
State Sector (Solar)					
1	Solar PV Plant	Ananthapuram	400 MW	2375	Programmed to commission during December 2018
State Sector (Hydro)					
1	Polavaram HEP	Polavaram	12 x 80 MW	5358.23	Programmed to be commissioned during 2021-22
POWER PROJECTS UNDER DEVELOPMENT					
S.No	Name of the Project	Unit	Capacity Addition	Estimated Cost (in Crs.)	Remarks
1	Solar PV Plant		100 MW		Programmed to commission during 2019-20
2	Wind Farm at Ramagiri		1x10MW	50	Programmed to commission during 2019-20

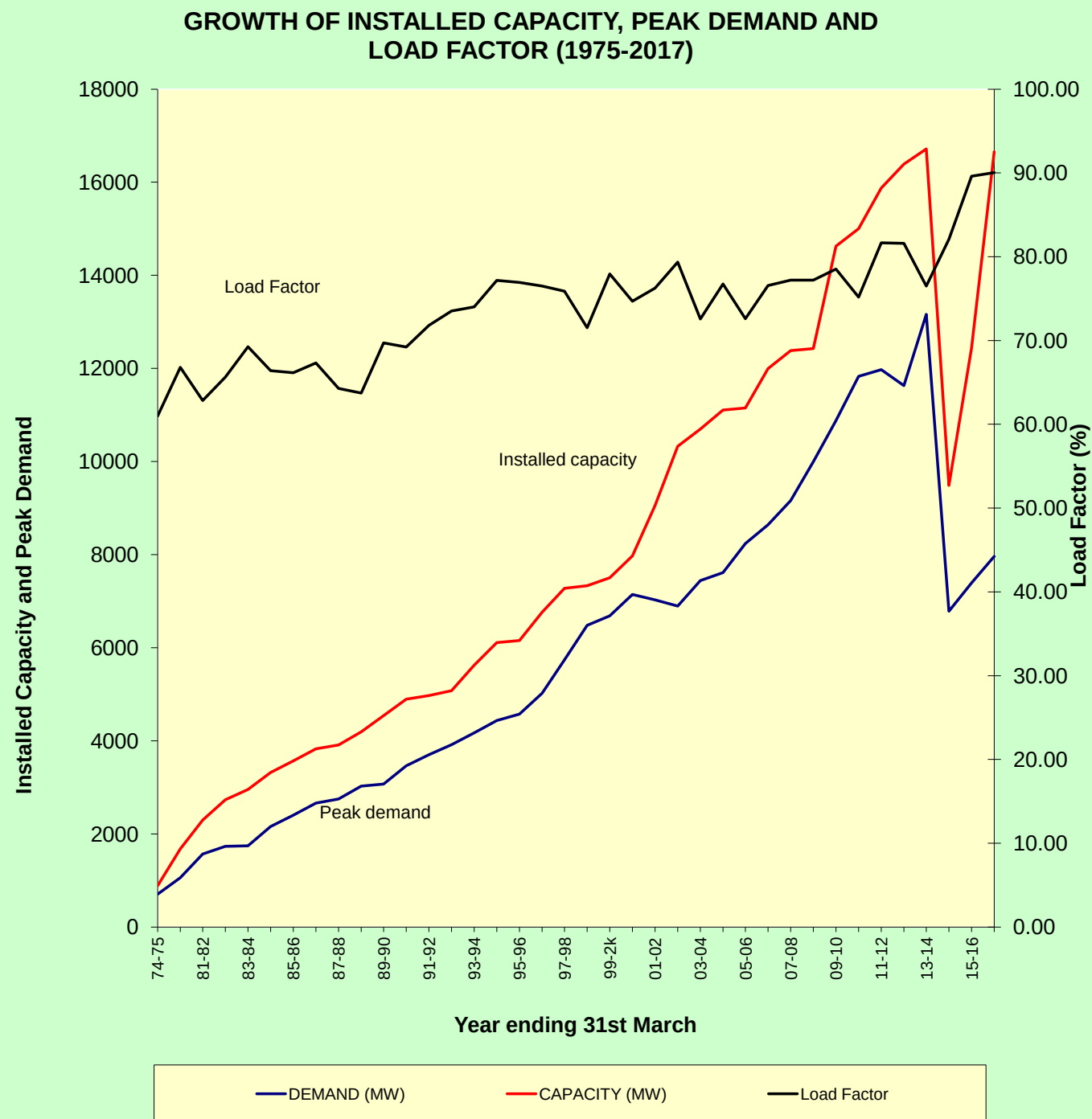
6.18 Generation schemes under investigation as on 31-3-2017

State Sector				
S.No	Name of the Project	Capacity Addition	Estimated Cost (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 31.3.2017)

SNO	Energy Source	Potential (MW)	Capacity Harnessed up to Mar-17(MW)	Capacity addition During 2016-17
1	Wind	44229.00	3801.09	2348.25
2	Biomass projects including co-generation power projects	500.00	226.40	4.77
3	Bagasse based Co-generation	300.00	203.95	0.00
4	Municipal Solid Waste	100.00	6.15	0.00
5	Industrial Waste	100.00	34.01	0.00
6	Small Hydro	500.00	87.438	0.00
7	Solar	38440	1880.38	1301.184
	Total	84169	6239.41	3654.20

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
16-17	16652	7965	90.03

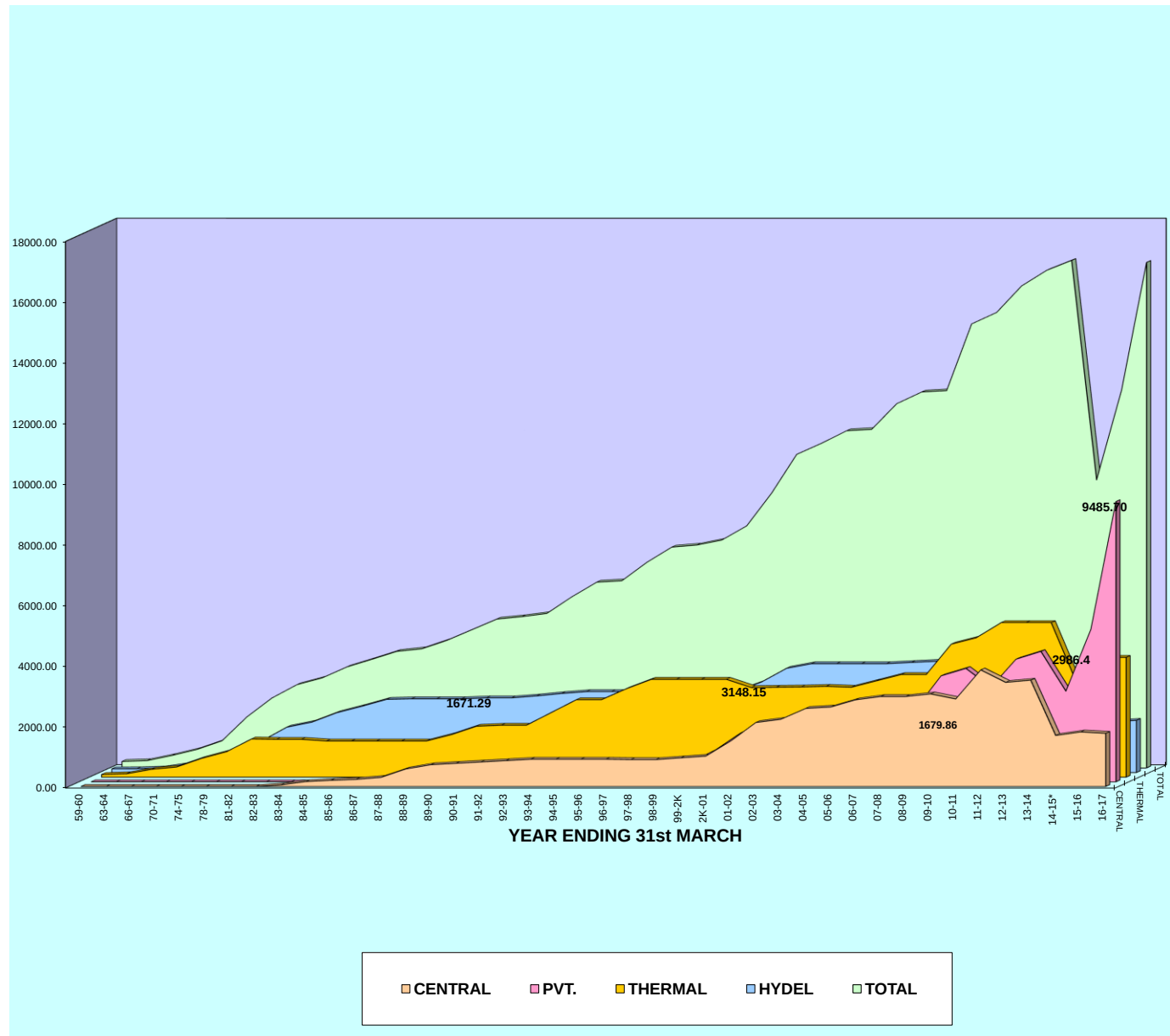


YEAR	HYDEL	THERMAL	CENTRAL	PVT &OTHERS	TOTAL
59-60	124.00	89.00	--		213.00
63-64	126.00	114.00	--		240.00
66-67	151.60	259.00	--		410.60
70-71	271.60	337.00	--		608.60
74-75	271.60	620.00	--		891.60
78-79	841.60	840.00	--		1681.60
81-82	1043.20	1260.00	--		2303.20
82-83	1494.80	1247.50	--		2742.30
83-84	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
16-17	1721.29	3948.15	1750.85	9232.23	16652.52

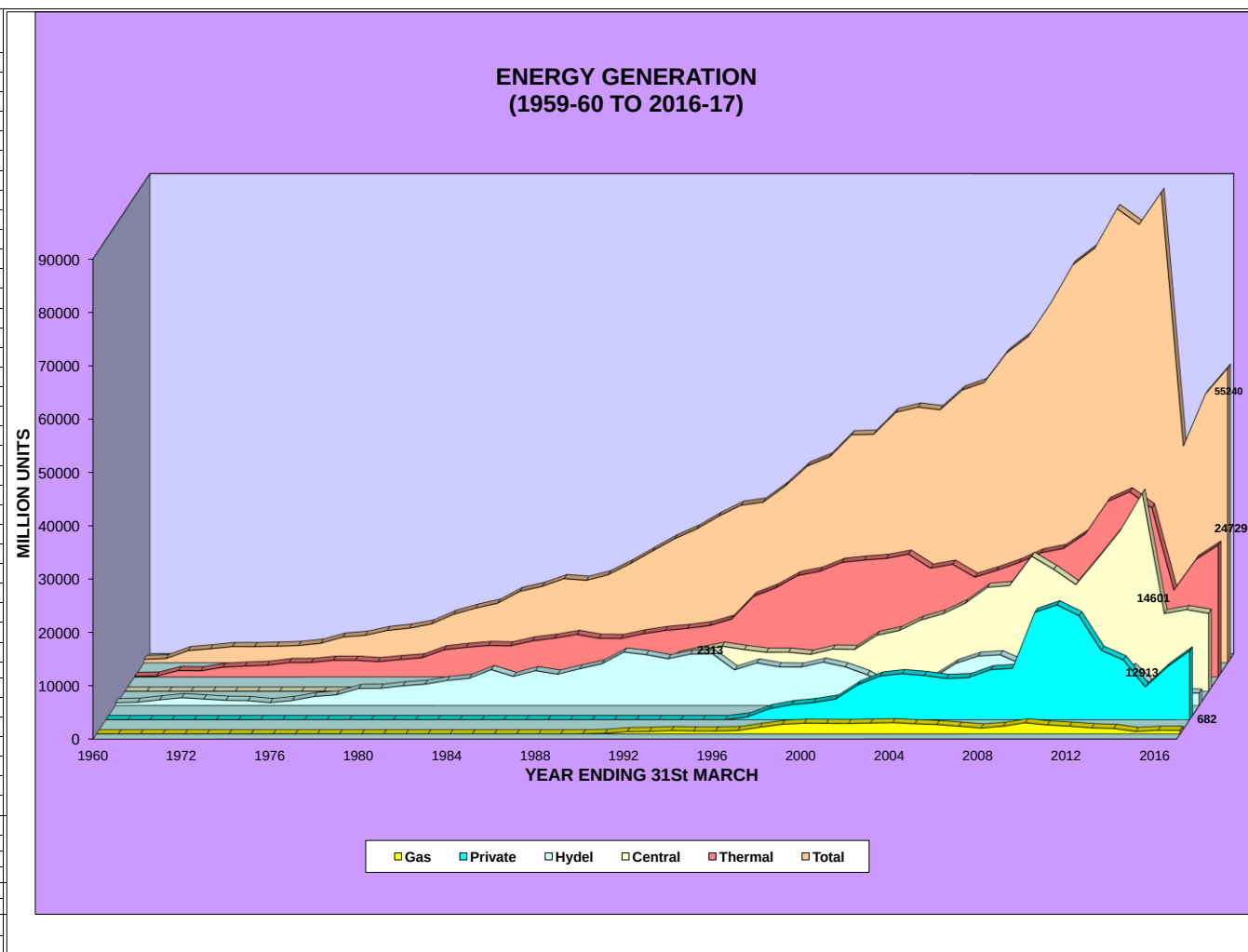
* Figures indicate for residual AP

MEGA WATTS

PROGRESS IN INSTALLED CAPACITY (MW) (1960-2017)



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
2017	2313	24729	674	12913	14601	55240



* 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 in KV	TR. CAPACITY (NO. X MVA)	TOTAL MVA	Date of Commissioning
400 KV SUBSTATIONS					
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	3X100	300	31-01-2016(3rd 315mva)
5	CHITTOOR	400/220	3 x 315	945	24-10-2009
6	NARASARAOPET (Sattenapally)	400/220	2x315	630	17-2-2006
					31/03/2014
7	JAMMALAMADUGU(Kondapuram) KADAPA Dt	400/220	1x315	315	Bus charged on 29/06/2016&ICT charged on 12/12/2016
8	URAVAKONDA Ananthapur Dt	400/220	2x315	630	ICT I:15/07/2016 ICT II:26/07/2016
9	KAMAVARAPUKOTA (WG Dt)	400/220	2 X 315	630	Bus charged on 25/01/2017 ICI I:28/02/2017 ICT II:17/03/2017
10	GHANI (Kurnool Dt)	400/220	1 X 500	500	Bus Charged on 01/02/2017 ICT I:14/02/2017
TOTAL MVA				7100	
220 KV SUBSTATIONS					
SRIKAKULAM					
1	TEKKALI	220/132	2x100	200	31-12-2007
		132/33	2x31.5	63.00	28-12-1983
VIZIANAGARAM					
2	1.GARIVIDI	220/132	1x160+2 x 100	360.00	5-3-1992
		132/33	2x31.5	63.00	
3	2.Appayyadorapalem Swtn.Station	**	**		15/10/2015
4	3.Bobbili Growth Center	220/132	1x100	100.00	13/11/2015
VISAKHAPATNAM					
5	1.GAJUWAKA	220/132	2 X 160+1x100	420.00	26-07-1968
		132/33	1 X50	50.00	
			1x50	50.00	
6	2.VISAKHAPATNAM	220	SW. STN.		20-06-1991
7	3.PENDURTHY (Vizag-II)	220/132	2x160+1 x 100		30-03-1993/23-12-2009
		132/33	1x31.5	451.50	
8	4. DAIRY FARM	220/132	2X100	200.00	18-11-2002
		132/33	2x50	100.00	
9	5. PARWADA	220/132	2X100	200.00	29.03.2004/18-3-2010
		132/33	1x31.5+2x50	131.50	
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
EAST GODAVARI					
12	1.BOMMURU	220/132	1x160+2 X 100	360.00	14-08-1976
		132/33	2X50+2X25	150.00	
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 / 31-3-2008
15	4.RAMPACHODAVARAM	220/33	1X50+1x31.5	81.50	29-05-2003
WEST GODAVARI					
16	1.BHIMADOLE	220/132	2 X 100+1x160	360.00	13-01-1990
		132/33	1X50 1X31.5+1x16	97.50	
17	2.NIDADAVOLU	220/132	3 X 100	300.00	07-03-1999
18	3.BHIMAVARAM (UNDI)	220/132	3X100	300.00	02-02-2007
		132/33	3x31.5	94.50	
19	4.KAMAVARAPUKOTA	220/132	3X100	300.00	28-03-2007
20	5.Pattiseema LIS Sub-Station	220/11	1x60	60.00	11/08/15

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

Sl.No	NAME OF THE SS/ DISTRICT	VOLTAGE in KV	TR. CAPACITY (NO. X MVA)	TOTAL MVA	Date of Commissioning
KRISHNA					
21	1.GUNADALA (VJW)	220/132	2 X 100 +1x160	360.00	1970-1971
		132/ 33	3x 50	150.00	
22	2.KONDAPALLY (VJW)	220/132	2 X 100 +1x160	360.00	30-09-1989
		132/ 33	2x31.5+1x50	113.00	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	1x160+2 X 100	360.00	22-10-2004
		132/33	1x31.5+1 X50	81.50	29-03-2006
GUNTUR					
27	1.GUNTUR (TADIKONDA)	220/132	1x160+3 X 100	460.00	31-03-1992
		132/33	2x50	100.00	
28	2.TALLAPALLI	220	SW. STN.		17-07-1985
29	3.RENTACHINTALA	220/132	1X100	100.00	24-11-2008
30	4.NARASARAOPET				03-11-2009/
		220/132	3X100	300.00	25-01-2010
		132/33	2X31.5	63.00	02-02-2003
PRAKASHAM					
31	1.ONGOLE	220/132	1x160+2x100	360.00	21-8-1980
		132/33	1x50+1X31.5	81.50	17-7-2009
32	2.PODILI				30-03-1994
		220/33	1x31.5+1x50	81.50	(Sw.St)/
		220/132	1x100	100.00	24-10-2005(SS)
33	3.MARKAPUR	220/132	3 X 100	300.00	7/22/2014
		132/33	2x31.5	63.00	26-08-2001
34	4.PARCHUR	220/132	3x100	300.00	6-1-2006
		132/33	2X16	32.00	17-05-2010
					23-08-1999
NELLORE					
35	1.NELLORE	220/132	3x160	480.00	11-12-76
		132/ 33	3x50	150.00	
36	2.SULLURPET	220/132	3 X 100	300.00	01-05-82
		132/ 33	2 x 31.5	63.00	
CHITTOOR					
37	1.CHITTOOR	220/132	1x160 + 2 X100	360.00	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+1x50	113.00	
39	3.RENIGUNTA	220/132	1x160 + 2 X100	360.00	25-11-95
		132/33	1x31.5+1 X 16	47.50	
40	4.PALAMANERU	220/132	1x100+1x160	260.00	22-10-2011
		132/33	1x50	50.00	22-10-2011
41	5.NAGIRI	220/132	3x100		15-10-2012
		132/33	1x31.5+1x16	347.50	(30-3-1994)
42	6.RACHAGUNNERI				03-01-2014
		220/132	2x100	200.00	25-11-2015 (2nd PTR)
43	7.THIMMAPURAM LIS	220/132	1X100	100.00	16/12/2015
		132/33	1X31.5	31.50	
44	8.KUPPAM	220/132	2 X 100	200.00	30/03/2017

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

Sl.No	NAME OF THE SS/ DISTRICT	VOLTAGE in KV	TR. CAPACITY (NO. X MVA)	TOTAL MVA	Date of Commissioning
ANANTHAPUR					
45	1.GOOTY	220/132	1x160+1x 100	260.00	20-08-75
		132/33	1x31.5+1x16	47.50	
46	2.GOOTY	220	SW. STN		20-05-91
47	3.ANANTAPUR	220/132	3 X 100	300.00	31-03-95
		132/33	3x50+1x16	166.00	
48	4.HINDUPUR	220/132	2X 100+1x160	360.00	29-03-93
		132/33	2 x 50 +1x80	180.00	
49	5.RAMAGIRI	220/33	1X50+1x31.5	81.5	17-10-95
50	6.TADIPATHRI	220/132	2x100	200.00	29-7-2002
		132/33	2x50+1x31.5	131.5	
51	7.KALYANDURG	220/132	3x100	300	21-07-2007
		132/33	2X50+1x80	180	29-12-1986
52	8.BOYAREDDYPALLI		SW.STN		21-01-2008
53	9.REGULAPADU(LIS)	220/11	2X25	50	07-06-2011
54	10.RTSS (Gooty)	220/132	SW. STN		30-3-2012
55	11.YELLANUR LIS	220/11	1x50	50	27-3-2014
56	12.VAJRAKARUR	220/132	1x100	100	14/07/2016
57	13.BOKSAMPALLI	220/132/33	1X100+2X31.5	163	4/11/2016
58	14.SUBBARAYUNIPALLI	220/33	1X100	100	5/11/2016
59	15.GOLLAPURAM	220/132/33	1x 31.5	31.5	26/12/2016
60	16.BORAMPALLI	220/132	1X100	100	6/1/2017
KADAPA					
61	1.KADAPA	220/132	3 X 100	300.00	24-05-70
		132/33	2x50	100.00	
62	2.CHINAKAMPALLY	220/132	1x100 +1x 160	260.00	19-01-86
63	3.MYDUKUR	220/33	1X50+1x31.5	81.50	31-03-92
64	4.RAJAMPETA	220/33	2 X 31.5	63.00	28-03-93
		220/132	2x100	200.00	
65	5.YERRAGUNTLA	220/132	3 X 100	300.00	24-10-93
		132/33	2x31.5+1x16	79.00	
66	6.KODURU	220/33	2 X 31.5	63.00	15-06-97
67	7.PULIVENDULA	220/132	2X100	200.00	19-11-2009
		132/33	2x16	32.00	3/9/2011
68	8.THIMMAPURAM	220/11	1x50	50.00	3/7/2012
69	9.KONDAPURAM	220/132	2x100	200.00	13/8/2012
70	10.GADDAMVARIPALLI (LIS SS)	220/11	2X25	50.00	4/2/2017
71	11.GODDUMARRI(LIS SS)	220/11	2 X 50	100.00	15/02/2017
72	12.PORUMAMAILLA	220/132	1X100	100.00	31/03/2017
KURNOOL					
73	1.SRISAILAM	220/33	1 X 100	100.00	1969-70
74	2.A.P CARBIDES	220/132	1x160	160.00	19-03-89
		220/132	2x100	200.00	
		132/33	1x31.5+1x16	47.50	
75	3.SOMAYAJULAPALLI	220	Sw.Stn		28-03-95
76	4.NANDYALA	220/132	3 X 100	300.00	31-03-95
		132/33	2X50	100.00	
77	5.BRAHMANAKOTKUR(LIS)	220/11	2x25	50.00	29-10-2010
78	6.MALYALE(LIS)	220/11	1X31.5	31.50	06-01-2011
79	7.DHONE(LIS)		SW.STN		28-07-2011
80	8.KHAMBALPADU(LIS)	220/11	2X25	50.00	30-08-2011
81	9.LAKKASAGARAM(LIS)	220/11	2X25	50.00	12-10-2011
82	10.KRISHNAGIRI(LIS)	220/11	2X25	50.00	22-10-2011
83	11.SETTIPALLY(LIS)	220/11	2X25	50.00	18-11-2011
84	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 in KV	TR. CAPACITY (NO. X MVA)	TOTAL MVA	COMMISSIONING/ COMPLETION
132kV Sub-Stations					
	SRIKAKULAM				
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	1X31.5+1x50	81.50	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
	VIZIANAGARAM				
9	1.T.B VARA	132/33	2 x 16	32.00	23-11-1981
10	2.BOBbili	132/33	1x31.5+1x50	81.50	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	1x31.5+1x16	47.50	20-12-2004
	VISAKHAPATNAM				
14	1.SIMHACHALAM	132/33	4 x 16	64.00	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	1x31.5+1x50	81.50	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	3 x 31.5	94.50	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	2x 16+1x31.5	63.50	12-6-2002
25	12. DGNP	132	Sw.St.	Sw.St.	19-12-2003
26	13. VSEZ	132/33	2x31.5	63.00	03-06-2010
27	14.NARSIPATNAM	132/33	2X10/16	32.00	30/10/2015
28	15.NARASINGABILLI	132/33	1 X 16	16.00	30/06/2016
29	16.MALKAPURAM	132/33	1 X 16	16.00	19/10/2016
	EAST GODAVARI				
30	1.PEDDAPURAM	132/33	3 x 31.5	94.50	1965-1966
31	2.RAMACHANDRAPURAM	132/33	2 x 31.5	63.00	18-09-1981
		132/33	1 x 31.5	31.50	
32	3.AMALAPURAM	132/33	1x50+1 x 31.5	81.50	11-7-1988
33	4.A.P PAPER MILLS (RJY)	132/33	3 x 50	150.00	1-1-1989
34	5.PRATHIPADU	132/33	2x31.5	63.00	31-03-1993
		132/11	1x16	16.00	
35	6. RAZOLE	132/33	2 x31.5	63.00	29-01-2001
36	7.RAJAGANARAM	132/33	2X31.5	63.00	25-09-2009
37	8.EDITHA	132/33	2X31.5	63.00	30-07-2010
38	9 PITAPURAM	132/33	1X31.5+1x16	47.50	31/8/2013
39	10. KOTHAPETA	132/33	2X31.5	63.00	9/20/2013
40	11.PRATAPNAGAR	132/33	2X31.5	63.00	21-11-2013
41	12.RVK SWITCHING STATION(33KV FEATURES)	132/33	1X31.5	31.50	1/7/2015
42	13.SILK ROAD SUGARS	132/33	2X25	50.00	9/12/2015 2nd PTR Charged on 03/11/2016
43	14.BICCAVOLU	132/33	1 X 16	16.00	20/11/2016
	WEST GODAVARI				
44	1.KAMAVARAPU KOTA	132/33	3 x 31.5	94.50	30-01-1981
		132/11	1 x 15	15.00	
45	2.BHIMAVARAM	132/33	2 x 50	100.00	11-1986
46	3.KOVVURU	132/33	2X31.5	63.00	31-12-1990
47	4.TANUKU	132/33	1 x 31.5+1 x 25+1x50	106.50	13-10-1992
48	5.JANGAREDDYGUEDEM	132/33	2 x 31.5+1x50	113.00	31-01-1993
49	6.PEDATADEPALLI	132/33	2x50+1x31.5	131.50	29-03-1993
50	7.ELURU	132/33	1x50+1x80	130.00	08-12-1992
51	8.NARSAPURAM	132/33	2x31.5	63.00	29-09-1999
52	9.SAGGONDA	132/33	2x31.5+1 x 16	79.00	19-03-2004
53	10. CHINTALAPUDI	132/33	1x31.5+1x50	81.50	08-03-2005
54	11.NALLAJERLA	132/33	2x50	100.00	29-12-2005
55	12.PEDAVEGI	132/33	2x31.5	63.00	10-03-2006
56	13.NIDADAVOLU	132/33	3X50	150.00	30-11-1967
		132/33			
57	14. PENUGONDA	132/33	2X16	32.00	6/26/2014
	KRISHNA				
58	1.KANUMOLU	132/33	2x 31.5	63.00	05-03-1978
59	2.PAMARRU	132/33	1 x 31.5+1x50	81.50	05-04-1978
60	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 in KV	TR. CAPACITY (NO. X MVA)	TOTAL MVA	COMMISSIONING/ COMPLETION
61	4.MACHILIPATNAM	132/33	2 x 31.5	63.00	17-12-1993
62	5.VIJAYAWADA (VJW)	132/33	2x50	100.00	28-01-1994
63	6.GANGOOR	132/33	1x50+1x31.5	81.50	30-12-2000
64	7. BHAVANIPURAM	132/33	1x 31.5	31.50	31/07/2016
65	8. KHAMBAMPADU	132/33	2 x 31.5	63.00	08-07-2004
66	9.NANDIGAMA	132/33	1 x 31.5+1 x 16	47.50	09-08-2006
67	10.AVANIGADDA	132/33	1x31.5+1X16	47.50	31-03-2010
68	11.AUTO NAGAR	132/33	1x50+1X31.5	81.50	21/5/2013
69	12.CHIGURUKOTA	132/33	2 X 10/16	32.00	4/10/2016
70	13.RANGANNAGUDEM	132/33	1 X 10/16+1X 31.5	47.50	21/11/2016
	GUNTUR				
71	1.GUNTUR	132/33	3 x 50	150.00	28-02-1977
72	2.TADEPALLI	132/33	2x31.5	63.00	Prior to
		132/33	1 x 50	50.00	1959-1960
73	3.BAPATLA	132/33	1x31.5+2 x 16	63.50	29-11-1978
74	4.MACHERLA	132/33	2x50	100.00	29-12-1975
75	5.PIDUGURALLA	132/33	1x50+1X31.5	81.50	30-03-1984
76	6.CHILAKALURIPETA	132/33	3x50	150.00	27-12-1987
77	7.TENALI	132/33	1x50+1X31.5	81.50	20-08-1993
78	8.REPALLE	132/33	2x31.5	63.00	30-12-1993
79	9.VINUKONDA	132/33	2x31.5	63.00	30-08-1999
80	10.NALLAPADU	132/33	2X31.5	63.00	17-08-2008
81	11.MARRIPALEM	132/33	2x31.5	63.00	24-01-2009
82	12.TANGEDA	132/33	1X16	16.00	26-08-2010 (28-12-2012)
83	13.KARAMPUDI	132/33	2X31.5	63.00	19-07-2010
84	14. RENTAPALLA	132/33	1x31.5+1X 16	47.50	27/6/2013
85	15.GAJJANAGUNDLA	132/33	1X31.5+1X16	47.50	31/7/2013
86	16.CHAKRAYAPALEM	132/33	2X16	32.00	28/03/2016
	PRAKASHAM				
87	1.ONGOLE	132/33	2X16	32.00	1963-1964
88	2.CUMBUM	132/33	1 X 16+2x31.5	79.00	27-02-1974
89	3.KANIGIRI	132/33	2X31.5	63.00	25-07-1990
90	4.CHIRALA	132/33	2 X31.5+1X16	79.00	13-06-1993
91	5.ERRAGONDAPALEM	132/33	1x50+1X31.5	81.50	31-03-1994
92	6. KANDUKUR	132/33	1x31.5+1 X 50	81.50	29-05-1996
93	7.GIDDALUR	132/33	2x31.5	63.00	13-08-1997
94	8.MEDARAMETLA	132/33	2x31.5	63.00	19-03-2001
		132/11	1x16	16.00	
95	9.PEDDADORNALA	132/33	2x16	32.00	31-03-2008
96	10.INKOLLU	132/33	2 X 10/16	32.00	31-03-2008 Trs charged on 26/11/2016
97	11.MARTUR	132/33	1x50+1x31.5	81.50	02-10-2008
98	12.PAMURU	132/33	1X31.5+1x16	47.50	18-07-2010
99	13.TANGUTURU	132/33	1x31.5+1x16	47.50	31-3-2012
100	14.ADDANKI	132/33	1X31.5+1x16	47.50	11-01-2014
101	15.LINGASAMUDRAM	132/33	1X16	16.00	25/09/2014
102	16.DARSI	132/33	1X31.5	31.50	24/09/2014
103	17.KESINENIPALLY	132/33	1X31.5+1X16	47.50	23-06-2015 08-10-2015
	NELLORE				
104	1.NELLORE SOUTH (NAVLAC GARDEN)	132/33	2x31.5+1x50	113.00	23-11-1981
		132/11	1 X 16	16.00	
105	2.VENKATAGIRI	132/33	1x31.5+1 X 16	47.50	24-09-1992
106	3.SRIHARIKOTA	132/11	2 X 16	32.00	18-11-1978
107	4.GUDUR	132/33-11	3 X 16+1x25	73.00	10-7-1980
108	5.ATMAKUR	132/33	2x31.5	63.00	19-02-1988
109	6.KAVALI	132/33	1x31.5+1x50	81.50	22-12-1980
110	7.CHENDODU	132/33	1x50+1x31.5	81.50	11-12-1991
111	8.ALLURU	132/33	2x31.5	63.00	16-03-2001
112	9.UDAYAGIRI	132/33	3 X 16	48.00	07-12-2001
113	10. ADURUPALLI	132/33	3 X 16	48.00	9-10-2004
114	11. BRAHMADEVAM	132/33	1x16+1x31.5	47.50	31-3-2005
115	12.NAIDUPET	132/33	1x50+1X31.5	81.50	03-08-2005
116	13.NTS	132/33	1x16+2x31.5	79.00	01-01-2006
117	14.MENAKURU	132/33	1X31.5	31.50	21-12-2012
	CHITTOOR				
118	1PALAMANERU	132/33	1x16+1x31.5	47.50	24-10-1983
119	2.PUTTUR	132/33	2 X 31.5	63.00	12-6-1982
		132/11	1 X16	16.00	
120	3.TIRUPATHI	132/33	2x50	100.00	12-11-1986
		132/11	1 X 16	16.00	
121	4.PAKALA	132/33	2x31.5	63.00	4-2-1990

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

Sl.No	NAME OF THE SS/ DISTRICT	VOLTAGE in KV	TR. CAPACITY (NO. X MVA)	TOTAL MVA	COMMISSIONING/ COMPLETION
122	5.SRIKALAHASTI	132/33	1x50+2x31.5	113.00	31-03-1987
123	6.MADANAPALLY	132/33	1x50+1 X 31.5	81.50	10-8-1986
124	7.SHANTIPURAM	132/33	1x50+1X31.5	81.50	04-01-1993
125	8.KOTHAPALLI MITTA	132/33	2x50	100.00	16-06-1997
126	9.CHANDRAGIRI	132/33	1x31.5+1x16	47.50	8-11-1998
127	10.BURAKAYALAKOTA	132/33	1x31.5+1x50	63.00	27-03-1999
128	11.ROMPICHERLA	132/33	2x31.5	63.00	06-07-1999
129	12. KUPPAM	132/33	1x50+1x31.5	81.50	24-08-2000
130	13.PUNGANURU	132/33	1x50+1X31.5	81.50	19-03-2001
131	14.GURRAMKONDA	132/33	2x31.5	63.00	26-11-2005
132	15.NAGALAPURAM	132/33	1x31.5+1X16	47.50	29.3.2007(TC)
133	16.IRALA	132/33	2X16	32.00	02-12-2009
134	17.SOMALA	132/33	1x31.5+1X16	47.50	31-3-2012
135	18.TIRUMALA	132/33	1X16	16.00	31-3-2012
136	19.CHERVI	132/33	1x31.5+1X16	47.50	16/09/2015
137	20.SIVARAMPURAM LIS SS	132/33	2X31.5	63.00	4/3/2016
138	21.B.KOTHAKOTA	132/33	1X16	16.00	26/03/2016
139	22.ALIPIRI	132/33	1X10/16+1X31.5	47.5	21/09/2016
140	23.BANDLAVANDLAPALLI(LIS SS)	132/33	2X10/16	32.00	27/10/2016
	ANANTHAPUR				
141	1.DHARMAVARAM	132/33	2x31.5+2X16	95.00	10-11-1970
142	2.JAMMALABANDA	132/33	2X31.5	63.00	30-09-1994
143	3.PUTTAPARTHY	132/33	1x31.5+1x50	81.50	22-11-1993
144	4.KADIRI	132/33	2x50	100.00	02-07-1984
145	5.GUNTAKAL	132/33	1x31.5+1 x 16	47.50	31-03-1988
146	6.RAYADURG	132/33	2x50	100.00	30-07-1998
147	7.KOMATIKUNTA	132/33	2x31.5	63.00	26-07-2003
148	8.URAVAKONDA	132/33	2x31.5	63.00	29-11-2007
149	9.THUMKUNTA	132/33	3X50	150.00	26-12-2010
150	10.ANKAMPALLY(LIS)	132/11	3X16	48.00	16-03-2011
151	11.KOMALI (Sw Stn)	132/33			7/12/2012
152	12.THANAKALLU	132/33	2X16	32.00	21/12/2013
153	13.OBULAPURAM	132/33	1X31.5	31.50	3/12/2015
154	14.JEDIPALLI	132/6.6	2X10	20.00	1/12/2016
155	15.KOTHAPALLI (LIS SS)	132/33	2X15	30.00	11/2/2017
156	16.MALLAYYAGARIPALLI(LIS SS)	132/33	2X16	32.00	11/2/2017
	12.KADAPA				
157	1.BADWEL	132/33	3 x 16	48.00	10-07-1993
158	2.PULIVENDULA	132/33	2 x 31.5	63.00	29-12-1986
159	3.PRODDUTUR	132/33	1 x 31.5+1x16	47.50	17-09-1989
160	4.RAYACHOTI	132/33	1x 31.5+1x50	81.50	31-03-1992
161	5.VONTIMITTA	132/33	2 x 16	32.00	05-07-2000
162	6.BALAPANUR	132/33	2x31.5	63.00	26-10-2000
163	7.THIMMAYAGARIPALLI	132/33	3 x 16	48.00	12-04-2001
164	8. JAMMALAMADUGU	132/33	1x31.5+1 x 16	47.50	28-03-2005
165	9. VEMPALLI	132/33	2x31.5+1x16	79.00	31-03-2005
166	10.PORUMAMILLA	132/33	2x31.5	63.00	22-10-2005
167	11.KONDAPURAM	132/33	1x31.5+1x16	47.50	30-3-2008
168	12.MOOLAVANKA	132/33	1 x 31.5+2 x 16	63.50	20-02-2009
169	13.SAMBEPALLE	132/33	3X16	48.00	04-06-2011
170	14.RTSS KADAPA		SWT.STN		12-11-2010
171	15.RTSS MUDDANUR		SWT.STN		2/9/2011
172	16.GANDIKOTA (GKLIS)	132/11	2x25	50.00	24-11-2011
173	17.LINGALA	132/33	1x16	16.00	30-1-2012
174	18.DUVVUR	132/33	1 x 31.5+1 x 16	47.50	26/08/2015
	13.KURNOOL				
175	1.KURNOOL	132/33	1 x 31.5+1 x 16	47.50	18-04-1970
		132/11	1 x 16	16.00	
176	2.CEMENT NAGAR	132/33	2 x 16	32.00	22-05-1981
177	3.ALLAGADDA	132/33	1 x 31.5+1x50	81.50	29-12-1994
178	4.ADONI	132/33	2 x 31.5+1x16	79.00	21-11-1978
		132/11	1 x16	16.00	
179	5.DHONE	132/33	2 x 31.5	63.00	24-06-1993
180	6.ATMAKUR	132/33	2x 16	32.00	13-03-1994
181	7.YEMMIGANUR	132/33	1x50+1 x 31.5	81.50	24-05-1996
182	8.PATHIKONDA	132/33	1 x 31.5+1 x 16	47.50	30-12-1998
183	9. GUDUR	132/33	2 x 16	32.00	22-03-2004
184	10.AKKIREDDYPALLI	132/33	2x50	100.00	29-11-2005
185	11.BANAGANAPALLI	132/33	3 x 16	48.00	31-03-2006
186	12.NANDIKOTKUR	132/33	2 x 31.5	63.00	26-12-2008
187	13.SRISAILAM	132/33	2X16	32.00	30-10-2009
188	14.RACHARLA	132/33	1X16	16.00	31-3-2010
189	15.ANKIREDDYPALLI	132/33	2X16	32.00	07-03-2010
190	16.MUDIGEDU	132/33	31.5	31.50	3/29/2014
191	17.ALURU	132/33	1X31.5	31.50	25/01/2016

*132KV Inkollu Switching station was upgraded to 132/33KV Sub station on 26/11/2016

*132/6.6 KV BHAVANIPURAM SS(Pump house)Belongs to APGENCO.Charged on 14/09/2003(Hence deleted)

7.1 EHV SUB-STATIONS COMMISSIONED DURING 2016-17					
Sl.No.	Name of the substation	Transf. Capacity in MVA	Effective Capacity in MVA	Voltage Ratio in KV	Date of completion / Commissioning
400 kV SUBSTATIONS COMPLETED / COMMISSIONED					
1	400 KV JAMMALAMADUGU (KondaPuram) in Kadapa District	1 x 315	315	400/220KV	29-06-2016
2	400 KV URAVAKONDA in Ananthapur District	2 x 315	630	400/220KV	15-07-2016
3	400 KV KAMAVARAOUKOTA IN West Godavari District	2 x 315	630	400/220KV	25-01-2017
4	400 KV GHANI in Kurnool District	1 x 500	500	400/220KV	2-Jan-17
2075					
220 kV SUBSTATIONS COMPLETED / COMMISSIONED					
1	220/132 KV SS at Vajrakarur in Ananthapur Dt	1 x 100	100	220/132 KV	14-07-2016
2	220/132/33 KV SS BOKSAM PALLI in Ananthapur Dt	1 x 100+2 x31.5	163	220/132/33KV	04-11-2016
3	220/33 KV SS SUBBARAYUNIPALLI in Ananthapur Dt	1 x 100	100	220/33KV	05-11-2016
4	220/132/33 KV SS Gollapuram in Ananthapur Dt	1 x 31.5	31.50	220/132/33 KV	26/12/2016
5	220/132 KV SS at Borampalli in Ananthapur Dt	1 x 100	100.00	220/132kV	06/01/2017
6	220/11KV LIS SS at Gaddamvaripalli in Kadapa Dt	2 x 25	50.00	220/11KV	04/02/2017
7	220/11 KV LIS SS at Goddummarri in Kadapa Dt	2 x 50	100.00	220/11KV	15/02/2017
8	220/132 KV SS at Kuppam in Chittoor Dt	2 x 100	200.00	220/132kV	30/03/2017
9	220/132 KV SS at Porumamilla in Kadapa Dt	1 x 100	100.00	220/132	31/03/2017
	Total 220 KV		944.5	MVA	
132 kV SUBSTATIONS COMPLETED / COMMISSIONED					
Sl.No.	Name of the substation	Transf. Capacity in MVA	Effective Capacity in MVA	Voltage Ratio in KV	Date of completion / Commissioning
1	132/33 KV SS NARSINGABILLI in Visakhapatnam Dt	1 X 16	16	132/33KV	30/06/2016
2	132/33 KV SS Bhavanipuram in Krishna Dt	1 x 31.5	31.5	132/33KV	31/07/2016
3	132/33 KV SS Alipiri in Chittoor Dt	1x10/16+1x31.5	47.5	132/33KV	21/09/2016
4	132/33 KV SS Chigurukota in Krishna Dt	2 x 10/16	32	132/33KV	04/10/2016
5	132/33 KV SS Malkapuram in Visakhapatnam Dt	1 X 16	16	132/33KV	19/10/2016
6	132/33 KV SS Bandlavandlapalli (LIS) in Chittoor Dt	2 x 10/16	32	132/33KV	27/10/2016
7	132/33 KV SS BICCAVOLU in EG Dt	1 X 16	16	132/33KV	20/11/2016
8	132/33 KV SS RANGANNA GUDEM in Krishna Dt	1x10/16+1x31.5	47.5	132/33KV	21/11/2016
9	132/6.6 KV SS Jeedipalli in Ananthapur Dt	2 x 10	20	132/6.6KV	01/12/2016
10	132/33 KV SS LIS at Kothapalli in Ananthapur Dt	2 x 15	30	132/33KV	11/02/2017
11	132/33 KV SS LIS at Mallayagaripalli in Ananthapur Dt	2 x 16	32	132/33KV	11/02/2017
	33KV FEATURES/Addl Transformers				
1	132 KV SWITCHING STATION,INKOLLU in Prakasam Dt	2 x 10/13	32	132/33	26/11/2016
2	132 KV Silk road Sugars in EG Dt	1 x 25	25	132/33	03-11-2016
	Total 132kV		377.5	MVA	

7.2 33/11 KV SUB-STATIONS COMMISSIONED DURING THE YEAR 2016-17

Sl.No	Discom/ District	Name of the 33/11 KV Sub-Station	Funding Agency	Power Transformer Capacity (in MVA)	Date of Commissioned
EPDCL					
1	Vizianagaram	Chakalipeta	IPDS	1x5	8-Mar-17
2	Visakhapatnam	Aganampudi	IPDS	1x5	26-Jul-16
3	Visakhapatnam	Tallavalasa	IPDS	1x5	11-Aug-16
4	Visakhapatnam	Buchirajupalem	IPDS	1x5	15-Feb-17
5	Visakhapatnam	Madhavadara	IPDS	1x5	4-Mar-17
6	Visakhapatnam	Radar Station	IPDS	1x5	31-Mar-17
7	East Godavari	Katravulapalli	T&D	1x5	8-Mar-17
8	East Godavari	Challapalli	T&D	1x5	20-Mar-17
SPDCL					
1	Krishna	Electricity Colony	IPDS	2X8	16-Jul-16
2	Krishna	Krishnalanka	IPDS	2X8	25-Jul-16
3	Krishna	Autonagar	IPDS	2X8	3-Aug-16
4	Krishna	K.G.Market	REC	2X8	7-Aug-16
5	Krishna	Akuru	REC	1x5	1-Nov-15
6	Krishna	Gudivada Semi indoor SS	IPDS	2x8	21-Jan-17
7	Krishna	Machilipatnam Indoor SS	IPDS	2X8	23-Jan-17
8	Krishna	Fish Market SS	REC	2X8	2-Mar-17
9	Prakasam	Koppolu	REC	1x5	10-Jul-16
10	Prakasam	Motumala	REC	1x5	21-Sep-16
11	Prakasam	Kakarla	REC	1x5	22-Sep-16
12	Prakasam	Venkadripalem	REC	1x5	24-Sep-16
13	Prakasam	Mandelakarla	REC	1x5	24-Sep-16
14	Prakasam	Gurjepalli	REC	1x5	26-Sep-16
15	Prakasam	Madhavaram	REC	1x5	26-Sep-16
16	Prakasam	Chilakapadu	REC	1x5	26-Sep-16
17	Prakasam	Kothapalli	REC	1x5	28-Sep-16
18	Prakasam	Karavadi	REC	1x5	30-Sep-16
19	Prakasam	Rayavaripalem	REC	1x5	13-Oct-16
20	Prakasam	Kotcherla Kota	REC	1x5	17-Oct-16
21	Prakasam	Peddarikatla	REC	1x5	21-Oct-16
22	Prakasam	Juvvikunta	REC	1x5	21-Nov-16
23	Prakasam	Nagarajupalli	REC	1x5	22-Nov-16
24	Chittoor	Swarnamukhi SS		1x5	11-May-16
25	Chittoor	S.V. University SS	IPDS	1x5	15-Jul-16
26	Chittoor	Substation at Lakshmipuram	IPDS	1x5	8-Sep-16
27	Chittoor	Industrial Estate Palamaner	IPDS	1x5	6-Oct-16
28	Chittoor	New 33/11KV semi indoor SS at TTD ADM Buildings	IPDS	2X8	12-Nov-16
29	Chittoor	New 33/11KV semi indoor SS at Sri Govindaraju Swamy Temple	IPDS	2X8	4-Dec-16
30	Kurnool	Agaveli	REC	1x5	17-Jun-16

No.of 33/11KV Sub-stations commissioned during 2016-17 upto 31-03-2017 : 38 Nos.

7.3 (A) 132 kV, 30 MVAR CAPACITOR BANKS / COMMISSIONED DURING 2016-17				
Sl.No.	Name of the Substation(District)	Capacity in MVAR	Make	Date of Commissioning
	NIL			

7.3 (B) 33 kV CAPACITOR BANKS COMMISSIONED DURING 2016-17				
Sl.No.	Name of the Substation(District)	Capacity in MVAR	Make	Date of Commissioning
VISAKHAPATNAM ZONE				
1	132 KV SS Bobbili in Vizianagaram Dt	7.2	ABB	10/8/2016
2	132KV SS TB VARA in Vizianagaram Dt	7.2	ABB	21/9/2016
3	132 KV SS Narasingabilli in Visakhapatnam Dt	7.2	Shreem	6/12/2016
4	132KV SS Jangareddygudem in West Godavari Dt	7.2	ABB	21/07/2016
5	132KV SS Pedavegi in West Godavari Dt	7.2	ABB	14/09/2016
VIJAYAWADA ZONE				
6	132KV SS Kambhampadu in Krishna Dt	14.4	ABB	30/08/2016
7	132KV SS Pamuru in Prakasam Dt	7.2	ABB	29/06/2016
8	132KV SS Naidupet in Nellore Dt	7.2	ABB	30/07/2016
9	132KV SS Adurupalli in Nellore Dt	7.2	ABB	22/06/2016
10	132KV SS Brahmadevam in Nellore Dt	7.2	ABB	1/7/2016
11	132KV SS Udayagiri in Nellore Dt	7.2	ABB	12/7/2016
KADAPA ZONE				
12	132 KV SS Sambepalli in Kadapa Dt	7.2	ABB	4/5/2016
13	220KV SS Yerraguntla in Kadapa Dt	7.2	ABB	21/05/2016
		7.2	ABB	26/05/2016
14	220KV SS Kondapuram in Kadapa Dt	7.2	ABB	3/2/2017
15	132KV SS Nagalapuram in Chittoor Dt	7.2	ABB	21/07/2016
16	132KV SS in Kuppam Dt	7.2	ABB	20/07/2016
17	132KV SS in Gurramkonda in Chittoor Dt	7.2	ABB	10/6/2016
18	132KV SS in Somasila in Chittoor Dt	7.2	ABB	3/6/2016
TOTAL MVAR		144	MVAR	

**7.3 -(C) 33kV SHUNT CAPACITOR BANKS
COMMISSIONED
YEAR WISE 1984-85 to 2016-17**

Sl.No	Year	Capacitor Banks 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
33	2016-17	19	144
* Residual AP			

AUGMENTATION OF TRANSFORMER CAPACITY DURING 2016-17						
Sl. No.	Name of the Sub-station	District	Existing (MVA)	Augmented (MVA)	Net increase Trans-former capacity (MVA)	Date of charging
AUGMENTATION OF TRANSFORMER CAPACITY AT 400 KV SUB-STATIONS						
1	400 KV SS Chittoor	Chittoor	2x315	3 x 315	315	02-05-2016
TOTAL 1					315.0	
AUGMENTATION OF TRANSFORMER CAPACITY AT 220 KV SUB-STATIONS						
1	220 kV Renigunta	Chittoor	3x100	1x160+2x100	60.00	01-04-2016
2	220 kV Chinakampally	YSR (Kadapa)	1x100	1x100+1x160	160.00	02-04-2016
3	220 kV S Kondapalli	Krishna	3x100	2x100+1x160	60.00	25-04-2016
4	220 KV SS Nagari	Chittoor	2 x 100	3 x 100	100.00	15-Jul-2016
5	220 KV SS Pendurthy	Visakhapatnam	1x160 + 2 x 100	2x160 + 1 x 100	60.00	31-Jul-2016
6	220 KV SS Nellore	Nellore	2x160 + 1 x 100	3 x 160	60.00	2-Oct-2016
7	220 KV SS Chittoor	Chittoor	3x100	2x100+1x160	60.00	5-Oct-2016
8	220 KV SS Parchur	Prakasam	2 x 100	3 x 100	100.00	5-Nov-2016
9	220 KV SS Gunadala	Krishna	3x100	2x100+1x160	60.00	11-Nov-2016
10	220 KVSS Rajampet	Kadapa	1 x 100	2 x 100	100.00	28-Feb-2017
TOTAL 2					820.0	
220/132/33kV features at 220 kV Sub-stations						
1	220 kV SS Parawada	Visakhapatnam	3x31.5	2x31.5+1x50	18.50	24-04-2016
2	220 kV SS Parawada	Visakhapatnam	2x31.5+1x50	1x31.5+2x50	18.50	30-04-2016
3	220 KV SS Tekkali	Srikakulam	1x31.5+1x15	2x31.5	16.50	17-05-2016
4	220 KV SS Tadikonda	Guntur	1 x 31.5+1x50	2 x 50	18.50	25-06-2016
5	220 KV SS Markapuram	Prakasam	1x31.5+1x16	2x31.5	15.50	03-08-2016
6	220 KV SS Podili	Prakasam	2x31.5	1 x 31.5+1x50	18.50	02-12-2016
7	220 KV SS Kalikiri	Chittoor	3x31.5	2x31.5+1x50	18.50	12-01-2017
8	220 KV SS Kondapalli	Krishna	3x31.5	2x31.5+1x50	18.50	14-01-2017
9	220 KV SS Kalyandurgam	Ananthapur	2 x 50	2 x 50+1x80	80.00	20-01-2017
10	220 KV SS Hindupuram	Ananthapur	3 x 50	2 x 50+1x80	30.00	03-02-2017
11	220 KV SS Gajuwaka	Visakhapatnam	1 x 31.5+1x50	2 x 50	18.50	04-03-2017
12	220KV SS Undi	West Godavari	2x31.5	3x31.5	31.50	31-03-2017
TOTAL 3					303.0	
AUGMENTATION OF TRANSFORMER CAPACITY AT 132 KV SUB-STATIONS						
1	132/33 kV SS Pydibhimavaram	Srikakulam	2x31.5	1x31.5+1x50	18.50	10-04-2016
2	132 KV SS Autonagar	Krishna	2 X 31.5	1 X 50 + 1 x 31.5	18.50	16-05-2016
3	132 KV SS Macherla	Guntur	1x31.5+1x50	2 x 50	18.50	02-06-2016
4	132 KV SS Piduguralla	Guntur	2 X 31.5	1x 50+1x 31.5	18.50	12-06-2016
5	132 KV SS Saggonda	West Godavari	2 X 31.5	2 x 31.5+1x 16	16.00	13-06-2016
6	132 KV SS Gangur	Krishna	2 X 31.5	1x 50+1x 31.5	18.50	20-06-2016
7	132 KV SS Repalle	Guntur	1 x 31.5+1x16	2 x 31.5	15.50	22-06-2016
8	132 KV SS Tadepalli	Guntur	2x31.5+1x15	2x31.5+1x50	35.00	07-07-2016
9	132 KV SS Srisailam	Kurnool	1 x 16	2 x 16	16.00	15-07-2016

AUGMENTATION OF TRANSFORMER CAPACITY DURING 2016-17						
Sl. No.	Name of the Sub-station	District	Existing (MVA)	Augmented (MVA)	Net increase Trans-former capacity (MVA)	Date of charging
10	132KV SS Pratapnagar	East Godavari	1 x 31.5+1 x 16	2 x 31.5	15.50	19-07-2016
11	132 KV SS Prathipadu	East Godavari	1 x 31.5+1 x 16	2 x 31.5	15.50	05-08-2016
12	132 KV SS Avanigadda	Krishna	2 x 16	1 x 31.5+1x 16	15.50	06-08-2016
13	132 KV SS Rentapalla	Guntur	2 x 16	1 x 31.5+1x 16	15.50	10-08-2016
14	132 KV SS NTS	Nellore	1 x 31.5+2x 16	2 x 31.5+1x 16	15.50	19-08-2016
15	132 KV SS Vinukonda	Guntur	1 x 31.5+1 x 16	2 x 31.5	15.50	20-08-2016
16	132 KV SS Parvathipuram	Vizianagaram	2 x 16	1 x 31.5+1x 16	15.50	18-10-2016
17	132 KV SS Balapanur	YSR (Kadapa)	1 x 31.5+1 x 16	2 x 31.5	15.50	27-10-2016
18	132 KV SS Chendodu	Nellore	2 X 31.5	1x 50+1x 31.5	18.50	17-11-2016
19	132 KV SS Vempally	YSR (Kadapa)	2 X 31.5	2 x 31.5+1x 16	16.00	27-11-2016
20	132 KV SS Burrakayalakota	Chittoor	2 X 31.5	1x 50+1x 31.5	18.50	23-12-2016
21	132 KV SS Bheemavaram	West Godavari	1x31.5+1x50	2 x 50	18.50	31-12-2016
22	132KVSS Martur	Prakasam	2 X 31.5	1x 50+1x 31.5	18.50	31-12-2016
23	132 KV SS Nandikotkur	Kurnool	1 x 31.5+1 x 16	2 x 31.5	15.50	17-12-2016
24	132KV SS Sri Kalahasti	Chittoor	1x 50+1x 31.5	1x 50+2x 31.5	31.50	09-01-2017
25	132 KV SS Nallajarla	West Godavari	1x31.5+1x50	2 x 50	18.50	11-01-2017
26	132 KV SS Naidupeta	Nellore	2 X 31.5	1x 50+1x 31.5	18.50	27-01-2017
27	132KV Chilakaluripeta	Guntur	2 x 50	3 x 50	50.00	04-02-2017
28	132KVSS Kasimkota	Visakhapatnam	2 x 31.5	3 x 31.5	31.50	07-02-2017
29	132KV SS Eluru	West Godavari	2 x 50	1 x 50 + 1 x 80	30.00	09-02-2017
30	132 KV SS Sambepalli	Kadapa	2 x 16	3 x 16	16.00	28-02-2017
31	132 KV SS Cumbum	Prakasam	1 x 31.5+2x 16	2 x 31.5+1x 16	15.50	09-03-2017
32	132 KV SS PT Palli	West Godavari	1x 50+2x 31.5	2x 50+1x 31.5	18.50	17-03-2017
33	132 KV SS Tangutur	Prakasam	2 x 16	1 x 31.5+1x 16	15.50	18-03-2017
34	132 KV SS Rayadurg	Ananthapur	1x 50+1x 31.5	2 x 50	18.50	21-03-2017
TOTAL 4					668.50	
TOTAL 132 kV,220 kV & 400 kV					2106.50	MVA

7.5 SUBSTATIONS (DISTRICT WISE) AS ON 31-03-2017						
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	92	100
3.	Visakhapatnam	1	7	16	161	185
4.	East Godavari	1	4	14	163	182
5.	West Godavari	1	5	14	220	240
Total for EPDCL		3	20	57	724	804
APSPDCL						
6.	Krishna	0	6	13	230	249
7.	Guntur	1	4	16	229	250
8.	Prakasam	0	4	17	255	276
9.	Nellore	1	2	14	241	258
10.	Chittoor	1	8	23	365	397
11.	Kadapa	1	12	18	271	302
12.	Anantapur	1	16	16	237	270
13.	Kurnool	2	12	17	214	245
SPDCL		7	64	134	2042	2247
Total for Andhra Pradesh		10	84	191	2766	3051

7.6 EHV TRANSMISSION LINES COMPLETED/COMMISSIONED DURING 2016-17

Sl. No.	Name of the line	No. of Circuits	Route Length in KM	Length circuit in CKM	Date of completion/ Commissioning
400kV lines					
1	400 KV Jammalamadugu - Uravakonda Quad DC line	2	127.622	255.24	15-07-2016
2	400 KV Kamavarapukota - Chinna Korukondi Quad DC line	2	89.356	178.71	20-10-2016
3	Tungabhadra river - Yemmignoor Quad DC line	2	21.635	43.27	19-11-2016
4	400 KV Yemmignoor - Uravakonda Quad DC line	2	102.6	205.20	19-11-2016
5	400 KV Narnoor SS to 400 KV Ghani SS	2	16.26	32.52	25-01-2017
	TOTAL		216.98	714.95	
220kV lines					
1	220 KV RTPP-CHINAKAMPALLY (Kadapa Dt)	2 (III & IV Circuits)	60.518	121.04	16-06-2016
2	220KV DC Twin moose line from 400KV Uravakonda to Vajrakarur	2	16	32.00	14-07-2016
3	2nd ckt stringing on existing 220 KV Garividi-Tekkali feeder in Srikakulam Dt	DC/SC to DC	92	92.00	12-08-2016
4	220 KV DC/SC line from Shapuram to Subbarayunipalli in Ananthapur District	1	9.848	9.85	04-11-2016
5	220 KV DC line from Boksampalli to Shapuram switching station in Ananthapur District	2	7.323	14.65	04-11-2016
6	220 KV DC line from 400 KV SS Uravakonda to 220KV SS Borampalli in Ananthapur District	2	38	76	06-01-2017
7	220 KV DC line from 220/11KV SS Yellanur to 220/11KV SS Gaddamvaripalli in Kadapa Dt	2	4.667	9.334	4-02-2017
8	220 KV DC line from 220/11KV SS Gaddamvaripalli to 220/11KV SS Goddummarri in Kadapa Dt	2	9.115	18.23	15-02-2017
9	220 KV DC line from 220/33 KV SS Ghani to 400 KV SS Ghani in Kurnool Dt	2	2.704	5.408	25-02-2017
10	220KV DC line from 220KV SS Kamavarapukota to 400KV SS Kamavarapukota	2	4.5	9	04-03-2017
11	220 KV Appayyadorapalem -Bobbili 2nd Ckt in Vizianagaram district	1	42	42	29-03-2017
12	220 KV DC line from 220KV SS Palamaneru to 220 KV SS Kuppam	2	65.77	131.54	30-03-2017
13	220 KV Talamanchipatnam -Chakrayapet Dc/SC line in Kadapa Dt	1	61.536	61.536	30-03-2017
14	220 KV DC line from 220/33KV SS Gani PS-1 to 400 KV Gani SS in Kurnool Dt	2	3.215	6.43	31-03-2017
15	220 KV DC line from 220/33KV SS Gani PS-3 to PS-4 in Kurnool Dt	2	3.706	7.412	28-03-2017
	TOTAL			636.42	
132kv lines					
1	132 KV BRANDIX-KORUPROLU LILO to 132KV SS Narasingaballi in visakhapatnam Dt	2	10.665	21.33	30/06/2016
2	2nd ckt stringing on existing 132 KV DC/SC line from 220 KV Rentachintala to Macherla	DC/SC to DC	15.400	15.40	18/07/2016
3	132 KV Gurramkonda-Sambepally DC/SC line in Chittoor Dt	DC/SC	36.820	36.82	02/09/2016
4	132 KV Chandragiri-Tirumala DC/SC line making LILO to 132KVSS Alipiri in Chittoor Dt	2	7.049	14.098	21/09/2016
5	132 KV DC/SC line from 220KVSS Gangavaram Port to 132KVSS Malkapuram in Visakhapatnam Dt	DC/SC	8.262	8.262	28/09/2016
6	Stringing of 2nd circuit on 132 KV Thumukunta to Hindupur in Ananthapur District	DC/SC to DC	22.000	22.000	03/10/2016
7	132 KV LILO from 132KV Gudivada-Sriba line to 132KV SS Chigurukota in Krishna Dt	DC	2.228	4.456	04/10/2016

Sl. No.	Name of the line	No. of Circuits	Route Length in KM	Length circuit in CKM	Date of completion/Commissioning
132kv lines					
8	132 KV LILO from 220KV SS Parchuru to LILO Point of Bapatla in 132KV Parchuru-Guntur line in Prakasam Dt.	DC	4.898	9.796	16/10/2016
9	132 KV DC/SC line from 220KVSS Samalkota to proposed 132KV SS Biccavolu in East Godavari Dt	DC/SC	12.600	12.600	21/10/2016
10	132 KV DC/SC line from 132 KVSS Adurupalli to RTSS Adurupalli in Nellore Dt	DC/SC	18.896	18.896	27/10/2016
11	132 KV DC/SC line from Gurramkonda to Kalicherla in Chittoor Dt (LIS)	DC/SC	17.470	17.470	27/10/2016
12	132 KV DC/SC line from Kalicherla to Bandlavandlapalli in Chittoor Dt (LIS)	DC/SC	16.492	16.492	27/10/2016
13	132 KV LILO from 132KV Gunadala-Kanumolu ckt -II line to 132KV SS Rangannagudem in Krishna Dt	DC	7.104	14.208	21/11/2016
14	132 KV DC/SC line from Sambepalli to Kalicherla in Chittoor Dt (LIS)	DC/SC	28.800	28.800	19/12/2016
15	132 KV DC/SC line from 220KV SS Gollapuram to 132KV SS Thumukunta in Ananthapur Dt	DC/SC	3.273	3.273	26/12/2016
16	132 KV DC/SC line from Muthyalacheruvu to Kothapalli in Ananthapur Dt	DC/SC	9.844	9.844	11/02/2017
17	132 KV DC/SC line from Muthyalacheruvu to Mallayagaripalle in Ananthapur Dt	DC/SC	4.800	4.800	11/02/2017
18	132 KV DC/SC line from 132KV Vinukonda to RTSS Savalyapuram in Guntur Dt	DC/SC	12.500	12.500	18/02/2017
19	2nd Ckt stringing on 132KV Rayachoti-CK Palli DC/SC line in YSR Dt	DC/SC to DC	33.764	33.764	25/02/2017
20	132 KV DC line LILO of both circuits of Santhipuram -Kuppam to Proposed 220KV SS Kuppam	DC	1.000	2.000	30/03/2017
21	132 KV DC line LILO of one circuit of Badvel -Porumamilla to proposed 220KV SS Porumamilla in Kadapa Dt	DC	0.150	0.150	31/03/2017
	Total 132 kV Lines (CKM)			306.96	

7.7 Inter-State and Inter-Regional Tie Line flows - Line wise in MU, Maximum Demand in MW (both Import & Exports) during 2016-17									
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 *
				Exp	Imp	Net	Exp	Imp	hh:mm:ss
1	Kalapaka - Khammam - I	Andhra Pradesh	Telangana	1759.289	0.047	1759.242	475 MW During Mar	**	188:05:00
2	Kalapaka - Khammam - II	Andhra Pradesh	Telangana	1718.901	0.054	1718.847	475 MW During Mar	**	318:54:00
3	400 KV Sattenapalli-Srisailem-1	Andhra Pradesh	Telangana	895.28	26.16	869.12	345MW 29/08/2016 16:00Hrs	237MW 26/09/2016 01:00Hrs	181:03:00
4	400 KV Sattenapalli-Srisailem-2	Andhra Pradesh	Telangana	130.64	1	129.64	321MW 24/02/2017 18:00Hrs	99MW 19/03/2017 17:00Hrs	809:22:00
5	400KV Srisailem-Narnoor	Andhra Pradesh	Telangana	--	--	910.717	218 MW During Dec	590MW During Sep	5532:15:00
6	400KV Ghanapur-Narnoor	Telangana	Andhra Pradesh	--	--	--	--	--	--
7	400 KV Chittoor - Madras	APTRANSCO/AP	PGCIL/TN	508.886	11.33	497.556	330MW During Dec	150MW During dec	24:11:00
8	400 KV Chittoor - Thiruvalam -I	APTRANSCO/AP	PGCIL/TN	1385.35	5.3	1380.05	420MW During Mar	160 MW During Mar	116:20:00
9	400 KV Chittoor - Thiruvalam -II	APTRANSCO/AP	PGCIL/TN	1405.28	7.08	1398.2	570MW During Mar	160 MW During Mar	7:33:00
10	400 KV Kalpaka-PGCIL(Gajuwaka)-1	APTRANSCO/AP	PGCIL	102.327	511.972	-409.645	210MW During Jan17	390 MW During Feb	155:28:00
11	400 KV Kalpaka-PGCIL(Gajuwaka)-2	APTRANSCO/AP	PGCIL	109.295	491.608	-382.313	205MW During Jun	390 MW During Feb	143:30:00
12	400KV Uravakonda-Velloor- I	Andhra Pradesh	Telangana	10.684	0.012	10.672	305.45 MW During March	***	3111:14:00
13	400KV Uravakonda-Velloor- II	Andhra Pradesh	Telangana	0.128	0	0.128	36.18MW During Nov	***	3157:23:00
220KV Lines									
1	220KV Ragulapadu - Allipura	KARNATAKA	Andhra Pradesh	161.53	56.76	104.77	140.18 MW 06/07/2016 (13:00)	84.87 MW 01/05/2016 22:00	14:40:00
2	220 kV Chittoor - Tiruvalam	Andhra Pradesh	Tamila Nadu	453.38	38.85	414.53	201MW During Feb17	135MW During April2016	40:46:00
3	Lower Sileru - KTPS - I	Andhra Pradesh	Telangana	--	--	--	--	--	--
4	Lower Sileru - KTPS - II	Andhra Pradesh	Telangana	--	--	--	--	--	--
5	220 KV B. Kotkur - Wanaparthy Line	Andhra Pradesh	Telangana	63.476	73.636	-10.16	157.8MW During Sep	110MW During April	29:18:00
6	220KV Srisailem-Dindi-I Feeder.	Andhra Pradesh	Telangana	294.836	1.25	293.586	**	**	19:48:00
7	220KV Srisailem-Dindi-II Feeder.	Andhra Pradesh	Telangana	288.2	1.24	286.96	**	**	37:48:00
8	220KV Srisailem - Nagarjuna sagar Feeder	Andhra Pradesh	Telangana	0.316	441.72	-441.404	**	**	212:41:00
9	220 KV Nunna- KTPS	Andhra Pradesh	Telangana	0.00	732.57	-732.57	**	280MW	263:45:00
10	# 220 KV Chillakallu-Suryapet	Andhra Pradesh	Telangana	392.81	45.44	347.37	108MW	84MW	68:05:00
11	# 220 KV Chillakallu-Narketpalli	Andhra Pradesh	Telangana	548.54	0.10	548.44	156MW	**	29:11:00
12	220KV TALLAPALLI - NSR-II FEEDER	Andhra Pradesh	Telangana	699.97	0.00	699.97	190MW 12:00 03/03/2017	**	8:58:00
13	220KV TALLAPALLI - NSR-III FEEDER	Andhra Pradesh	Telangana	391.90	0.00	391.90	104MW 12:00 08/11/2016	**	4:43:00
14	220KV TALLAPALLI - NSR-I FEEDER	Andhra Pradesh	Telangana	714.08	0.00	714.08	184MW 12:00 03/03/2017	**	26:11:00
15	220KV TALLAPALLI - CHALAKURTHY FEEDER	Andhra Pradesh	Telangana	534.72	0.00	534.72	206MW 17:00 07/03/2017	**	17:41:00
16	220KV Sullurpeta-Gummidipudi	Andhra Pradesh (APTRANSCO)	Tamila Nadu	184.70	32.65	152.05	139MW 10:00 27/03/2017	182 MW 03:00 17/05/2016	399:25:00

132 KV Lines									
1	132 KV Tangeda-Wadapalli	Andhra Pradesh	Telangana	0	342.83	-342.83	**	95.42MW 12:00 27/10/2016	1:55:00
2	132 KV Piduguralla-Wadapalli	Andhra Pradesh	Telangana	699.97	0	699.97	35 MW 20:00 16/05/2016	**	5:27:00
3	132 kv Chillakallu-Madhira	Andhra Pradesh	Telangana	94.369	0	94.369	23MW During Nov16	**	14:58:00
4	132 kv Chillakallu-Khammam	Andhra Pradesh	Telangana	0	0	0	**	**	***
5	132 kv Chillakallu-Kusumanchi	Andhra Pradesh	Telangana	5.62	2.058	3.562	20MW During Nov2016	25.4MW During Apr16	Nil
6	132 kv Chillakallu-Seethapuram	Andhra Pradesh	Telangana	68.809	30.062	38.747	46MW during Oct16	28MW during Jun16	10:05:00
7	132 kv Chillakallu-Ramapuram	Andhra Pradesh	Telangana	93.039	19.519	73.52	76MW duringOct16	25MW during May16	12:56:00
8	132 kv Chillakallu-Bonakallu Railway-I	Andhra Pradesh	Telangana	20.597	0	20.597	14MW during Feb17	**	12:04:00
9	132 kv Chillakallu-Bonakallu Railway-II	Andhra Pradesh	Telangana	28.13	0	28.13	15MW during Jul16	**	9:09:00
10	132 kv Chillakallu-Kodad	Andhra Pradesh	Telangana	266.747	0	266.747	59MW during Mar17	**	1:30:00
11	132KV Guntakal-Humpi	Andhra Pradesh	Karnataka	1.902	64.134	-62.232	2MW 05/12/2016 19:00	31MW 12/09/2016 23:00	23:53:00
12	132KV AP Carbides-Alampur -I	Andhra Pradesh	Telangana	**	**	21.384	52MW	24.77MW	25:01:00
13	132KV AP Carbides-Alampur -II	Andhra Pradesh	Telangana	**	**	51.226	76MW	41MW	75:32:00

* 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.

220KV Chillakallu-Narketpalli-I is renamed as Chillakallu-Suryapet and Chillakallu-Narketpalli-II is renamed as Chillakallu-Narketpalli WEF 21/12/2016

7.8 (A) APTRANSCO PURCHASES OF ENERGY

Year	Purchases from APGENCO			Purchases , imports and wheeled									Gross Total/ bus Available	Ex-
	Hydel	Thermal	Total	Central Sector (NTPC,NLC MAP,etc)	NTPC (ER)	PTC	APGPCL	GRID Co	M.P +GEB,WR +PSEB +CSEB	Private Projects (excl-3rd party)	Captive & others	3 rd party energy 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 (Apr&May)	621.37	5702.66	6324.03	6898.06			172.60			806.71	1020.36	163.64	9061.37	15385.40
2014-15 (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 Sector (NTPC,NLC 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
2016-17	2180.52	14378.91	16559.43	11639.60	84.62	7998.42	4986.00	11369.18	36077.82	52637.25

7.8(B) SALE OF ENERGY AND SYSTEM LOSSES(Incl3rd party Energy)

Year Ending March	Total Energy Handled*	Energy sold to Discoms (#)	Transmission Losses	Sales within the State\$	Energy assessed n theft&pilferag &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+Interstate)	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	
2016-17	54770.55	51488.76	2.92	47822.87	1708.36	22.07	48392.34	6378.21	11.65	

7.8 © ENRGY BALANCE SHEET 2016-17

S.No	Particulars	2016-17 (From Apr-16 to Mar -17)
1	Input from State Generators including wheeling	46403.65
2	CGS (Ex-Bus)	6824.61
3	System Input at 132 kv & above including Wheeled Energy (1+2)	53228.26
4	Energy delivered by Transco to Discoms Including Wheeled Energy	51488.76
5	Transmission Losses (Incl.Wheeling) (3-4) inclusive of PGCIL losses	1739.50
6	% Transmission Losses (Incl wheeling) on respective Inputs{(5/3*100)} inclusive of PGCIL losses	3.27
6a	% Transmission Losses (Incl wheeling) on respective Inputs{(5-11)/(3-11)*100)} exclusive of PGCIL losses	2.92
7	Net wheeled Energy at 132 KV & above by Third Party Developers	379.340
8	Energy delivered by Transco to Discoms Excluding Wheeled Energy at 132 KV & above (4 - 7)	51109.42
9	Drawls at 33 KV & 11 KV from TP developers	1708.36
10	Drawls at 33 KV & 11 KV from Genco	22.07
11	External losses (PGCIL losses)	188.15
12	Input to Discoms (Incl Wheeling Energy)(8+9+10)	52839.85
13	Discoms sales of Energy (Excl Wheeling)	47822.87
14	Net Wheeled Energy at 33 KV & Below by Third Party Developers	190.13
15	Discoms sales of Energy (Incl. Wheeling) (13 + 14)	48013.00
16	Distribution Losses (Incl. wheeling) (12-15)	4826.85
17	% Distribution losses (Incl.Wheeling) on respective inputs { (16/12)*100 }	9.13
18	T & D Input (Ex-Bus Availability) (3+9+10)	54958.69
19	T & D Sales (Incl.Wheeling) by Discoms (15+7)	48392.34
20	T & D Losses (Incl. Wheeling) (18-19)	6566.35
21	%T & D losses (Incl.wheeling) &(Incl SR Losses) (20/18*100)	11.95
22	%T & D losses (Incl.wheeling) (Excluding SR Losses)	11.65

**7.9 CATEGORY-WISE SERVICES AS ON 31.3.2017
(EXCLUDING R.E.S.CO-OPERATIVES)**

Sl 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	708459	57182	3310	312	30961	4816	5488	277	810805	313	811118
2	VIZIANAGARAM	535528	46352	2955	129	35285	3562	4051	63	627925	296	628221
3	VISAKHAPATNAM	1187293	134596	5533	381	27588	7572	6126	337	1369426	1120	1370546
4	EAST GODAVARI	1352529	140811	12406	1106	49886	6019	14991	222	1577970	981	1578951
5	WEST GODAVARI	1032066	115737	14874	349	95526	6513	12194	149	1277408	640	1278048
	TOTAL APEPDCL	4815875	494678	39078	2277	239246	28482	42850	1048	5663534	3350	5666884
6	KRISHNA	1381005	137882	19158	1040	99830	8025	13691	26	1660657	1387	1662044
7	GUNTUR	1623599	150017	15125	349	104323	6926	10529	189	1911057	1116	1912173
8	PRAKASAM	1033748	75216	9879	580	161772	7144	8376	322	1297037	525	1297562
9	NELLORE	968600	80821	25762	738	172123	9271	7708	94	1265117	607	1265724
10	CHITTOOR	1267070	109038	12174	7107	275291	20650	10390	736	1702456	877	1703333
11	KADAPA	743741	62151	5366	573	154730	5531	5004	3	977099	367	977466
12	ANANTAPUR	1032975	73443	8808	3649	246629	7406	6813	205	1379928	394	1380322
13	KURNOOL	1019353	71277	8774	572	153857	6774	6427	146	1267180	335	1267515
	TOTAL APSPDCL	9070091	759845	105046	14608	1368555	71727	68938	1721	11460531	5608	11466139
TOTAL FOR A.P.		13885966	1254523	144124	16885	1607801	100209	111788	2769	17124065	8958	17133023

7.9(a) CATEGORY WISE SERVICES OF RESCOs AS ON 31-03-2017

Sl. No.	Name of RESCO and District	I	II	III	IV	V	VI	VII	VIII	Total L.T	Total H.T	Grand Total
1	Cheepurupally (Vizianagaram)	47529	3234	349	102	5635	351	501	1	57702	-	57702
2	Anakapally (Vizag)	123547	6708	2689	64	12997	1095	1079	10	148189	-	148189
3	Kuppam (Chittoor)	72954	5230	440	5	30825	1633	830	12	111929	-	111929
Total		244030	15172	3478	171	49457	3079	2410	22	317820	-	317820

7.9B CATEGORY-WISE SERVICES AS ON 31.3.2017

(Including RESCOs)

S.No.	DISTRICT	L.T.CATEGORY									H.T.	TOTAL
		I	II	III	IV	V	VI	VII	Temp	Total LT		
1	SRIKAKULAM	708459	57182	3310	312	30961	4816	5488	277	810805	313	811118
2	VIZIANAGARAM	583057	49586	3304	231	40920	3913	4552	64	685627	296	685923
3	VISAKHAPATNAM	1310840	141304	8222	445	40585	8667	7205	347	1517615	1120	1518735
4	EAST GODAVARI	1352529	140811	12406	1106	49886	6019	14991	222	1577970	981	1578951
5	WEST GODAVARI	1032066	115737	14874	349	95526	6513	12194	149	1277408	640	1278048
	TOTAL APEPDCL	4986951	504620	42116	2443	257878	29928	44430	1059	5869425	3350	5872775
6	KRISHNA	1381005	137882	19158	1040	99830	8025	13691	26	1660657	1387	1662044
7	GUNTUR	1623599	150017	15125	349	104323	6926	10529	189	1911057	1116	1912173
8	PRAKASAM	1033748	75216	9879	580	161772	7144	8376	322	1297037	525	1297562
9	NELLORE	968600	80821	25762	738	172123	9271	7708	94	1265117	607	1265724
10	CHITTOOR	1340024	114268	12614	7112	306116	22283	11220	748	1814385	877	1815262
11	KADAPA	743741	62151	5366	573	154730	5531	5004	3	977099	367	977466
12	ANANTAPUR	1032975	73443	8808	3649	246629	7406	6813	205	1379928	394	1380322
13	KURNOOL	1019353	71277	8774	572	153857	6774	6427	146	1267180	335	1267515
	TOTAL APSPDCL	9143045	765075	105486	14613	1399380	73360	69768	1733	11572460	5608	11578068
	TOTAL FOR A.P.	14129996	1269695	147602	17056	1657258	103288	114198	2792	17441885	8958	17450843

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 Srisaïlam-Sathena palli (DC) feeder	DC	400	330.8
3	400 KV Srisaïlam - Kurnool (SC) feeder	DC	400	100.5
4	400KV KHMM - VSP I & II (400KV B'Padu - Kalpaka)	DC	400	478
5	400KV Uravakonda-Tungabhadra River Feeder I&II	DC	400	124.34
6	220KV Nunna - KTPS SC Line	SC	220	61.15
7	220KV Tallapalli - Nagarjunasagar - I & II feeder	DC	220	20
8	220KV Tallapalli - Nagarjunasagar -III feeder		220	8.8
9	220KV Tallapalli - Chalakurthy feeder		220	8.8
10	220KV Chillakallu - Narketpalli DC line	DC	220	13.45
11	220 KV Brahmankotkur-Wanaparthi line (LIS)	DC	220	18.85
12	220KV Srisaïlam-Dindi-I & II (DC) feeder	DC	220	4.8
13	220 KV N'Sagar Receiving Station – Srisaïlam SC Line	SC	220	11
14	220KV LSR - KTS-I	DC	220	60.17
15	220KV LSR - KTS-II	DC	220	88.2
16	Chittoor - Thiruvalam (Tamilnadu)	SC	220	21.16
17	Sullurpet -Gummadipoondi (Tamilnadu) (Originally Nellore-Ennore)	SC	220	54.6
18	Ragulapadu-Alepura (Karnataka)	SC	220	39.16
19	132KV Nagarjunasagar - RCPH feeder		132	5.3
20	132KV Piduguralla - Wadapalli Ckt-II	DC	132	43.685
21	132KV Tangeda - Wadapalli DC/SC line	DC	132	31.3
22	132KV Chillakallu - Kodada SC line	SC	132	11.72
23	132KV Chillakallu - Vepulasigaram SC line (Ramapuram)	SC	132	15.7
24	132KV Chillakallu - Sitapuram SC line	SC	132	15.7
25	132KV Chillakallu - Khammam SC line	SC	132	11.7
26	132KV Chillakallu - Kusumanchi SC line	SC	132	11.7
27	132KV Chillakallu - Madhira SC line	SC	132	11.2
28	132 KV Sitapuram-KCP line	DC	132	15.7
29	132KV Chillakallu - Bonakallu Railway Traction I & II (DC) feeder	DC	132	22.4
30	132 KV A.P.Carbides - Alampur		132	14.1
31	132 KV A.P.Carbides - Gadwal		132	14.1
32	132KV K.Kota - Aswaraopet I & II	DC	132	62.1
33	132 KV Pratapnagar(Kakinada)-Yanam(pondichery)	SC	132	30.3

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.	LOW TENSION										
	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.	HIGH TENSION										
	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
Grand Total (I+II)		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.	LOW TENSION										
	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.	HIGH TENSION										
	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
Grand Total (I+II)		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.	LOW TENSION										
	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.	HIGH TENSION										
	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.	LOW TENSION																								
	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.	HIGH TENSION																								
	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
	Grand Total (I+II)	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 (Resi AP)		2015-16		2016-17	
		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
I.	LOW TENSION						
	1.Domestic	12648102	10655	13176880	9686	13885966	10446
	2.Non-Domestic	1104366	2440	1173535	2231	1254523	2426
	3.Industrial	134100	2886	137934	2093	144124	2313
	4.Cottage Industries	16029	267	16493	43	16885	45
	5.Agricultural ✧	1509495	7536	1581855	7127	1657258	7627
	6.Public Lighting	91440	583	95274	404	100209	451
	7.General Purpose	105297	269	106975	128	111788	137
	8.Temporary	2205	5	2483	1	2769	1
	Total L.T	15611034	24641	16291429	21712	17173522	23444
II.	HIGH TENSION						
	Total H.T	7835	9466	8348	5177	8958	5861
Grand Total (I+II)		15618869	34107	16299777	26888	17182480	29305

* 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 Residuary AP
		✚ 2000	✚ 2001	✚ 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	11569.99	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

7.12 LINES AND SUB-STATIONS (YEAR - WISE)

I - TRANSMISSION LINES in CKM AND DISTRIBUTION LINES (in KM)

Sl. No	VOLTAGE	At the end of March		
		2015 Residuary AP	2016*	2017
1	400 kV	2400	2892	3607
2	220 kV	8395	9954	10549
3	132 kV	8600	9784	10091
4	33kV	24084	24639	24803
5	11kV	184499	192081	217701
6	L.T Lines in kV	288769	296983	320569
	Total CKM	516747	536333	587320
II - SUB - STATIONS (Nos)				
Sl. No	Voltage (kV)	At the end of March		
		2015	2016	2017
1	400 kV	6	6	10
2	220 kV	71	75	84
3	132 kV	169	180	191
5	33 kV	2633	2728	2766
	Total Nos	2879	2989	3051
6	Distribution Transformers (Nos)	621171	635055	814078
7	DTRs Transformer Capacity (MVA)	21798	22976	28227

* Reconcilled

7.13 DISTRIBUTION LINES AND DISTRIBUTION TRANSFORMERS EXISTING AS ON 31-03-2017					
S.No.	District	Lines in Km			(Nos)
		33 kV	11 kV	L.T	DTRs
APEPDCL					
1	Srikakulam	867	6893	14399	15203
2	Vizianagaram	694	5390	10132	14481
3	Visakhapatnam	1288	7001	17706	26570
4	East Godavari	1522	10776	17996	45568
5	West Godavari	1633	14357	20200	71504
Sub-total		6004	44417	80433	173326
APSPDCL					
6	Krishna	2209	14549	38846	56757
7	Guntur	1983	16208	22331	56914
8	Prakasam	2423	38912	43473	67425
9	Nellore	2188	14916	24754	64442
10	Chittoor	2900	26553	30830	129233
11	Kadapa	1976	22654	22382	108002
12	Anantapur	2712	23688	33535	88858
13	Kurnool	2408	15804	23984	58701
Sub-total		18800	173284	240136	630332
Total for A.P(DISCOMs)		24803	217701	320569	803658
RESCOs Total					10420
Grand Total					814078

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 (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..)	

[illegible]

7.14 POWER RESTRICTIONS (2016-2017)	
2016-17	1.Total Load Shedding in the state during the year 2016-17 : 34.89 MU (Includes Industrial Load relief of Nil MU)
	2.R&C measures to Domestic Sector and Power Holidays to Industries: NIL
	3.Power Supply to Agricultural sector: i)Three Phase Supply : 7 Hours in one or two spells. li)Single phase supply : No single phase supply for agriculture sector.

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

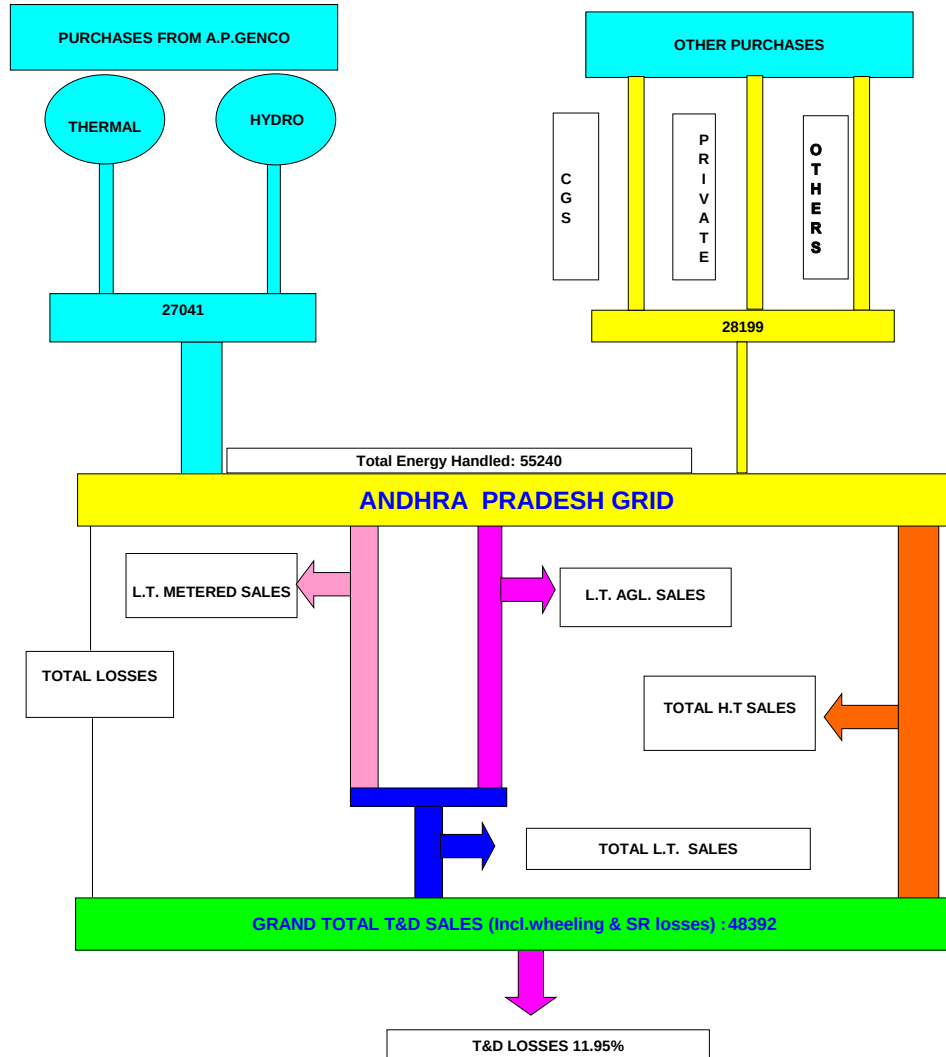
**DISTRICT WISE STATEMENT OF CASES REPORTED AND COMPOUNDED
DURING 2016-17**

S.No.	District/ APTS	No.of cases reported	Assessment amount Collected (In Lakhs)	Cases compounded	Compounding amount collected (in Lakhs)	Persons arrested
	APEPDCL					
1	Srikakulam	1080	18.49	1068	9.34	1
2	Vizianagaram	921	26.17	922	8.24	0
3	Visakhapatnam	939	174.56	943	12.02	0
4	East Godavari	1574	394.25	1561	35.20	0
5	West Godavari	1774	290.68	1760	43.19	0
	Total	6288	904.15	6254	107.99	1
	APSPDCL					
1	Krishna	2181	69.17	2181	30.62	0
2	Guntur	5004	235.76	4467	59.34	3
3	Prakasam	4728	97.00	4376	44.37	1
4	Nellore	4059	335.65	4016	113.54	9
5	Chittoor	6811	52.53	6535	45.87	2
6	Kadapa	14659	251.04	12932	129.95	5
7	Ananatapur	9850	199.16	9728	91.55	1
8	Kurnool	8887	260.65	9727	74.98	1
	Total	56179	1500.96	53962	590.22	22
	Grand Total	62467	2405.11	60216	698.21	23

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

Year	Theft cases registered by APTS	Cases compounded	No. of arrests	Assessed amount Collected (Rs. in lakhs)	Compounding amount Collected (Rs. in lakhs)
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 (Apr-14 to May-14) Combined AP	16542	17038	12	965.82	201.515
2014-15 (Jun-14 to Mar-15) Residuary AP	41654	40634	11	1805.82	426.125
2015-16	61992	60436	6	2024.4	697.3
2016-17	62467	60216	23	2405.11	698.21

A.P.TRANSCO ENERGY BALANCE SHEET 2016-17
(ALL FIGURES IN MU)



8. RURAL ELECTRIFICATION

8.1 - RURAL ELECTRIFICATION PROGRESS AS ON 31-03-2017 AND PROGRAMMED FOR 2017-18

Sl. No.	Particulars	Total Existing in the State as on 31-03-2017 (Nos.)	Total Electrified as on 31-03-2016 (Nos.)	Electrified during 2016-17 (Nos.)	Total Electrified as on 31-03-2017		Balance to be electrified as on 31.03.2017	Programmed to be electrified during 2017-18
					(Nos.)	(%)		
1	Towns (as per 2011 census)	195	195	All electrified	195	100.00	All electrified	All electrified
2	Villages (as per 2011 census)	16158	16158	All electrified	16158	100.00	All electrified	All electrified
3	General Hamlets	24001	23475	0	23475	97.81	526	526
4	Dalitwadas	37402	36312	0	36312	97.09	1090	1090
5	Weaker Section Colonies	22378	21725	0	21725	97.08	653	653
6	Tribal Hamlets/Habitations	6079	5807	543	5807	95.53	272	272
7	SPV Villages	3725	3725	0	3725	100.00	0	0
Sl. No.	Particulars	Total Energized in the State as on 31-03-2017 (Nos.)	Total Energized in the State as on 31-03-2016 (Nos.)	Energized during 2016-17 (Nos.)	Total Energized in the State as on 31-03-2017 (Nos.)	Programmed to be Energized during 2017-18		
8	Total Agricultural services released in the state as on 31.03.2017, released during 2016-17 and proposed to be released during 2017-18.	1657258	1581855	75403	1657258	50000		

8.2- DISTRICT- WISE GENERAL HAMLETS,TRIBAL HAMLETS/HABITATIONS, DALITWADAS AND WEAKER SECTION COLONIES EXISTING, ELECTRIFIED AND PERCENTAGE OF ELECTRIFIED AS ON 31-03-2017

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
	EPDCL															
1	SRIKAKULAM	1305	1305	100.00	914	903	98.80	1922	1922	100.00	1783	1774	99.50	5924	5904	99.66
2	VIZIANAGARAM	779	779	100.00	1180	1180	100.00	1703	1703	100.00	887	863	97.29	4549	4525	99.47
3	VISAKHAPATNAM	1293	1287	99.54	2278	2278	100.00	1265	1265	100.00	816	815	99.88	5652	5645	99.88
4	EAST GODAVARI	939	938	99.89	497	497	100.00	3155	3155	100.00	1867	1859	99.57	6458	6449	99.86
5	WEST GODAVARI	1966	1960	99.69	231	229	99.13	2949	2940	99.69	1448	1439	99.38	6594	6568	99.61
	TOTAL for EPDCL	6282	6269	99.79	5100	5087	99.75	10994	10985	99.92	6801	6750	99.25	29177	29091	99.71
	SPDCL															
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
	TOTAL for SPDCL	17719	17206	97.10	979	720	73.54	26408	25327	95.91	15577	14975	96.14	60683	58228	95.95
	STATE TOTAL	24001	23475	97.81	6079	5807	95.53	37402	36312	97.09	22378	21725	97.08	89860	87319	97.17

**8.3 - VILLAGES ELECTRIFIED WITH SPV PANELS - DISTRICT- WISE LAYING OF
CONVENTIONAL LINES IN PLACE OF DEFUNCT SPV PANELS
AS ON 31.03.2017 AND BALANCE TO BE ELECTRIFIED.**

Sl. No.	District / Discom	Existing (in Nos)	Electrified During 2016-17 (in Nos)	Total Electrified upto 31-03-2017 (in Nos)	% Electrified	Balance to be Electrified as on 31.03.2017	Programmed to be electrified during 2017-18
1	2	3	4	5	6	7	8
	EPDCL						
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
	TOTAL for EPDCL	3328	0	3328	100.00	0	0
	SPDCL						
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
	TOTAL for SPDCL	397	0	397	100.00	0	0
	STATE TOTAL	3725	0	3725	100.00	0	0

**8.4-AGRICULTURAL SERVICES RELEASED IN ANDHRA PRADESH
AS ON 31-03-2017**

S. No.	DISCOM/DISTRICT	Total Agl. services as on 31-03-2016	Agl. services released during 2016-17	Total Agl. services released as on 31-03-2017
EPDCL				
1	SRIKAKULAM	30346	615	30961
2	VIZIANAGARAM	39728	1192	40920
3	VISAKHAPATNAM	39246	1339	40585
4	EAST GODAVARI	48983	903	49886
5	WEST GODAVARI	93537	1989	95526
	TOTAL	251840	6038	257878
SPDCL				
6	KRISHNA	96717	3113	99830
7	GUNTUR	96744	7579	104323
8	PRAKASAM	149676	12096	161772
9	SPS NELLORE	166316	5807	172123
10	CHITTOOR	301914	4202	306116
11	KADAPA	150072	4658	154730
12	ANANTAPUR	228311	18318	246629
13	KURNOOL	140265	13592	153857
	TOTAL	1330015	69365	1399380
	STATE TOTAL	1581855	75403	1657258

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

**(Including R.E.Co-operatives)
(1960 - 2017)**

S. No.	Year	Year -wise Number of Agriculture pump-sets energised	Cumulative Number of Agricultural pump-sets 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
DATA FOR RESIDUAL ANDHRA PRADESH			
54	2014-15	60828	1509495
55	2015-16	72360	1581855
56	2016-17	75403	1657258
★	Pumpsets Energised by RESCOs only.		

8.6 YEAR- WISE REC SCHEMES AS ON 31.03.2017

(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	--
48	2016-17	43	2323.95	--	2197.26	--
	T O T A L	6915	31768.49	789.57	18085.16	661.03

8.7 REC SCHEMES - ACHIEVEMENTS (PHYSICAL)

Electrified as on 31-03-2017

Sl.No.	Particulars	Existing /Target (Nos.)	Achievement (Nos.)	Programmed to be released during 2017-18
1	2	3	4	5
1	SPV Villages	3,725		0
2	General Hamlets	24,001	23,475	526
3	Pump-sets energization during 2016-17	50000	75,403	50,000
4	Dalit Wadas/WSC/Tribal Habitations	65859	63844	2,015

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

1969- 70 TO 2016- 17 (SCHEME- WISE)

(Rs. in Crores)

Sl.No.	Name of the Scheme	No. of Schemes	Loan amount Sanctioned	Loan Amount Released as on 31-03-2017
1	2	3	4	5
1	Interest free new schemes			
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
	RGVY SCHMES			
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 (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)	104	15991.3890	10024.62
8	SI (Conductors)	39		
9	SI (VCBs)	9		
	SI (Lines)	91		
10	SI (Bulk Loans)	25		
11	STL	65		
12	SPDGS	1		
13	CE(P)	2		
14	LT	8		
15	HVDS (Addl.Loan)	228	7062.9394	2078.96
16	APDRP & R-APDRP	178	1713.36369	1016.291
17	SPA: PE (Special Projects Agriculture)	3357	5787.8387	3946.25
18	DDG under RGVY	214	40.9176	9.47
19	DDUGJY	13	321.3130	321.31
20	OTHERS	10	156.8099	29.22
	TOTAL	6915	32635.79	18857.07

8.9 ACCIDENTS

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	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
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 #	15-16	2016-17
		19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37
1.	DEPARTMENTAL																			
	A) Fatal	33	52	64	60	55	65	79	77	108	66	71	101	178	343	171	27	18	317	22
	B) Non-Fatal	71	24	34	43	61	61	47	40	34	68	83	88	63	75	65	40	13	87	8
	Total	104	76	98	103	116	126	126	117	142	134	154	189	241	418	236	67	31	404	30
2.	NON-DEPARTMENTAL																			
	A) Fatal	277	177	307	250	442	549	510	595	472	673	887	826	774	554	903	895	391	114	265
		(a-90)																	(a-212)	(a-200)
	B) Non-Fatal	46	34	40	73	96	150	120	142	78	117	166	195	161	87	123	133	68	12	10
	Total	323	211	347	323	538	699	630	737	550	790	1053	1021	935	641	1026	1028	459	126	275
3.	GRAND TOTAL																			
	A) Fatal	310	229	371	310	497	614	589	672	580	739	958	927	952	897	1074	922	409	431	287
	B) Non-Fatal	117	58	74	116	157	211	167	182	112	185	249	283	224	162	188	173	81	99	18
	Total	427	287	445	426	654	825	756	854	692	924	1207	1210	1176	1059	1262	1095	490	530	305

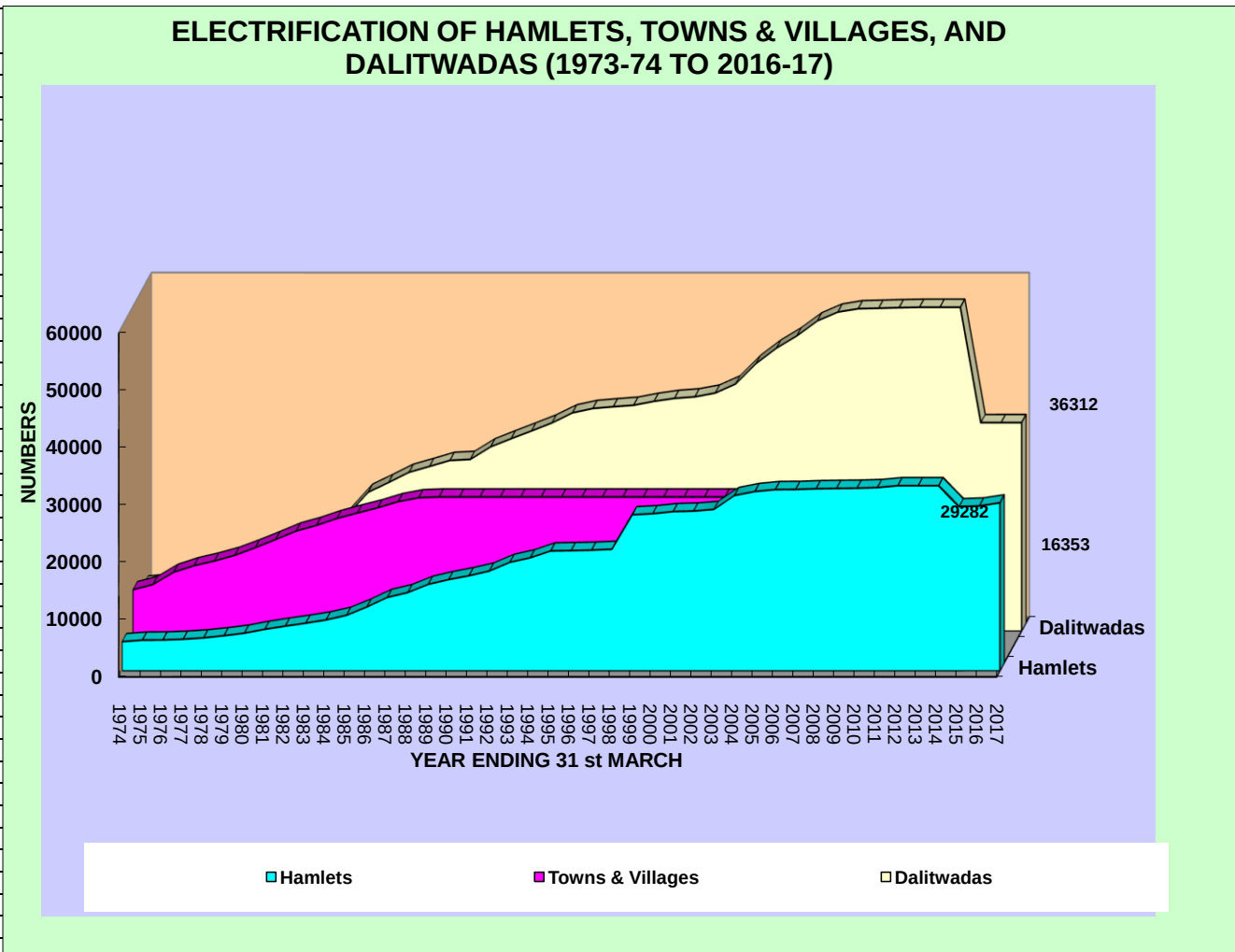
a = Animal

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)

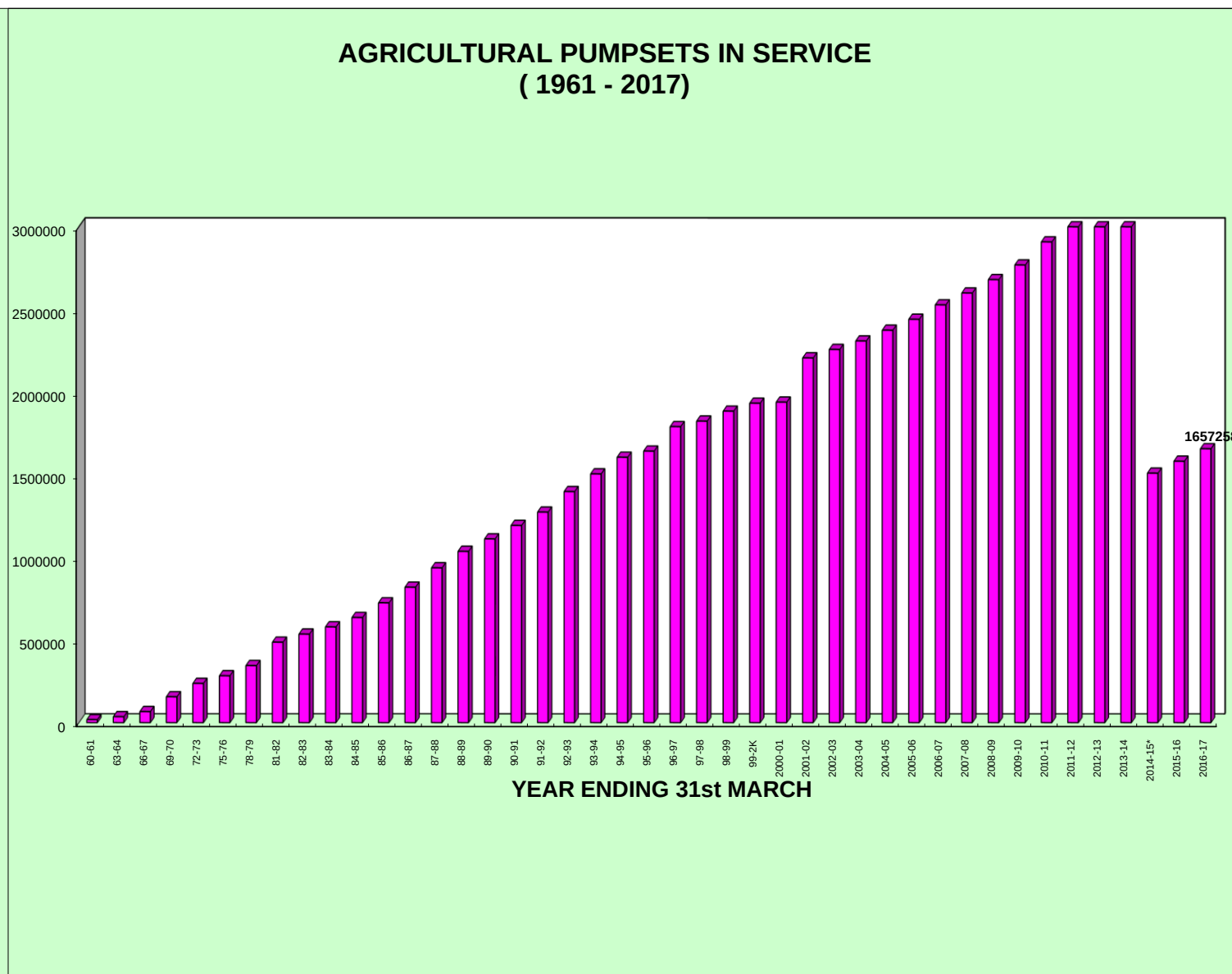
Data for residual AP(Transco & Discoms)

Year	Hamlets	Towns & Villages	Dalitwadass
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	16353	36309
2016	28739	16353	36312
2017	29282	16353	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
2016-17	1657258

NUMBERS



* Figures indicate for residual A.P

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
A.	CAPITAL EXPENDITURE	479.04	648.57	893.46	1015.56	1216.85	1368.91	1018.18	1018.02	910.49	272	1118.62
	DEBT REPAYMENT											
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)											
	TOTAL CAPITAL OUTGOINGS	617.00	782.18	1068.76	1275.53	1669.90	2113.07	1789.21	2159.37	2045.18	462.96	1833.48
B	CAPITAL RECEIPTS											
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	--	--	--	--	--	-			
	TOTAL	666.9	834.57	1160.42	1708.28	2209.95	2285.19	1908.04	3210.99	2746.16	1304.41	5712.48

* 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 Vidyut 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
A.	CAPITAL EXPENDITURE	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
A1.	DEBT REPAYMENT															
1.	Government (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 Voluntry Loans, 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
	TOTAL CAPITAL OUTGOINGS	1077.44	1199.14	1118.72	2244.5	1180.37	634.41	688.33	697.74	840.49	1208.83	1413.00	1547.24	1509.14	1812.28	1188.41
B	CAPITAL RECEIPTS															
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 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 Connection) Lines other than Revenue Cap- 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
	TOTAL	832.87	1132.49	1662.70	2048.12	587.52	634.41	688.33	697.74	840.49	1208.83	1413.00	1547.24	1509.14	1812.28	1188.41

@ 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 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	2014-15	2015-16	2016-17
A.	CAPITAL EXPENDITURE	968.70	2148.45	2300.44
A1.	DEBT REPAYMENT			
1.	Government (From 2004-05 excl. Swapping)	2.14	2.14	2.43
2	REC	51.87	75.28	100.31
3	P.F.C	84.94	39.65	48.58
4	others./Banks	80.76	76.05	235.04
	TOTAL CAPITAL OUTGOINGS	1188.41	2341.57	2686.80
B	<u>CAPITAL RECEIPTS</u>			
1.	Government Loans	0.00	0.00	0
2.	C E A			
3.	Open Market Loan			
4.	REC	511.87	1096.04	1002.21
5.	L.I.C			
6.	Banks & Others including Voluntary Loan Repayment	151.05	154.88	236.19
7.	I.D.B.I.			
8.	P.F.C.	35.33	185.02	214.26
9.	B.H.E.L./SIDBI			
10.	Assistance from Central sponsored Scheme			
11.	Contribution to Depreciation	251.22	274.06	335.95
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	-174.05
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	1072.24
	TOTAL	1188.41	2341.57	2686.80

9.2 Abstract Balance Sheet (T+D) as on 31st March 2017

(Rs. in Crores)

Particulars	Total (T+D)	Particulars	Total (T+D)
<u>LIABILITIES:</u>		<u>ASSETS</u>	
Loans from Government	33.00	Fixed Assets	26967.05
Equity from Government	934.39	Accumulated Depreciation	(12280.57)
Deferred Tax Liability	112.23	Works-in-progress	5330.38
Cash Credit, OD & other short term borrowings	326.56	Other Assets	558.68
Other Grants	5736.05	Loans to discoms by APTRANSCO	517.79
Consumer Contribution	3847.47	Investments	
Long term Capital Liabilities		Equity in Joint Ventures	384.24
APSEB Bonds & Vidyut Bonds	0.00	Others	135.32
LIC	0.00	Current Assets	
REC & SPA	3979.67	Stocks	486.16
PFC	1561.07	Cash and Bank Balances	905.74
Inter Corporate Funds	0.00	Loans and Advances	10006.79
VLC	0.00	Sundry Receivables	4193.84
Banks & Others	7891.58	Deferred Tax Asset	0.00
Long Term Provisions	1276.53		
Other Long term liabilities	2464.49		
Reserves and Reserve Fund			
Reserves	4386.99		
Reserve Funds (PF & Pen.SF)	277.21		
Security Deposit from Consumers	3510.75		
Current Liabilities	16544.36		
Surplus	(15676.93)		
Total Liabilities:	37205.42	Total Assets:	37205.42

9.2 Abstract Balance Sheet (T+D) as on 31st March 2017

(Rs. in Crores)

Particulars	Transco	EPDCL	SPDCL	Total (T+D)	Particulars	Transco	EPDCL	SPDCL	Total (T+D)
<u>LIABILITIES:</u>					<u>ASSETS</u>				
Loans from Government	4.24	19.28	9.48	33.00	Fixed Assets	8827.27	5476.61	12663.17	26967.05
Equity from Government	454.44	121.23	358.72	934.39	Accumulated Depreciation	(3206.80)	(2714.90)	(6358.87)	(12280.57)
Deferred Tax Liability	112.23	0.00	0.00	112.23	Works-in-progress	2563.26	418.52	2348.60	5330.38
Cash Credit/OD & other short term borrowings	0.00	326.56	0.00	326.56	Other Assets	119.68	136.23	302.77	558.68
Other Grants	160.85	318.18	5257.02	5736.05	Loans to Discoms	517.79	0.00	0.00	517.79
Consumer Contribution	542.91	1214.87	2089.69	3847.47	Investments				
Long term Capital Liabilities					Subsidiaries	31.88	146.27	206.09	384.24
APSEB Bonds & Vidyut Bonds	0.00	0.00	0.00	0.00	Others	35.55	19.13	80.64	135.32
LIC	0.00	0.00	0.00	0.00					
REC	3005.52	974.15	0.00	3979.67	Current Assets				
PFC	463.34	1097.73	0.00	1561.07	Stocks	224.55	168.19	93.42	486.16
Inter Corporate Funds	0.00	0.00	0.00	0.00					
VLC	0.00	0.00	0.00	0.00	Cash and Bank Balances	107.52	292.91	505.31	905.74
Banks & Others	400.85	0.00	7490.73	7891.58	Loans and Advances	137.90	4120.21	5748.68	10006.79
Long term provisions	198.72	371.56	706.25	1276.53	Sundry Receivables	159.76	1303.42	2730.66	4193.84
Other long term liabilities	151.16	670.00	1643.33	2464.49					
Reserves and Reserve Fund					Deferred Tax Asset	0.00	0.00	0.00	0.00
Reserves	1004.88	3106.23	275.88	4386.99					
Reserve Funds (PF & Pen.SF, CR)	226.95	9.36	40.90	277.21					
Security Deposit from Consumers	0.00	1318.04	2192.71	3510.75					
Current Liabilities	1654.23	3149.25	11740.88	16544.36					
Surplus	1138.04	(3329.85)	(13485.12)	(15676.93)					
Total Liabilities:	9518.36	9366.59	18320.47	37205.42	Total Assets:	9518.36	9366.59	18320.47	37205.42

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 (Up to 1/99)	1998-99 (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)	REVENUE RECEIPTS																	
	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 (Annual 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
	TOTAL (A)	8021	9008	8840	10089	10981	11589	12362	13947	16957	23069	24509	28189	34620.43	35847.47	39900.26	23899.00	24875.26
B)	REVENUE EXPENDITURE																	
	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 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
	TOTAL (B)	7104	8245	8335	8725	9745	10207	10598	12242	15221	20887	21782	25042	30339.02	48468.75	37259.22	24041.04	25971.32
C)	GROSS OPERATING RESULTS (A-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)
	OTHER EXPENSES																	
	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
	2.Balance Surplus	615.60	429.21	81.38	865.87	664.81	713.90	1005.68	832.13	827.74	1111.48	1507.12	1761.29	2730.31	(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
	TOTAL Interest charges	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
	TOTAL SURPLUS/LOSSES	0	0	(366)	(240)	(70)	62	321		188	191	186	176	424.02	(17154.32)	(1310.19)	(2331.66)	(3767.78)
	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
	NET SURPLUS/ (DEFICIT)	0	0	(366)	(222)	(76)	57	291	110	143	105	136	88	297.95	(17092.77)	(1278.43)	(2349.54)	(3816.29)

9.3 REVENUE RECEIPTS & EXPENDITURE (Transco & Discoms)

(Rs.in crores)

Sl.No.	Details	2015-16	2016-17
A)	REVENUE RECEIPTS		
	1.By sale of Power	18709.98	20304.16
	By sale of power-Inter state	564.17	191.04
	2.Miscellaneous(including NTI&ED)	400.05	489.7
	3.Subsidy	3186	3289.42
	4.Transmission and SLDC Charges (Annual fee,Open Access)	842.6	981.96
	5.Other income	774.65	1034.65
	6.Capital contribution	397.81	458.16
	TOTAL (A)	24875.26	26749.09
B)	REVENUE EXPENDITURE		
	1.Power Purchase	21745.39	22447.31
	2.O&M Expenses	225.96	725.37
	3.Establishment, General & office expenses	3073.82	2503.05
	4.State Electricity Duty.	182.6	196.38
	5.Others (RBDD)		
	6. Prior period Charges(Credits)	(1.60)	73.44
	7 Expenses capitalised		
	8.Incentive to HT Consumers	0	0
	9.other debits	21.75	96.9
	10.Transmission and SLDC Charges	723.4	0
	TOTAL (B)	25971.32	26042.45
	GROSS OPERATING RESULTS (A-B)	(1096.06)	706.64
C)	OTHER EXPENSES		
	1.Depreciation	1263.36	1425.49
	2.Balance Surplus (Less Depreciation)	(2359.42)	(718.85)
	3.Interest Charges :		
	a)On Loans from Institutional creditors	1651.48	958.36
	b)On Loans from State Government	0.48	685.06
	c)Less: IDC	246.15	102.73
	TOTAL Interest charges	1405.81	1540.69
	Extraordinary items	0	86.83
	Contingency Reserve	2.55	2.42
	TOTAL SURPLUS/LOSSES	(3767.78)	(2175.13)
	MAT credit entitlement of earlier years	28.59	24.11
	Provision for Tax	28.59	33.47
	Provision for deferred tax	48.51	53.01
	NET SURPLUS/ (DEFICIT)	(3816.29)	(2237.50)

9.3.(A). Revenue Receipts and Expenditure (T+D) for the year 2016-17

(Rs in crores)

Particulars	TRANSCO	EPDCL	SPDCL	Total (D)	Total (T+D)
<u>A. Revenue Receipts</u>					
Sale of Power	0.00	7639.67	12664.49	20304.16	20304.16
Sale of Power - Interstate/UT/inter Discom	0.00	136.13	54.91	191.04	191.04
Miscellaneous	0.00	359.32	130.38	489.70	489.70
Transmission & SLDC Charges - Discoms	0.00	0.00	0.00	0.00	0.00
Transmission & SLDC Charges - others (incl. Annual fee, Open Access)	981.96			0.00	981.96
Capital Contributions	34.70	155.03	268.43	423.46	458.16
Other income	172.59	294.21	567.85	862.06	1034.65
Subsidy	0.00	135.94	3153.48	3289.42	3289.42
Total Revenue:	1189.25	8720.30	16839.54	25559.84	26749.09
<u>B. Revenue expenditure:</u>					
Purchase of power	0.00	7371.19	15076.12	22447.31	22447.31
Transmission & SLDC Charges	0.00	0.00	0.00	0.00	0.00
O & M Expenses	189.18	107.24	428.95	536.19	725.37
Establishment (incl. Adm & Gen. Exp)	302.33	854.06	1346.66	2200.72	2503.05
State Electricity Duty	0.00	77.88	118.50	196.38	196.38
Incentive to HT consumers	0.00	0.00	0.00	0.00	0.00
Other Debits	0.00	96.90	0.00	96.90	96.90
Prior Period Charges/ (Credits)	0.00	0.00	73.44	73.44	73.44
Total B	491.51	8507.27	17043.67	25550.94	26042.45
Gross operating results (A - B)	697.74	213.03	(204.13)	8.90	706.64
<u>C. Other Expenses:</u>					
Depreciation	335.95	305.78	783.76	1089.54	1425.49
Balance Surplus (Less Depreciation)	361.79	(92.75)	(987.89)	(1080.64)	(718.85)
Interest & finance Charges					
On loans from Institutions & others	205.51	435.39	317.46	752.85	958.36
from State Govt.	0.00	0.00	685.06	685.06	685.06
Less: IDC	0.00	0.00	102.73	102.73	102.73
Total Interest & finance Charges	205.51	435.39	899.79	1335.18	1540.69
Extraordinary items		86.83	0.00	86.83	86.83
Contingency Reserve		0.00	2.42	2.42	2.42
Total Surplus	156.28	(441.31)	(1890.10)	(2331.41)	(2175.13)
MAT credit entitlement of earlier years	24.11	0.00	0.00	0.00	24.11
Provision for Tax/(MAT credit)	33.47	0.00	0.00	0.00	33.47
Provision for Deferred Tax/(Deferred Tax Asset)	53.01	0.00	0.00	0.00	53.01
Net Surplus / (Deficit)	93.91	141(441.31)	(1890.10)	(2331.41)	(2237.50)

9.4 PERCENTAGE OF INCOME AND EXPENDITURE FOR THE PERIOD (1990-91 TO 1998-99)

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)
A)	REVENUE RECEIPTS										
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)	REVENUE EXPENDITURE										
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
C)	OTHER EXPENSES										
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

contd..

9.4 PERCENTAGE OF INCOME AND EXPENDITURE FOR THE PERIOD (1999-2000 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
		%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
A)	REVENUE RECEIPTS																
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)	REVENUE EXPENDITURE																
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
C)	OTHER EXPENSES																
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 PERIOD (2014-15 TO 2016-17)

Sl.No.	I t e m s	2014-15	2015-16	2016-17
		%	%	%
A)	REVENUE RECEIPTS			
1	By Sale of Power	70.78	75.22	75.91
1(a)	By interstate sale of power	2.43	2.27	0.71
2	Miscellaneous	1.42	1.61	1.83
3	Subsidy	13.08	12.81	12.3
4	Others	6.25	3.11	3.87
5	Capital Contributions	1.49	1.6	1.71
6	Transmission and SLDC Charges	4.56	3.39	3.67
	TOTAL (A)	100.0	100.0	100.0
B)	REVENUE EXPENDITURE			
1	Power Purchase	72.61	75.92	77.38
2	O&M Expenses	1.42	0.79	2.50
3	Establishment, General & office Exp	13.32	10.73	8.63
4	Central Electricity/ State Electricity Duty	0.62	0.64	0.68
5	Net prior period charges	0.00	(0.01)	0.25
6	Expenses capitalised			
7	Others	0.69	0.08	0.33
8	Incentives to HT consumers	0	0.00	0.00
9	Transmission and SLDC Charges	2.99	2.53	0.00
C)	OTHER EXPENSES			
1	Depreciation	4.29	4.41	4.91
2	Interest Charges	4.05	4.91	5.31
3	Taxes	0.00	0	0.00
4	Contingency Reserve	0.01	0.01	0.01
	TOTAL (B + C)	100.0	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
36	2016-17	-	-	380.00	2016-17	380.00	469.86	428.00

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
18	2016-17	4.3	288.17	652.15	419.42

9.6 COST OF COAL AS ON 31-03-2017				
Sl.No.	Thermal Station	Source of supply	(Rs. / Metric Ton)	GRADE
1	R.T.P.P	SCCL		
		Yellandu	3450.19	G13
		Yellandu	3416.70	G14
		Yellandu	3613.55	G15
		Rudrampur	3348.21	G13
		Manuguru	3450.19	G13
		Ramagundam	4809.42	G9
		Ramagundam	4039.96	G11
		Mandamarri	4075.42	G11
		Mancherial (Sri Rampur)	4844.88	G9
		Manuguru	5796.90	G7
		MCL		
		All Rail route	4099.95	G12
			4048.76	G13
2	Dr.NTTPS	SCCL		
		Yellandu	2816.80	G13
		Yellandu	2700.96	G15
		Rudrampur	2781.40	G13
		Manuguru	4854.92	G7
		Ramagundam	4203.19	G9
		Ramagundam	3541.41	G11
		Mancherial (Sri Rampur)	4203.19	G9
		Mandamarri	3541.41	G11
		Manuguru	3031.69	G13
		MCL,		
		All rail route	2876.66	G10
			2825.53	G12

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

9.7 COST OF OILS AS ON 31-03-2017				
		Furnace Oil (Rs/Kl)	HSD Oil (Rs/Kl)	LDO(Rs/Kl)
1	(Dr.NTTPS) V.T.P.S	20726.00	55031.00	-
2	R.T.P.P	30998.00	-	43857.00

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

9.8 RATES OF POWER PURCHASE

S .No.	Source	Period		Rate Ps/Kwh		Remarks			
		From	To						
1	Neyveli Lignite Corpn	1.4.86	31.3.87	51.00					
		1.4.87	31.3.88	52.00					
	Thermal St-II	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					
NLC	Stage-II		FC	55.99					
			VC	180.14					
NLC	Stage-I	12-13	FC	64.27					
			VC	197.74					
NLC	Stage-II		FC	64.02					
			VC	215.53					3003366109
NLC	Stage-I	13-14	FC	73.53					
			VC	215.21					
NLC	Stage-II		FC	71.09					
			VC	205.37					3003366109
NLC	Stage-I	14-15		315.44					
	Stage-II	14-15		306.62					

9.8 RATES OF POWER PURCHASE

S .No.	Source	Period		Rate Ps/Kwh		Remarks			
		From	To						
NLC	Stage-I	15-16	FC	68.57					
			VC	317.02					
	Stage-II	15-16	FC	66.68					
			VC	237.00					
NLC	Stage-I	16-17	FC	85.91	336.74				
			VC	250.83					
	Stage-II	16-17	FC	86.29	525.77				
			VC	439.48					
2	Madras Atomic Power Station (NPC)	21.3.86	31.3.91	44.48 +FAC		** Period	FAC(Ps)		
						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	
		1.4.91	16.7.96	63.47 +FAC		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 +FAC		1.12.95 28.2.95	18.09	paise	
				+HWAC		1.3.96 31.7.96	18.25	paise	
		1.11.97	onwards	128.78 +FAC		1.8.96 30.11.96	2.03	paise	
				+HWAC		1.12.96 onwards	4.62	paise	
		1.11.98	30.9.99	128.78 +FAC		11.4.97 onwards	17.07	paise	
				+HWAC		1.11.97 onwards	17.11	paise	
		1.10.99	31.10.99	132.47 +FAC		1.4.98 31.10.98	17.28	paise	
				+HWAC		1.11.98 31.3.99	19.76	paise	
		1.11.99	30.4.2k	135.69		4/02	2.41	HWC	
				+FAC		5/02 3/03	3.62	(FAC+HWC)	
				+HWAC		4/03	5.79	(FAC+HWC)	
						5/03 onwards	9.31	(FAC+HWC)	
						(Fuel adjustment charges(FAC) includes decommissioning charges,			
		1.5.2k	31.3.01	135.69		fuel and heavy Water Lease & Make up adjustment charges.			
				+FAC		The basic costs adopted for UO2 is Rs.2291/Kg & for Heavy			
				+HWAC		Water Rs.4292/Kg; Heavy Water lease at 8% of Rs.4292/Kg			
		1.4.01	31.3.02	135.69		(FAC on 31.3.91 : 14.23 Ps)			
				+FAC					
		1.4.02	onwards	210.51		+HWAC Fuel Adjustment charges(FAC) includes above charges.			
				+FAC		The basic cost adopted for Uos is Rs4700/Kg,			
		4/02		210.51		for Heavy Water Rs.5783/Kg and			
			+HWAC	2.41		Heavy water lease at 12% of Rs.5783/Kg.			
				212.92		(FAC as on 31.3.91 : 8.55 ps)			
		5/02	3/03	210.51					
			+FAC	1.21					
			+HWAC	2.41					
				214.13					
		4/03		210.51					
			+FAC	1.21					
			+HWAC	4.58					
				5.79					
		5/03	2/04	210.51					
			+FAC	4.73					
			+HWAC	4.58					
				219.82					

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)	3/04		203.76	
			+FAC	4.73	
			+HWAC	4.58	
				213.07	
		4/04		202.51	
			+FAC	4.73	
			+HWAC	-20.95	
			Ins	1.30	
				187.59	
		5/04 to 8/04		202.51	
			+FAC	8.51	
			+HWAC	-20.95	
			Ins	1.30	
				191.37	
		9/04		202.51	
			+FAC	8.51	
			+HWAC	-20.95	
			Ins	1.28	
				191.35	
		10/04 & 11/04		202.51	
			+FAC	8.51	
			+HWAC	-20.95	
			Ins	1.29	
				191.36	
		12/04 to 3/05		202.51	
			+FAC	8.51	
			+HWAC	-20.95	
			Ins	1.40	
				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	
		10/06' to 03/07			
		Basic rate		181.18	
		+HWAC		0.07	
		Insurance up to Nov'06		0.74	
		From 12/06 to 3/07'		0.62	
		2007-08		200.33	
		2008-09		191.60	
		2010-11		197.67	
		2011-12		209.77	
		2012-13		204.14	
		2013-14		207.39	
		2014-15		207.69	
		2015-16		208.90	
		2016-17		219.09	
					Average rate taken by dividing total amount by total units

9.8 RATES OF POWER PURCHASE

Sl.No.	Source	Period		Rate Ps/Kwh		Remarks	
		From	To				
1	2	3	4	5			
3	NPC(Kaiga)	2007-08		295.20		Average rate taken by dividing total amount by total units	
		2008-09		308.40			
		2009-10		617.66			
		2010-11		303.76			
		2011-12		311.87			
		2012-13		297.12			
		2013-14		303.84			
		2014-15		306.97			
		2015-16		308.54			
		2016-17		322.16			
4	NTPC(SR) - III	2005-06		235.14	Cr.	(+) or (-) FSA (add) varies from month to month	
				Var.	109.92		
		2006-07	FC	235.14	Cr.		
		2008-09		219.00			
				Var.	109.92		
		2009-10		221.73			
		2010-11		246.54			
		2011-12		293.16			
		2012-13		321.88			
		2013-14		362.45			
		2014-15		309.03			
	(Ramagundam St.III)	2015-16	FC	86.46	314.50		
			VC	228.04			
		2016-17	FC	96.43	318.86		
			VC	222.44			
5	NTPC(SR)	1.3.84	31.10.88	43+FAC			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.
		1.11.88	31.3.91	65.03			Flat rate tariff proposed by NTPC for this period which is yet to be finalisd and referred to umpire.
		1.4.91	31.10.92	---			Tariff yet to be finalised and referred to umpire.
		1.11.92	onwards	Fixed Charges: Rs.382.32 Cr/Annum Vari.ch: 37.66 ps/unit			Two part tarff as per Govt. of India notification No.3/19 (iii)/92-US(CT), Dt.2.11.92 (Avg. rate varies from month to month)
		1.4.95		Fixed Charges: Rs.427.04 Cr/Annum 37.66 ps/unit			(As per GOI Notificationdt.15.12.95) (Avg. rate varied from month to month)
		1.11.98	30.9.99	Fixed Charges: Rs.463.40 Cr/Annum 37.66 ps/unit			(As per GOI Notificationdt.30.11.98) (Avg. rate varied from month to month)
		1.10.99	7/03	Fixed Charges: Rs.512.92 Cr/Annum Vari.ch: 37.66 ps/unit +FAC			Fixed Charges: Rs.544.290 Cr/Annum Vari.ch: 37.66 ps/unit 1.11.02 to onwards +FAC
	From	8/03		486.08 crs			
		8/03		Vari.ch:	82.62 ps.		
				Vari.ch:	81.62		From 4/04 onwards(Revised)
		9/04	12/04	465.31	Cr		
		1/05	6/05	466.55	Cr		
		7/05	12/05	451.96	Cr		
				Vari.ch:	82.14 ps	From 5/04 onwards	
				+FAC		(Avg. rate varied from month to month)	
		1/06 on wards		495.85	Cr		
				Vari.ch:	82.15	(+) or (-) FSA (add) varies from month to month	
		06 - 07'	FC	460.76	Cr		
				Vari.ch:	82.84		
		07-08'	FC	470.3	Cr		
				Vari.ch	82.84		
				FPA	23.42		
		2008-09		175.2			
		2009-10		189.73			
		2010-11		190.23			
		2011-12		209.31			
		2012-13		246.72			
		2013-14		272.06			
		2014-15		296.82			
	(Ramagundam St.I&II)	2015-16	FC	51.36	275.17		
			VC	223.81			
		2016-17	FC	77.86	300.36		
			VC	222.50			

9.8 RATES OF POWER PURCHASE

Sl.No.	Source	Period		Rate Ps/Kwh		Remarks
		From	To			
6	SIMHADRI	Average rate billed from 1.11.92 (including FAC):				(Avg. rate varied from month to month) (Avg. rate varied from month to month) (Avg. rate varied from month to month)
		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	
		10/05	12/05	452	Cr PA	
		01/06 on wards		452.36	Cr PA	
		06-07'	FC	458.10	Cr	
				Var.chr	77.12	
		2007-08	FC	458.72	Cr	
				Vari.Ch:	77.12	
				FPA	27.08	
				193.70		
				236.90		
				232.77		
				314.72		
				380.00		
				343.11		
				382.09		
				356.82		
				414.72		
				368.02		
				421.39		
				346.00		
				393.00		
				384.00		
		437.00				
7	TALCHER-II & III	8/03 to	Fixed	278.9	cr P.A	(+) or (-) FSA (add) varies
		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	
			VC	50.82		
		2007-08	FC	898.55	Cr.P.A	
			VC	58.73	Ps	
			FPA	16.75	Ps	
				154.1		
				212.77		
				238.30		
				283.98		
				240.95		
				238.75		
				232.89		
				205.00		
				256.00		
8	APGPCL	Stage-I	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	
			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	
			2014-15		358.29	
			2015-16		374.07	
			2016-17		388.00	

9.8 RATES OF POWER PURCHASE

Sl. No.	Source	Period		Rate Ps/Kwh		Remarks
		From	To			
	APGPCL	1.5.97	10/97	250.00		
	Stage-II	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		
		2015-16		320.86		
		2016-17		282.00		
		Un-utilised energy of Apgpcl (St-I)				
		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		
		Un-utilised energy of Apgpcl (St-II)				
		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	30.11.99	136.00		
		1.12.99	12/2k	214.00		
		1/01	onwards	86.00		
		4/03	6/03	59.00		
		7/03	11/03	97.00		
		12/03	1/04	112.00		
		2/04	3/04	73.00		
		4/04	10/04	97.00	Actutal share of TRANSCO	Un-utilised portion of Apgpcl
		11/04	3/05	129.00		
		4/05' to 2/06'		107.00		
		3/06'		112		
		04/06 to 03/07'		114		
		07-08'		104.3		
	APGPCL(ST-I)	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		
		40034		200.6		
	APGPCL(ST-II)	2/01	3/01	170		86
		4/01	12/01	170		86
		1/02	3/02	156		86

9.8 RATES OF POWER PURCHASE

Sl.No	Source	Period		Rate Ps/Kwh	Remarks				
		From	To						
1	2	3	4	5					
9	NTECL Valluru Thermal Power	2016-17		447.00					
10	NPC Kadankulam	2016-17		425.00					
11	NLC Tamilnadu Power Ltd Stage.1	2016-17		434.00					
12	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)				
13	MSEB	Bilateral exchange of power:							
		13.2.91	onwards	120.00					
		WESTERN REGION POWER							
		From 2/92	12/93	72.00					
		1.1.93	onwards	72.00					
		1.4.94	10.7.94	200.00					
		11.7.94	31.3.95	85.18					
		1.4.95	30.6.95	85.20					
		1.7.95	31.12.95	98.59					
		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					
14	EREB	3.12.94	onwards	154.00					
15	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	} Fix.Ch				
		KHSTPP		477.88 Crs					
		TSTPP		644.99 Crs					
		9/04	10/04						
		FSTPP		581.26 Crs	} Fix.Ch				
		KHSTPP		477.88 Crs					
		TSTPP		501.27 Crs					
		11/04	3/05	No supply					
		FSTPP		581.26 Crs	} Fix.Ch				
		KHSTPP		477.88 Crs					
		TSTPP		501.27 Crs					
	ABT	4/03	3/04	194.97					
		4/04	3/05	No supply					
16	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

9.8 RATES OF POWER PURCHASE

Sl.No	Source	Period		Rate Ps/Kwh	Remarks				
		From	To						
1	2	3	4	5					
		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
		8/98	Avg.rate billed	11.47	5/00	13.52		5/02	14.35
		9/98	Avg.rate billed	13.15	6/00	12.94		6/02	14.04
		10/98	Avg.rate billed	19.29	7/00	12.52		7/02	13.36
		11/98	Avg.rate billed	17.95	8/00	12.25		8/02	13.21
		12/98	Avg.rate billed	16.14	9/00	15.88		9/02	14.35
		1/99	Avg.rate billed	13.29	10/00	12.48		10/02	13.37
		2/99	Avg.rate billed	12.57	11/00	12.94		11/02	13.15
		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
				ABT	4/03	3/04			18.3
					4/04	4/05	As per P.Cost		10
17	GRIDCO Wh.Charges for NTPC/ER power supply								
		97-98	2001-02	17.5					
18	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					
	GEB	3/99		225					
19	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					
20	PSEB	4/00	6/00	230					
		4/01	9/01	280	(CSEB)				
21	PGCIL(SR)	4/03	3/04	44.56					
		3/04	4/05	42.00	s per p.cost Provl)				

9.8 RATES OF POWER PURCHASE

Sl.No	Source	Period		Rate Ps/Kwh		Remarks
		From	To			
1	2	3	4	5	6	
IPPs						
	1	M/s.Lanco Kondaply	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 2015-16 2016-17	(Provl) (Provl)	433.00 343.00 231.00 253.00 256.00 252.89 331.30 362.48 548.50 311.59 332.02 362.07 442.52 382.85 870.45 652.96 454.00	
	2	M/s.GVK Industries	1996-97 1997-98 1998-99 1999-2k 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 2015-16 2016-17	(Provl) (Provl)	252.00 227.00 220.00 206.60 207.60 223.00 213.00 224.00 228.00 235.24 250.69 249.72 282.20 204.81 263.42 284.33 318.33 328.61 458.45 524.18 511.00	
3		M/s.SPG Ltd	1997-98 1998-99 1999-2k 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	(Provl) (Provl)	267.90 218.00 202.30 206.60 215.00 241.00 252.00 220.00 223.91 252.30 221.25 312.40 217.21 244.32 313.37 318.59 345.77	
		Spectrum Power	2014-15 2015-16 2016-17		574.46 533.75 347.15	

9.8 RATES OF POWER PURCHASE

Sl.No	Source	Period		Rate Ps/kwh	Remarks
		From	To		
1	2	3	4	5	
4	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	
		2013-14		331.04	
		2014-15		420.62	
		2015-16		377.98	
		2016-17		330.19	
5	Thermal Powertech Corporation India	2015-16		592.00	
		2016-17		367.00	
6	Vemagiri Power	2016-17		465.00	
7	GVK Extension	2016-17		465.00	
8	GMR Rajamundry Energy	2016-17		465.00	
9	Lanco Kondapalli Phase-II	2016-17		465.00	
10	Hinduja National Power Corporation Ltd	2016-17		372.00	
11	P.T.C	2002-03		190.00	
		2003-04		206.00	
		2004-05		234.00	
		2005-06		343.33	
		2006-07		566.40	
		2007-08		533.50	
		2008-09		713.31	
		2009-10		608.31	
		2010-11		462.68	
		2011-12		352.19	
		2012-13		531.14	
		2013-14		589.54	
		2014-15		555.42	
		2015-16		479.37	
12	N.V.V.N.L.	2016-17		390.17	
		2004-05		255.00	
		2005-06		324.00	
		2006-07		399.90	
		2007-08		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	
		2015-16		466.00	
		2016-17		406.00	
13	M/s.TPTCL (TATA Power Trading)	2007-08		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	
		2016-17		545.00	
14	M/s.Adani Enterprises Ltd	2007-08		526.36	
		2008-09		792.52	
		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	
		2016-17		445.00	
15	M/s.JSW PTC ltd	2007-08		547.06	
		2008-09		776.00	
		2009-10		551.70	
		2010-11		512.75	

9.8 RATES OF POWER PURCHASE

Sl.No	Source	Period		Rate Ps/kwh	Remarks
		From	To		
1	2	3	4	5	
		2011-12		325.86	
		2012-13		552.27	
		2013-14		617.75	
		2014-15		599.01	
		2015-16		609.00	
		2016-17		607.00	
16	Sri Sarvaraya Sugars Ltd	2014-15		545.00	
		2015-16		545.00	
		2016-17		545.00	
17	Indian Energy Exchange	2014-15		608.00	
		2015-16		474.00	
		2016-17		400.00	
18	GMR Energy trading Ltd	2014-15		516.00	
		2015-16		452.00	
		2016-17		445.00	
19	Rain CII Corbon Vizag Ltd	2015-16		545.00	
		2016-17		586.00	
20	Sree Rayalaseema Hi-Strength Hyp Ltd	2015-16		545.00	
		2016-17		545.00	
21	Shri Girija Alloy & Power Ltd	2014-15		548.00	
		2015-16		543.00	
		2016-17		545.00	
22	BMM cements	2014-15		559.00	
		2015-16		545.00	
		2016-17		630.00	
23	NSL Sugars Ltd	2014-15		588.00	
		2015-16		616.00	
		2016-17		768.00	
24	Sarda Metal and Alloys Ltd	2014-15		547.00	
		2015-16		545.00	
		2016-17		520.00	
25	Anrak Aluminium Ltd	2014-15		545.00	
		2015-16		544.00	
		2016-17		545.00	
26	Mittal Processors Ltd	2014-15		565.00	
		2015-16		568.00	
		2016-17		537.00	
27	Shree cements	2014-15		367.00	
		2015-16		406.00	
		2016-17		436.00	
28	ITC Ltd	2014-15		244.00	
		2015-16		265.00	
		2016-17		246.00	
29	Steel Exchange India Ltd	2014-15		545.00	
		2015-16		545.00	
		2016-17		559.00	
30	Venkatarama Power Ltd(Trading)	2014-15		371.00	
		2015-16		545.00	
		2016-17		545.00	
31	Knowledge Infrastructure Systems Ltd	2014-15		491.00	
		2015-16		486.00	
		2016-17		531.00	
32	Non-conventional	1994-95		225.00	
		1995-96		2.36	
		1996-97		2.48	
		1997-98		2.60	
		1998-99		2.73	
		1999-2k		2.87	
		2000-01		3.01	
		2001-02		3.16	
		2002-03		3.32	
		2003-04		3.48	
		2005-06		321.00	(Provl)
		2006-07		293.00	Including 50% of Differential Tariff as per court order.
		2007-08		296.00	
		2008-09		313.00	
		2009-10		352.59	
		2010-11		344.93	
		2011 - 12		344.29	
		2012-13		762.27	

9.8 RATES OF POWER PURCHASE

Sl.No	Source	Period		Rate Ps/kwh	Remarks
		From	To		
1	2	3	4	5	
		2013-14		412.47	
		2014-15		438.73	
		2015-16		468.00	
		2016-17		473.00	
33	KSK Mahanadi Power Co Ltd	2015-16		418.00	
		2016-17		407.00	
34	Simhapuri Energy Ltd	2016-17		363.00	
35	NTPC (VVNL)	2016-17		458.00	
36	Ultratech Cement	2014-15		548.00	
		2015-16		544.00	
37	M/s.Reliance Energy	2004-05		238.00	
		2005-06		300.00	
		2006-07		283.86	
		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	
38	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	
39	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	
		2004-05		176.00	
		2005-06		176.00	
		2006-07		200.53	
40	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	
41	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	
42	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	
43	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	
		2005-06		301.56	(Provl)
		2006-07		266.00	
		2007-08		263.00	

9.8 RATES OF POWER PURCHASE

Sl.No	Source	Period		Rate Ps/kwh	Remarks
		From	To		
1	2	3	4	5	
44	M/s.RETL	2007-08		538.24	
		2008-09		454.00	
		2009-10		594.76	
		2010-11		589.27	These are all average rates
		2011-12		436.23	
		2012-13		496.51	
		2013-14		543.97	
		2014-15		551.40	
45	M/s.LEUL(NETSL)	2007-08		561.44	
		2008-09		818.02	
		2009-10		767.08	
		2010-11		504.77	
		2011-12		534.82	
		2012-13		538.18	
		2013-14		560.45	
		2014-15		535.14	
46	M/s.VISA Power ltd	2007-08		670.00	
		2008-09		0.00	
		2009-10		0.00	
47	M/s.Sitapuram Power Projects Ltd	2007-08		340.00	
		2008-09		375.00	
		2009-10		535.54	
		2010-11		425.00	
		2011-12		387.82	
		2012-13		0.00	
		2013-14		600.53	
48	M/s.Kalyani power ltd	2007-08		714.00	
		2008-09		0.00	
49	M/s.Patni Power Projects	2007-08		709.00	
50	M/s.Navabharat Ventures ltd	2007-08		325.00	
		2008-09		325.00	
		2009-10		0.00	
		2010-11		437.50	
		2011-12		452.29	
51	Vijayanagar sugars Pvt Ltd	2014-15		629.00	
		2015-16		628.00	
52	Core green Sugar & Fuels Pvt Ltd	2014-15		628.00	
53	Jaypee Balaji Cement	2014-15		545.00	
		2015-16		545.00	
54	Manikram Power Ltd	2014-15		580.00	
		2015-16		361.00	
55	RVK Energy Ltd	2014-15		552.00	
56	Madhucon Sugars	2014-15		549.00	
57	Ramco Cements Ltd	2014-15		540.00	
		2015-16		545.00	
58	Global energy Ltd (Trading)	2014-15		547.00	
59	Kusa Lava Power Ltd	2014-15		538.00	
60	NSL Krishna veni sugars	2014-15		554.00	
61	NTPC Aravali power, Delhi	2014-15		582.00	
		2015-16		569.00	
62	Laxmi Tulasi Agro Paper Pvt Ltd	2014-15		553.00	
63	Bharathi cements Ltd	2014-15		545.00	
		2015-16		545.00	
64	KCP Limited	2014-15		500.00	
		2015-16		535.00	
65	Sri Sai sindhu Industries	2014-15		554.00	
		2015-16		559.00	
66	Instinct Infra & Power Ltd	2014-15		382.00	
		2015-16		447.00	
67	My Home Industries Ltd	2014-15		563.00	
68	Jindal Power	2014-15		408.00	
69	HCL Agro Industries	2014-15		545.00	
70	Blue ocean Bio tech Ltd	2014-15		536.00	
		2015-16		534.00	
71	National Energy Trading Services Ltd	2015-16		537.00	
72	GMR Rajahmundry Eng Ltd(GREL)	2015-16		479.00	
73	Greenko Energies Pvt Ltd	2015-16		545.00	

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
2016-17	4056.00	2456.46	1512.26	16.86	50.23	490.07	106.42	4.35	8692.65	11094.21			19786.86

	9.10 SALE OF ENERGY CATEGORY-WISE (1970-71 TO 2016-17)												
Financial Year	L.T.CATEGORY									H.T.		Total HT	Grand Total
	I	II	III	IV	V	VI	VII	VIII	Total L.T.	Within State H.T.	Inter-state 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
2016-17	12206.38	2573.34	2669.51	42.00	11668.91	856.72	146.42	1.96	30165.24	17011.81		17011.81	47177.05
@ :	Negligible												
x :	Included in Agricultural												

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

Financial Year	(Provl)									MU	
	L.T.CATEGORY									Total HT	Total 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

**9.10(A) SALE OF ENERGY CATEGORY-WISE
ANNUAL GROWTH RATES(2014-15 TO 2016-17)**

Financia I	L.T.CATEGORY									(Provl) MU	
	I	II	III	IV	V	VI	VII	VIII	Total	Total HT	Total LT+ HT
*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
Anl%	7.50	6.97	17.07	9.31	13.35	11.01	8.62	31.99	10.57	7.11	9.29
2016-17	12206.38	2573.34	2669.51	42.00	11668.91	856.72	146.42	1.96	30165.24	17011.81	47177.05

9.11 PATTERN OF ELECTRICITY CONSUMPTION (%)
(1960 TO 2017)

Category	Domestic	Commercial	Agricultural (L.T+H.T)	Industry @	Railway 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
2016-17	25.87	5.45	27.45	34.70	2.75	3.78	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 As on	L.T. Con- sumers	H.T. Con- sumers	TOTAL	Decreed debts	Debts pending in Courts	Debts to be with- drawn	Amounts due from Govt. Depts	Amounts due from Local Bodies	Amounts due from Live Services	Amounts due from Disconnected Services	Others (Arrears of RESCOs,RR 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
2016-17	1927.6	2361.12	4288.72	4.27	667.84	4.16	1026.93	1516.06	552.6	349.64	167.27	4288.77

*For Residual AP

RETAIL SUPPLY TARIFF SCHEDULE FOR FY 2016-17
(RETAIL SUPPLY TARIFF RATES AND TERMS AND CONDITIONS)

Retail Supply Tariff Schedule for FY 2016-17

Consumer Category	Energy Unit	Fixed Charge (Rs/Month /Unit)	Energy Charge (Rs/ Unit)
LT-I:DOMESTIC (Telescopic)			
Category-I Domestic			
Group A:Annual Consumption <=900 Units during FY2015-16			
0-50	kWh		1.45
51-100	kWh		2.60
101-200	kWh		3.60
Above 200	kWh		6.90
Group B:Annual Consumption > 900 Units and <= 2700 units during FY2015-16			
0-50	kWh		2.60
51-100	kWh		2.60
101-200	kWh		3.60
201-300	kWh		6.90
Above 300	kWh		7.75
Group C:Annual Consumption > 2700 Units during FY2015-16			
0-50	kWh		2.60
51-100	kWh		3.25
101-200	kWh		5.26
201-300	kWh		6.90
301-400	kWh		7.75
401-500	kWh		8.27
Above 500 units	kWh		8.80
LT-II NON DOMESTIC/COMMERCIAL			
LT-II(A) :Upto 50 Units/Month	kWh/kVAh	55.12/kW	5.40
LT-II(B) :Upto 50 Units/Month			
First 50	kWh/kVAh	55.12/kW	6.63
51-100	kWh/kVAh		7.38
101-300	kWh/kVAh		8.71
301-500	kWh/kVAh		9.24
Above 500	kWh/kVAh		9.78
LT II(C):ADVERTISEMENT HOARDINGS	kWh/kVAh	55.12/kW	11.81
LT II(D) : Functional Halls/Auditoriums	kWh/kVAh	Nil	11.32
LT-III:INDUSTRY			
Industries (General)	kWh/kVAh	55.12/kW	6.51
Seasonal Industries (off season)	kWh/kVAh	55.12/kW	7.23
Aquaculture and Animal Husbandary	kWh/kVAh	21/kW	3.75
Sugarcane crushing	kWh/kVAh	21/kW	3.75
Mushroom & Rabbit Farms	kWh/kVAh	55.12/kW	5.74
Floriculture in Green House	kWh/kVAh	55.12/kW	5.74
Poultry Hatcheries & Poultry Feed mixing plants	kWh/kVAh	55.12/kW	4.75
LT-IV:COTTAGE INDUSTRIES & OTHERS			
Cottage Industries upto 10 HP	kWh	20/kW	3.75
Agro Based Activity upto 10 HP	kWh	20/kW	3.75
LT-V:AGRICULTURE			
LT-V(A):AGRICULTURE WITH DSM MEASURES			
Corporate Farmers & IT Assesses	kWh		2.50
Wet Land Farmers (Holdings >2.5 acre)	kWh	525/HP /Year*	0.50
Dry Land Farmers (Connections > 3 nos.)	kWh	525/HP /Year*	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 2016-17
(RETAIL SUPPLY TARIFF RATES AND TERMS AND CONDITIONS)
RETAIL SUPPLY TARIFF SCHEDULE FOR FY 2016-17

Consumer Category	Energy Unit	Fixed Charge (Rs/Month /Unit)	Energy Charge (Rs/ Unit)
LT-V(B):AGRICULTURE WITHOUT DSM MEASURES			
Corporate Farmers & IT Assesses	kWh		3.50
Wet Land Farmers (Holdings >2.5 acre)	kWh	1050/HP/Year *	1.00
Dry Land Farmers (Connections > 3 nos.)	kWh	1050/HP/Year *	1.00
Wet Land Farmers (Holdings <= 2.5 acre)	kWh	525/HP/Year *	0.50
Dry Land Farmers (Connections <= 3 nos.)	kWh	525/HP/Year *	0.50
LT-V(C):OTHERS			
Salt farming units upto 15HP	kWh	20/HP	3.70
Rural Horticulture Nurseries upto 15HP	kWh	20/HP	3.70
LT-VI:STREET LIGHTING AND PWS			
LT-VI(A):STREET LIGHTING			
Panchayats	kWh	33.28/kW	5.75
Municipalities	kWh	33.28/kW	6.28
Municipal Corporations	kWh	33.28/kW	6.82
LT-VI(B):PWS SCHEMES			
Panchayats	kWh/kVAh	33.28/kW	4.68
Municipalities	kWh/kVAh	33.28/kW	5.75
Municipal Corporations	kWh/kVAh	33.28/kW	6.28
LT-VI(C):NTR SUJALA Padhakam	kWh/kVAh	10/HP	4.00
LT-VII:GENERAL			
LT-VII(A):GENERAL PURPOSE	kWh/kVAh	21.84/kW	7.00
LT-VII(B):RELIGIOUS PLACES			
(i) RELIGIOUS PLACES (CL> 2 Kw)	kWh	21.84/kW	4.89
(ii) RELIGIOUS PLACES (CL<= 2 Kw)	kWh	20/kW	4.70
LT-VIII: TEMPORARY SUPPLY	kWh/kVAh	21.84/kW	10.10
HT-I:INDUSTRY			
HT-I(A): INDUSTRY GENERAL			
11 kV	kVAh	385.84/kVA	6.14
33 kV	kVAh	385.84/kVA	5.68
132 kV & Above	kVAh	385.84/kVA	5.25
INDUSTRIAL COLONIES			
11 kV	kVAh		6.08
33 kV	kVAh		6.08
132 kV & Above	kVAh		6.08
TIME OF DAY TARIFFS(6 PM to 10 PM)			
11 kV	kVAh		7.19
33 kV	kVAh		6.73
132 kV & Above	kVAh		6.30
SEASONAL INDUSTRIES (OFF SEASON Tariff)			
11 kV	kVAh	385.84/kVA	7.40
33 kV	kVAh	385.84/kVA	6.72
132 kV & Above	kVAh	385.84/kVA	6.46

RETAIL SUPPLY TARIFF SCHEDULE FOR FY 2016-17
(RETAIL SUPPLY TARIFF RATES AND TERMS AND CONDITIONS)

Retail Supply Tariff Schedule for FY 2016-17

Consumer Category	Energy Unit	Fixed Charge (Rs/Month /Unit)	Energy Charge (Rs/ Unit)
HT-I(B):ENERGY INCENTIVE INDUSTRIES			
11 kV	kVAh		5.68
33 kV	kVAh		5.23
132 kV & Above	kVAh		4.81
HT - I (C): AQUA CULTURE AND ANIMAL HUSBANDARY	kVAh	21.00/kVA	3.75
HT - I (D): POULTRY HATCHERIES AND POULTRY FEED MIXING PLANTS	kVAh	385.84/kVA	4.75
HT - II Category			
HT-II(A):OTHERS			
11 kV	kVAh	385.84/kVA	7.40
33 kV	kVAh	385.84/kVA	6.72
132 kV & Above	kVAh	385.84/kVA	6.46
TIME OF DAY TARIFFS(6 PM to 10 PM)			
11 kV	kVAh		8.45
33 kV	kVAh		7.77
132 kV & Above	kVAh		7.51
HT II (B) Religious Places	kVAh	21.84/kVA	4.89
HT II © Function Halls /Auditoriums	kVAh	Nil	11.32
HT-III:PUBLIC INFRASTRUCTURE AND TOURISM			
11 kV	kVAh	385.84/kVA	7.05
33 kV	kVAh	385.84/kVA	6.44
132 kV & Above	kVAh	385.84/kVA	6.13
TIME OF DAY TARIFFS(6 PM to 10 PM)			
11 kV	kVAh		8.1
33 kV	kVAh		7.49
132 kV & Above	kVAh		7.18
HT-IV: Govt., LIFT IRRIGATION, AGRICULTURE AND CPWS			
Govt. and Private Lift Irrigation & Agriculture	kVAh	0	5.6
Composite Water Supply Schemes (CPWS)	kVAh	0	4.7
HT-V:RAILWAY TRACTION	kVAh	0	6.68
HT-VI:TOWNSHIPS AND RESIDENTIAL COLONIES	kVAh	55.12/kVA	6.08
HT-VII:GREEN POWER	kVAh	0	11.32
HT-VIII:TEMPORARY SUPPLY		1.5 times of corresponding HT Category	
RURAL ELECTRIC CO-OPERATIVES			
Anakapally	kWh		0.93
Chipurupally	kWh		0.11
Kuppam	kWh		0.32

* Equivalent flat rate tariff per Year

** The above determined rates for LT Cat-V agriculture are contingent on payment of subsidy as agreed by the Govt., of A.P., failing which, the rates contained in the full cost recovery tariff schedule will become operative.

10. PERSONNEL

10.1 CADRE STRENGTH IN AP Power Sector

Sl.No.	Details	AP GENCO	AP TRANSCO	DISCOMs	AP GENCO	AP TRANSCO	DISCOMs	AP GENCO	AP TRANSCO	DISCOMs	AP GENCO	AP TRANSCO	DISCOMs	AP GENCO	AP TRANSCO	DISCOMs
		2011			2012			2013			2014			2015		
	OTHER THAN WORKMEN															
1.	Technical	4051	3332	6601	4053	3332	5873	4053	3362	6667	4437	3427	6374	2472	1697	3580
2.	Non-Technical	629	343	1847	627	353	1780	628	221	1885	691	233	1949	356	122	949
	WORKMEN															
1.	Technical	637	3	227	638		3	637		2	713		17	425	223	0
2.	Non-Technical	1889	1222	12926	1894	1222	14114	1900	1354	13159	1953	1354	15092	1068	769	7211
3.	O & M and Construction and others	8441	3402	35370	8396	3394	35247	8372	3394	35022	8901	3405	38379	4930	2106	19615
	TOTAL	15647	8302	56971	15608	8301	57017	15590	8331	56735	16695	8419	61811	9251	4917	31355

10.1 CADRE STRENGTH in AP Power Sector

Sl.No.	Details	AP GENCO	AP TRANSCO	DISCOMs	AP GENCO	AP TRANSCO	DISCOMs
1	2	2016			2017		
	OTHER THAN WORKMEN						
1.	Technical	2466	1691	1789	2472	1691	3601
2.	Non-Technical	355	120	953	355	120	982
	WORKMEN						
1.	Technical	369	223	1810	425	223	***
2.	Non-Technical	1126	766	7229	1070	766	2386
3.	O & M and Construction and other	4937	2106	19673	4931	2106	24592
	TOTAL	9253	4906	31454	9253	4906	31561

* 11 Posts in CTI /Hyderabad was allotted to TSTRANSCO

10.2 MAN POWER DETAILS

Sl.No.	Particulars	ANDHRA PRADESH																							
		GENCO	T & D	GENCO	T & D	GENCO	T & D	GENCO	T & D	GENCO	T & D	GENCO	T & D	GENCO	T & D	GENCO	T & D	GENCO	T & D	GENCO	T & D	GENCO	T & D	GENCO	T & D
		2005-06		2006-07		2007-08		2008-09		2009-10		2010-11		2011-12		2012-13		2013-14		2014-15		2015-16		2016-17	
A.	Total No.of Employees	13875	62645	13812	62942	14235	63752	13705	64711	15680	65027	15647	65273	15608	65318	15590	65066	16695	70230	9251	36272	9253	36360	9253	36467
B.	Number employed in construction Projects	267	---	682	---	---	---	906	---	1989	---	2029	---	548	---	627	---	1464	---	1355	---	1348	---	100	---
C.	Total employed in Generation,Transmission&Distribution(A-B)	13608	62645	13130	62942	14235	63752	12799	64711	13691	65027	13618	65273	15060	65318	14963	65066	15231	70230	7896	36272	7905	36360	9153	36467
D.	Employment break-up of 'C'																								
	1.a)Number.Actually employed in Thermal Generation	9229	---	8717	---	8674	---	8557	---	9325	---	9236	---	10774	---	10735	---	8812	---	4266	---	5276	---	6400	---
	1.b)Plus proportion of other employees (H.Q.Posts)	504	---	456	---	464	---	478	---	505	---	497	---	543	---	541	---	479	---	152	---	307	---	296	---
	1.c)Thermal Capacity in operation in MW	3234.5	---	3172.5	---	3655	---	3655	---	4155	---	4592.5	---	5092.5	---	5092.5	---	5092.5	---	2810	---	2810	---	2810	---
	1.d)Employees / MW (1a+1b)/1c	3.01	---	2.89	---	2.50	---	2.47	---	2.37	---	2.12	---	2.22	---	2.214	---	1.824	---	1.572	---	1.9868	---	2.3829	---
	2.a)No.actually employed in Hydel Generation	3593	---	3603	---	3629	---	3404	---	3370	---	3459	---	3320	---	3271	---	2053	---	1141	---	2141	---	2258	---

10.2 MAN POWER DETAILS

Particulars	Genco	T & D	Genco	T & D	Genco	T & D	Genco	T & D	Genco	T & D	Genco	T & D	Genco	T & D	Genco	T & D	Genco	T & D	Genco	T & D	Genco	T & D	Genco	T & D
	2005-06		2006-07		2007-08		2008-09		2009-10		2010-11		2011-12		2012-13		2013-14		2014-15		2015-16		2016-17	
2.b)Plus proportion of other employees(HQ)	282	---	354	---	359.5		360		376		375		421		422		405		134		181		201	
2.c)Hydel capacity in operation(MW)	3586.4	---	3586.4	---	3627.4		3627.4		3744		3790		3865		3865		3865		1749.6		1749.6		1749.6	
2.d)Employees per MW ((2a+2b)/2c)	1.08	---	1.10	---	1.1		1.0		1.0		1.0		0.97		0.96		0.635		0.729		1.32716		1.40546	
3.a)No.of posts sanctioned in Transmission&distribution	---	61283	---	61986		62860		63794		63883		64118		64617		65066		70230		36272		36360		36467
3.b)Plus proportion of other employees(HQ)(TRANSCO)	---	1062	---	956		892		917		1144		1155		1151		1158		1157		675		675		
3.c)No.of consumers in thousands	---	17235	---	18290		19383		20588		21731		22856		23981		25159		26652		15619		16300		17182
3.d)Employees(sanctioned) per 1000 consumers (3a+3b)/3c	---	3.62	---	3.44		3.29		3.14		2.94		2.86		2.74		2.63		2.68		2.37		2.27		2.12
4.a)Units sold including exports in MKWH	---	39652	---	44807		48390		53215		59118		62618		69955		67604		73126		40249		43165		48392
4.b)Total No. of employees (sanctioned)per MU sold	---	1.57	---	1.40		1.29		1.22		1.08		0.96		1.06		1.02		1.02		1.09		1.17		1.33

10.3 DETAILS OF OTHER THAN WORKMEN AS ON 31-03-2017

S.No.	Cadre	AP GENCO			AP TRANSCO*		
		Head Qrs.	Field	Total	Head Qrs.	Field	Total
1	2	3	4	5	6	7	8
A	TECHNICAL						
1	Excutive Director				1		1
2	Chief Engineer/EI including CGM Adm(GENCO)/CE(EI,telecom,civil)	7	6	13	9	3	12
3	Superintending Engineer	15	32	47	10	23	33
4	DE / EE	39	173	212	47	91	138
5	ADE / AEE	78	722	800	113	446	559
6	AE / AAE	55	1248	1303	41	591	632
7	Sub-Engineer			0			
	T O T A L	194	2181	2375	221	1154	1375
B	NON-TECHNICAL						
1	Excecutive Director/Finance/General			0	1	0	1
2	Chief Chemist	0	5	5	**	**	**
3	Senior Chemist	1	33	34	**	**	**
4	Chemist	1	56	57	**	**	**
5	FA & CCA	2	0	2	**	**	**
6	Deputy CCA	4	4	8	2	0	2
7	Senior Accounts Officer	8	6	14	9	5	14
8	Accounts Officer	15	19	34	6	16	22
9	Asst. Accounts Officer	9	27	36	8	11	19
10	Junior Accounts Officer	36	106	142	**	**	**
11	Chief Gen. Mnager (IR), (NC), (HR)	0	0	0	**	**	**
12	Joint Secretary	1	0	1	**	**	**
13	Company Secretary	1	0	1	**	**	**
14	Dy.Manager HR	0	3	3	**	**	**
15	Asst.Manager(HR)	1	6	7	**	**	**
16	General Manager (IR)	1	0	1	**	**	**
17	General Manager (HR)	0	2	2	**	**	**
18	DGM(HR)	0	4	4	**	**	**
19	Deputy Secretary	3	1	4	**	**	**
20	Assistant Secretary	7	3	10	5	1	6
21	Law Officer	1	0	1	**	**	**
22	Junior Law Officer	1	0	1	**	**	**
23	Personnel Officer	23	5	28	18	8	26
24	Public Relations Officer	0	0	0	**	**	**
25	Welfare Officer	0	5	5	**	**	**
26	Head Master	0	1	1	**	**	**
27	Chief of Security & Vigilance	1	0	1	**	**	**
28	DSP(Vigilance)	1	0	1	**	**	**
29	Security officer	0	3	3	**	**	**
30	Asst. Security Officer	1	7	8	**	**	**
31	Security Inspector	2	8	10	**	**	**
32	Deputy Civil Surgeon	0	2	2	**	**	**
33	Asst.Civil Surgeon	1	12	13	**	**	**
34	Addl.Secretary	**	**	**	1	0	1
35	Tahasildar & Dy Tahasildar	**	**	**	1	0	1
36	Divisional .Manager(Ex-Cadre)	**	**	**	1	0	1
37	Asst Divisional fire officer	0	3	3	**	**	**
38	Station fire officer	0	5	5	**	**	**
39	Senior Labour welfare officer	0	3	3	**	**	**
	TOTAL	121	329	450	52	41	93
	Grand Total	315	2510	2825	273	1195	1468

* Filled posts

10.4 DETAILS OF OTHER THAN WORKMEN(SANCTIONED) (AS ON 31-03-2017 DISCOMS)				
Sl.no	Cadre	EPDCL	SPDCL	DISCOM Total
1	2	3	4	5
A. TECHNICAL				
1	Executive Director	1	1	2
2	Chief Engineer/(CGM)	7	8	15
3	Superintending Engineer/GM	16	24	40
4	DE / EE	63	112	175
5	ADE	193	345	538
6	AE / AAE	552	1016	1568
7	General Manager /IT (Out Source)	1	**	1
8	General Manager /Energy Audit (Out Source)	1	**	1
9	General Manager/ CSC (Out Source)	1	**	1
10	DGM /IT	1	**	1
11	Manager (CSC)	7	**	7
12	Sub-Engineer	455	794	1249
	TOTAL(A)	1298	2300	3598
B. NON-TECHNICAL				
1	CGM	2	2	4
2	GM		5	5
3	GM(Revenue/Accounts/IA/Costing	4	**	4
4	GM/HRD	2	**	2
5	SAO	9	13	22
6	AO	20	22	42
7	AAO	55	110	165
8	JAO	206	430	636
9	DGM	4	**	4
10	DGM/Legal Affairs (Out Source)	1	**	1
11	DGM/CC (Out source)	1	**	1
12	JS	**	1	1
13	DS/GM	**	2	2
14	AS/DGM	**	6	6
15	Personnel Officer	19	22	41
16	Company Secretary	1	1	2
17	Public Relations Officer	**	1	1
18	Chief Vigilance Officer	1	1	2
19	Inspector of Police	5	8	13
20	Sub-Inspector of Police	11	16	27
	TOTAL (B)	341	640	981
	Grand Total	1639	2940	4579

11. ALL INDIA STATISTICS

11.1 All India Region wise Installed Capacity (MW) of Power Stations as on 31-03-2017										
Sl.No	Region	Sector	Thermal				Nuclear	Hydro	RES	Total
			Coal	Gas	Diesel	Total				
1	Northern	State	16,598.00	2,879.20	0.00	19,477.20	0.00	8,543.55	663.56	28,684.31
		Private	22,100.83	558.00	0.00	22,658.83	0.00	2,502.00	10,875.80	36,036.63
		Central	12,630.37	2,344.06	0.00	14,974.43	1,620.00	8,266.22	0.00	24,860.65
		SubTotal	51,329.20	5,781.26	0.00	57,110.46	1,620.00	19,311.77	11,539.36	89,581.59
2	Western	State	23,170.00	2,993.82	0.00	26,163.82	0.00	5,480.50	311.19	5,791.69
		Private	31,465.67	4,676.00	0.00	36,141.67	0.00	447.00	17,993.24	18,440.24
		Central	13,657.95	3,533.59	0.00	17,191.54	1,840.00	1,520.00	0.00	3,360.00
		SubTotal	68,293.62	11,203.41	0.00	79,497.03	1,840.00	7,447.50	18,304.43	107,088.96
3	Southern	State	17,832.50	791.98	287.88	18,912.36	0	11,739.03	512.55	12,251.58
		Private	12,124.50	5,322.10	473.70	17,920.30	0	0.00	25,619.52	25,619.52
		Central	13,425.02	359.58	0.00	13,784.60	3,320	0.00	0.00	3,320.00
		SubTotal	43,382.02	6,473.66	761.58	50,617.26	3,320	11,739.03	26,132	91,808.36
4	Eastern	State	7,025.00	100.00	0.00	7,125.00	0.00	3,537.92	225.11	10,888.03
		Private	7,451.38	0.00	0.00	7,451.38	0.00	195.00	765.63	8,412.01
		Central	14,101.64	0.00	0.00	14,101.64	0.00	1,005.20	0.00	15,106.84
		SubTotal	28,578.02	100.00	0.00	28,678.02	0.00	4,738.12	990.74	34,406.88
5	N.Eastern	State	60.00	492.95	36.00	588.95	0.00	382.00	259.25	1,230.20
		Private	0.00	24.50	0.00	24.50	0.00	0.00	21.88	46.38
		Central	520.02	1,253.60	0.00	1,773.62	0.00	860.00	0.00	2,633.62
		SubTotal	580.02	1,771.05	36.00	2,387.07	0.00	1,242.00	281.13	3,910.20
6	Island	State	0.00	0.00	40.05	40.05	0.00	0.00	5.25	45.30
		Private	0.00	0.00	0.00	0.00	0.00	0.00	7.27	7.27
		Central	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		SubTotal	0.00	0.00	40.05	40.05	0.00	0.00	12.52	52.57
7	All India	State	64,685.50	7,257.95	363.93	72,307.38	0.00	29,683.00	1,976.91	103,967.29
		Private	73,142.38	10,580.60	473.70	84,196.68	0.00	3,144.00	55,283.34	142,624.02
		Central	54,335.00	7,490.83	0.00	61,825.83	6,780.00	11,651.42	0.00	80,257.25
		Total	192,162.88	25,329.38	837.63	218,329.89	6,780.00	44,478.42	57,260.25	326,848.56

Source: www.cea.nic.in

11.2 All India Transformation T&D Losses in %		
Sl.No	Year	T&D losses
1	2000-01	24.5
2	2001-02	33.98
3	2002-03	32.54
4	2003-04	32.53
5	2004-05	31.25
6	2005-06	30.42
7	2006-07	28.65
8	2007-08	27.2
9	2008-09	25.04
10	2009-10	25.39
11	2010-11	23.97
12	2011-12	23.65
13	2012-13	23.04
14	2013-14	22.84
15	2014-15	22.77
16	2015-16	21.81
17	2016-17	21.42

Source:cea.nic.in

11.3 THERMAL STATIONS - PLANT LOAD FACTOR

Sl.no	Year	PLF(%)
1	2001-02	69.9
2	2002-03	72.2
3	2003-04	72.7
4	2004-05	74.8
5	2005-06	73.6
6	2006-07	76.8
7	2007-08	78.6
8	2008-09	77.19
9	2009-10	77.48
10	2010-11	75.07
11	2011-12	73.32
12		

Plan Wise Capacity Addition Targets and achievements during Various Plans			
Sl.No	Plan Period	Target	Achievement
1	I st plan (1951-56)	1300	1100
2	2nd plan(1956-61)	3500	2250
3	3rd plan (1961-66)	7040	4520
4	Annual plans(1966-69)	5430	4120
5	4th plan(1969-74)	9264	4579
6	5th plan(1974-79)	12499	10202
7	Annual plan (1979-80)	2813	1799
8	6th plan(1980-85)	19666	14266
9	7th plan(1985-90)	22245	21401
10	Annual plan (1990-91)	4212	2776
11	Annual Plan (1991-92)	3811	3027
12	8th plan (1992-97)	30538	16423
13	9th plan (1997-2002)	40245	19119
14	10th plan (2002-2007)	41110	21180
15	1st year of 11th plan (2007-08)	16335	9263
16	2nd year of 11th plan (2008-09)	7530	3454
17	3rd year of 11th plan (2009-10)	14507	9585
18	4th year of 11th plan (2010-11)	21441	12161
19	5th year of 11th plan (2011-12)	17601	20502
20	1st Year of 12th Plan (2012-13)	17956	20623
21	2nd Year of 12th Plan (2013-14)	11663	17825
22	3rd Year of 12th Plan (2014-15)	17830	22566
23	4th Year of 12th Plan (2015-16)	16894.1	23976.6
24	5th Year of 12th Plan (2016-17)	9914	14324.5

Source: www.cea.nic.in

11.4 Growth of Transmission sector (As on 31-03-2017)		
Sl.No	Transmission lines	Total CKM
1	765 kV	31,240
2	400 kV	157,787
3	220kV	163,268
4	HVDC Lines	15,556
TOTAL		367,851

Sl.No	Sub-Station (MVA)	Total MVA
1	765 kV	167,500
2	400 kV	240,807
3	220kV	312,958
4	HVDC	19,500
TOTAL		740,765

Source: www.cea.nic.in

11.5 PROGRESS IN RURAL ELECTRIFICATION - ALL INDIA

S.No.	Year ending March	Villages Electrified (No)	Percentage Electrified (%)	Pump sets Energised (No.)
1	2	3	4	5
1	2001-02	5,08,863	86.65	131,28,155
2	2002-03	492,325	83.83	13,792,427
3	2003-04	495,031	84.3	14,115,373
4	2004-05	439,800	74.10	14,445,014
5	2005-06	496,365	83.60	14,834,650
6	2006-07	482,564	81.28	15,350,297
7	2007-08	488,435	82.30	15,674,673
8	2008-09	496,365	83.60	16,207,728
9	2009-10	497,950	83.90	16,193,521
10	2010-11	537,947	90.60	17,167,631
11	2011-12	556,633	93.80	18,178,136
12	2012-13	559849	94.30	18,707,829
13	2013-14	571168	95.60	19,124,383
14	2014-15	578957	96.90	2,01,20,972
15	2015-16	586065	98.10	2,04,34,180
16	2016-17	592080	98.75	2,06,45,608

Source: www.cea.nic.in

11.6 PEAK DEMAND AND DEFICIT

Year 2016-17

State	Peak demand (MW)	Peak met (MW)	Surplus/Deficit (MW)	Surplus/Deficit (%)
Chandigarh	361	361	0	0.0
Delhi	6,342	6261	-81	-1.3
Haryana	9262	9262	0	0.0
Himachal Pradesh	1499	1499	0	0.0
Jammu & Kashmir	2675	2140	-535	-20.0
Punjab	11408	11408	0	0.0
Rajasthan	10613	10348	-265	-2.5
Uttar Pradesh	17183	16110	-1073	-6.2
Uttaranchal	2037	2037	0	0.0
Northern Region	53372	52612	-760	-1.4
Chattisgarh	3875	3851	-24	-0.6
Gujarat	14724	14719	-5	0.0
Madhya Pradesh	11512	11501	-11	-0.1
Maharashtra	22516	22207	-309	-1.4
Daman & Diu	334	334	0	0.0
Dadar Nagar Haveli	784	784	0	0.0
Goa	546	531	-15	-2.7
Western Region	48531	48313	-218	-0.4
Andhra Pradesh	7969	7965	-4	-0.1
Telangana	9187	9187	0	0.0
Karnataka	10261	10242	-19	-0.2
Kerala	4132	3996	-136	-3.3
Tamil Nadu	14823	14823	0	0.0
Pondicherry	371	368	-3	-0.8
Lakshadweep #	8	8	0	0.0
Southern Region	42232	42232	0	0.0
Bihar	3883	3759	-124	-3.2
Damodar Valley Corporation	2721	2721	0	0.0
Jharkhand	1498	1498	0	0.0
Orissa	4012	4012	0	0.0
West Bengal	7931	78869	70938	894.4
Sikkim	112	112	0	0.0
Andaman-Nicobar #	40	32	-8	-20.0
Eastern Region	18908	18788	-120	-0.6
Arunachal Pradesh	148	140	-8	-5.4
Assam	1673	1633	-40	-2.4
Manipur	163	163	0	0.0
Meghalaya	331	331	0	0.0
Mizoram	98	98	0	0.0
Nagaland	148	147	-1	-0.7
Tripura	284	284	0	0.0
North -Eastern Region	2487	2475	-12	-0.5
All India	159542	156934	-2608	-1.6

#Lakshadweep and Andaman-Nicobar Islands are stand alone systems, power supply position of these, does not form part of regional requirement and availability.

11.7 POWER SUPPLY AND SHORTAGES

Year :2016-17

State	Requirement (MU)	Availability (MU)	Surplus/Deficit (MU)	Surplus/Deficit (%)
Chandigarh	1645	1645	0	0.0
Delhi	30829	30797	-32	-0.1
Haryana	48895	48895	0	0.0
Himachal Pradesh	8831	8779	-52	-0.6
Jammu & Kashmir	17398	14194	-3204	-18.4
Punjab	53098	53098	0	0.0
Rajasthan	67838	67415	-423	-0.6
Uttar Pradesh	107569	105701	-1868	-1.7
Uttaranchal	13069	12986	-83	-0.6
Northern Region	349172	343513	-5659	-1.6
Chattisgarh	23750	23697	-53	-0.2
Gujarat	103706	103705	-1	0.0
Madhya Pradesh	65759	65758	-1	0.0
Maharashtra	139295	139228	-67	0.0
Goa	4319	4317	-2	0.0
Daman & Diu	2398	2398	0	0.0
Dadar Nagar Haveli	6021	6021	0	0.0
Western Region	345247	345127	-120	0.0
Andhra Pradesh	54300	54257	-43	-0.1
Telangana	53030	53018	-12	0.0
Karnataka	66899	66537	-362	-0.5
Kerala	24296	24261	-35	-0.1
Tamil Nadu	104511	104487	-24	0.0
Pondicherry	2548	2545	-3	-0.1
Lakshadweep #	48	48	0	0.0
Southern Region	305588	305106	-482	-0.2
Bihar	25711	25130	-581	-2.3
Damodar Valley Corporation	18929	18791	-138	-0.7
Jharkhand	7960	7906	-54	-0.7
Orissa	26758	26756	-2	0.0
West Bengal	47948	47807	-141	-0.3
Sikkim	475	475	0	0.0
Andaman-Nicobar #	240	180	-60	-25.0
Eastern Region	127783	126867	-916	-0.7
Arunachal Pradesh	729	714	-15	-2.1
Assam	9020	8694	-326	-3.6
Manipur	764	740	-24	-3.1
Meghalaya	1715	1715	0	0.0
Mizoram	514	501	-13	-2.5
Nagaland	757	745	-12	-1.6
Tripura	1644	1621	-23	-1.4
North-Eastern Region	15140	14720	-420	-2.8
All India	1142928	1135332	-7596	-0.7

#Lakshadweep and Andaman-Nicobar Islands are stand alone systems, power supply position of these, does not form part of regional requirement and availability.

Source: www.cea.nic.in

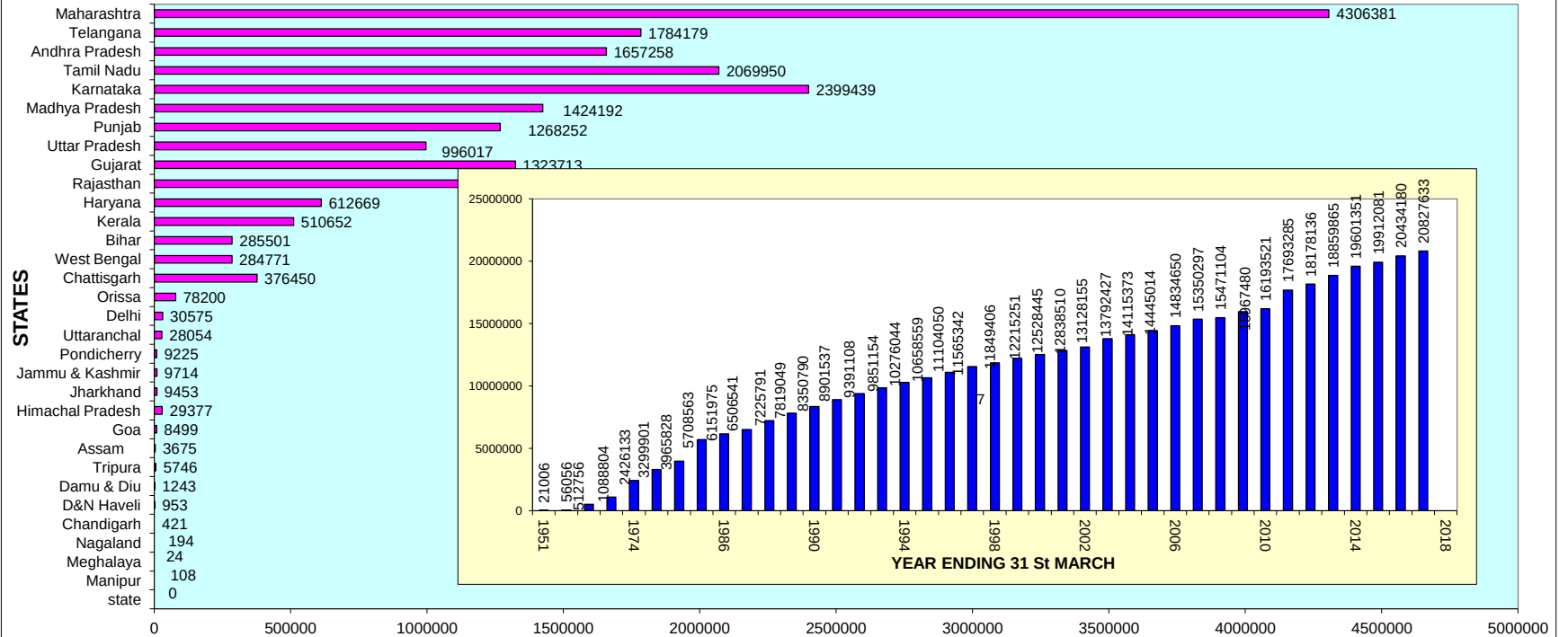
11.8 Per-Capita Consumption in kwh											
Sl.No	Country	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
1	Canada	16766	16995	17053	15467	15145	16406	15558	15520	15544	15188
2	USA	13515	13616	13647	12884	13361	13227	12947	12987	12962	12833
3	Australia	11309	11216	11174	11038	10063	10514	10218	10067	10002	9892
4	Japan	8220	8475	8072	7833	8399	7847	7753	7836	7829	7865
5	France	7585	7573	7703	7494	7756	7318	7367	7382	6955	7043
6	Germany	7175	7185	7148	6781	7217	7083	7138	7022	7035	7015
7	Korea	8063	8502	8853	8980	9851	10162	10346	10428	10564	10558
8	UK	6192	6142	6067	5693	5741	5518	5452	5409	5131	5082
9	Russia	6122	6338	6443	6133	6460	6533	6602	6562	6603	6588
10	Italy	5762	5718	5656	5271	5384	5393	5277	5124	5002	5099
11	South Africa	4810	5013	4770	4532	4803	4694	4410	4328	4240	4148
12	Brazil	6060	2154	2232	2201	2384	2441	2509	2583	2578	2516
13	China	2040	2346	2471	2648	2942	3298	3475	3766	3927	4047
14	India	717	734	779	779	884	819	884	957	1010	1075
	World	2659	2752	2782	2730	2892	2933	2972	3026	3030	3052

11.9 T&D Losses in (%)										
Sl.No	Country	2007	2008	2009	2010	2011	2012	2013	2014	2015
1	Korea	3.77	3.81	3.97	4.01	3.57	3.47	3.47	3.62	3.59
2	Japan	4.80	5.16	5.23	5.04	4.98	4.79	4.87	4.56	4.3
3	Germany	5.30	5.42	4.8	4.53	4.7	4.46	4.51	4.5	4.74
4	Italy	6.35	6.20	6.56	6.87	6.46	6.61	6.87	6.46	6.42
5	Australia	7.86	7.36	7.37	7.27	5.94	5.68	6.69	5.4	6.33
6	South Africa	9.57	10.03	11.16	11.44	9.61	10.19	9.88	9.56	9.11
7	France	6.91	7.06	7.21	7.97	6.47	7.99	7.86	7.85	7.81
8	China	6.83	6.32	5.58	6.45	6.54	6.56	6.52	6.17	5.77
9	USA	6.53	6.06	6.68	6.86	6.41	6.73	6.32	6.31	6.33
10	Canada	9.62	8.87	9.1	13.97	6.27	8.19	10.4	10.63	11.72
11	UK	7.57	7.63	7.65	8.17	8.06	8.26	7.8	8.45	8.77
12	Russia	13.56	13.09	13.47	14.44	12.59	12.59	12.57	12.62	12.79
13	Brazil	15.27	15.83	16.44	19.58	16.08	16.63	16.11	15.69	15.92
14	India	25.47	25.39	23.97	23.65	23.97	23.65	23.04	22.77	21.81
	World	9.20	8.99	9.17	9.80	8.90	8.89	8.91	9.03	8.95

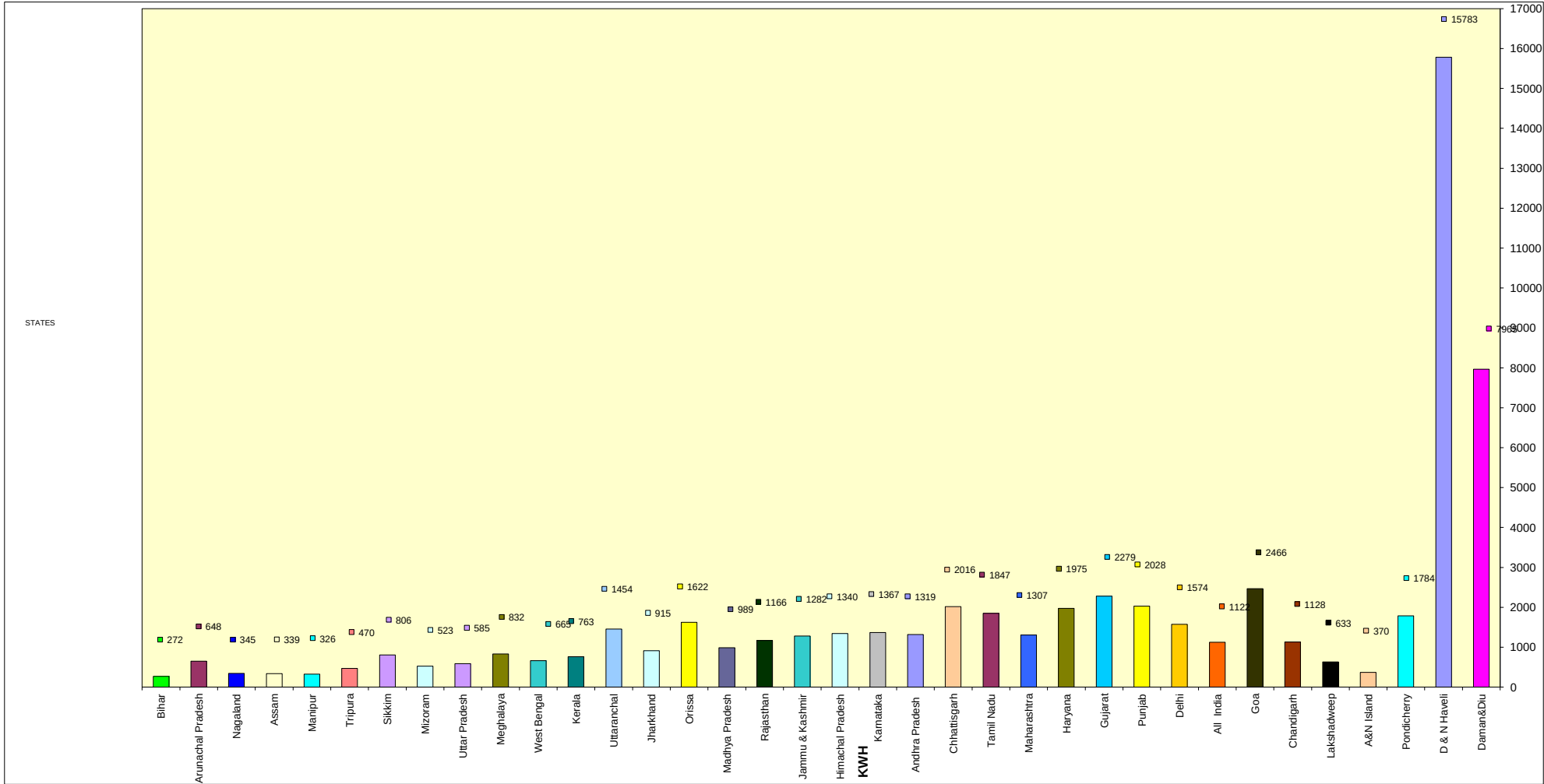
Source : CEA

India data displayed under column 2007 and 2008 correspond to the year 2008-09 and 2009-10

PUMPSETS ENERGISED ALL INDIA, STATE WISE AS ON MARCH 2017



PER CAPITA CONSUMPTION -STATE WISE 2016-17



APPENDIX

APPENDIX - I
SYSTEM DEMAND AND LOAD FACTORS OF A.P.GRID FOR THE YEAR
2016-17

Sl.No.	Month	Demand Met (MU)	Maximum Demand MW	Load Factor %
1	Apr-16	4727	7359	89.22
2	May-16	4475	7361	81.70
3	Jun-16	4008	7000	79.52
4	Jul-16	4329	7175	81.10
5	Aug-16	4970	7965	83.87
6	Sep-16	4503	7714	81.08
7	Oct-16	4916	7404	89.23
8	Nov-16	4715	7296	89.77
9	Dec-16	4343	7117	82.03
10	Jan-17	4616	7367	84.21
11	Feb-17	4506	7522	89.14
12	Mar-17	5132	7661	90.03
TOTAL / MAX		55240	7965	90.03

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
52.	2016-17	7965	7.77	47177060000	9.29

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**

Sl.No.	At the end of the Year	Length of 11kV (KM)	Length of L.T (KM)	Total Length 11kV and L.T (KM)	Sales per KM of 11kV and LT Lines (KWH/KM)
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.	31-03-2016	192081	296983	489064	88261
51.	31-03-2017	217701	320569	538270	87646

* Residual AP

APPENDIX -IV as on 31-3-2017

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
500.00	1	500							1	500
315.00	20	6300							20	6300
160.00			22	3520					22	3520
100.00	3	300	113	11300					116	11600
80.00			3	240.0	2	160			5	400
60.00			1	60.0					1	60
50.00			50	2500.0	74	3700			124	6200
31.50			46	1449.0	178	5607			224	7056
30.00					2	60			2	60
25.00			19	475.0	6	150			25	625
20.00						0			0	0
16.00			13	208.0	131	2096			144	2304
15.00				0.0	5	75.0			5	75
12.50									0	0
10.00					4	40.0	19	190	23	230
8.00							533	4264	533	4264
7.50							7	53	7	53
5.00							2673	13365	2673	13365
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
	24	7100	267	19752.0	402	11888	3680	19265	4373	58005

APPENDIX -V Voltage wise as on 31-3-2017

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
1	2	3	4	5					6	7			8	9	10	11
500.00	1	500													1	500
315.00	20	6300													20	6300
160.00			22	3520											22	3520
100.00			114	11400	2	200									116	11600
80.00									5	400					5	400
60.00							1.0	60			0	0			1	60
50.00					4	200	4	200	116	5800	0	0			124	6200
31.50					8	252	1	31.5	215	6773	0	0			224	7056
30.00									0	0	2	60			2	60
25.00					1	25	16	400	6	150	2	50			25	625
16.00									132	2112	12	192			144	2304
15.00									4	60	1	15			5	75
10.00									4	40.0	0	0	19	190	23	230
8.00													533	4264	533	4264
7.50													7	53	7	53
5.00													2673	13365	2673	13365
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
	21	6800	136	14920	15	677	22	692	482	15335	17	317	3680	19265	4373	58005

APPENDIX - VI DISTRIBUTION TRANSFORMERS AS ON 31-3-2017																														
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
		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	3	0	0	5	0	89	0	0	1769	24	2225	42	508	1673	2569	0	8907	440659	0	175	6100	12	9	6296	94465	15203	535124
2	Vizianagaram	4	2	12	0	0	15	6	224	0	0	1708	7	2032	22	591	2207	2498	0	9328	466594	0	380	4699	63	11	5153	77250	14481	543844
3	Visakhapatnam	24	3	305	0	0	110	3	1565	1	0	5500	34	3538	44	2112	3434	3225	506	20404	1395089	0	0	6082	83	1	6166	92065	26570	1487154
4	East Godavari	0	0	68	0	0	97	17	761	2	0	6295	91	4753	286	3785	8024	9435	238	33852	1627724	0	0	11174	498	44	11716	172810	45568	1800534
5	West Godavari	28	6	75	0	0	95	9	697	5	0	5847	112	6439	267	9259	18428	18680	88	60035	2321212	0	315	10702	382	70	11469	169740	71504	2490952
	EPDCL Total	56	11	463	0	0	322	35	3336	8	0	21119	268	18987	661	16255	33766	36407	832	132526	6251278	0	870	38757	1038	135	40800	606330	173326	6857608
6	Vijayawada	12	0	387	0	0	205	7	2060	0	0	9099	111	5345	286	451	15749	7295	1192	42199	2325780	0	1899	11828	248	583	14558	213199	56757	2538979
7	Guntur	12	0	199	1	0	170	16	1004	6	4	8849	136	5064	264	225	17538	7926	765	42179	2089798	0	1409	12863	140	323	14735	218504	56914	2308302
8	Ongole	17	10	75	0	0	67	13	537	2	3	6749	29	5775	32	73	26573	14320	622	54897	2090265	0	1353	10598	104	473	12528	184023	67425	2274288
9	Nellore	13	3	130	2	0	125	16	737	1	2	8266	57	6341	121	139	17629	15705	1665	50952	2160968	0	1160	11653	96	581	13490	197220	64442	2358188
10	Tirupati	7	0	215	1	0	86	8	684	0	0	5986	62	2651	47	166	51569	36696	14340	112518	3074779	0	977	14732	407	599	16715	243677	129233	3318456
11	Kadapa	14	1	40	0	0	56	5	406	3	0	4969	9	2789	45	216	45467	41418	1010	96448	2599095	0	1543	9568	2	441	11554	170433	108002	2769528
12	Anantapur	8	1	47	1	0	37	8	519	0	0	10878	136	6898	283	11	42960	7771	3	69561	2858940	1041	1187	9435	7633	1	19297	262877	88858	3121817
13	Kurnool	6	1	43	0	0	26	14	744	0	0	7356	47	5709	183	107	24156	2754	0	41146	1905471	1187	1170	9431	5763	4	17555	247510	58701	2152981
	SPDCL Total	89	16	1136	5	0	772	87	6691	12	9	62152	587	40572	1261	1388	241641	133885	19597	509900	19105096	2228	10698	90108	14393	3005	120432	1737443	630332	20842539
	Total for DISCOMs	145	27	1599	5	0	1094	122	10027	20	9	83271	855	59559	1922	17643	275407	170292	20429	642426	25356374	2228	11568	128865	15431	3140	161232	2343773	803658	27700147
1	Chipurupalli	0	0	0	0	0	0	1	17	0	0	257	0	249	4	0	0	197	0	725	47659	0	0	0	0	0	0	0	725	47659
2	Anakapalli	0	0	0	0	0	0	0	51	0	0	1835	0	181	0	70	43	0	0	2180	206938	0	0	45	0	0	45	675	2225	207613
3	Kuppam	0	0	0	0	0	9	6	24	0	0	1036	19	559	32	0	3007	1584	256	6532	253491	418	221	213	86	0	938	18041	7470	271532
	RESCO total	0	0	0	0	0	9	7	92	0	0	3128	19	989	36	70	3050	1781	256	9437	508088	418	221	258	86	0	983	18716	10420	526804
	STATE TOTAL	145	27	1599	5	0	1103	129	10119	20	9	86399	874	60548	1958	17713	278457	172073	20685	651863	25864462	2646	11789	129123	15517	3140	162215	2362489	814078	28226951

APPENDIX - VII

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

Sl.No.	As on	Distribution Transformers		LT Sales Per KVA
		Numbers	Aggregate 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
50.	31-03-2017	814078	28226951	1069

* From 2015 the data is for Residual AP

APPENDIX - VIII

SERVICES AND CONNECTED LOAD AS ON 31-03-2017

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
1	SRIKAKULAM												
a)	Services released during 2016-17	Nos.	18870	3803	68	3	615	316	126	5	23806	35	23841
b)	Services as on 31-03-17	Nos.	708459	57182	3310	312	30961	4816	5488	277	810805	313	811118
c)	Connected Load as on 31-03-17	KW	278780	74270	56590	220	68510	13110	6600	10	498090	162500	660590
2	VIZIANAGARAM												
a)	Services released during 2016-17	Nos.	10932	3405	62	0	1192	173	131	13	15908	25	15933
b)	Services as on 31-03-17	Nos.	535528	46352	2955	129	40920	3562	4051	63	633560	296	633856
c)	Connected Load as on 31-03-17	KW	287700	72190	41740	140	85180	8720	5800	40	501510	285280	786790
3	VISAKHAPATNAM												
a)	Services released during 2016-17	Nos.	63285	9037	114	15	1339	299	122	69	74280	47	74327
b)	Services as on 31-03-17	Nos.	1187293	134596	5533	381	40585	7572	6126	337	1382423	1120	1383543
c)	Connected Load as on 31-03-17	KW	1247640	298110	71020	490	91650	25450	9790	100	1744250	1060350	2804600
4	EAST GODAVARI												
a)	Services released during 2016-17	Nos.	36973	9039	846	24	903	274	788	28	48875	72	48947
b)	Services as on 31-03-17	Nos.	1352529	140811	12406	1106	49886	6019	14991	222	1577970	981	1578951
c)	Connected Load as on 31-03-17	KW	1080340	235050	223460	2560	281560	33620	16440	140	1873170	404190	2277360
5	WEST GODAVARI												
a)	Services released during 2016-17	Nos.	28297	8012	1316	10	1989	138	514	29	40305	23	40328
b)	Services as on 31-03-17	Nos.	1032066	115737	14874	349	95526	6513	12194	149	1277408	640	1278048
c)	Connected Load as on 31-03-17	KW	855540	190280	248780	390	770900	37110	12700	70	2115770	485070	2600840
TOTAL EPDCL													
a)	Services released during 2016-17	Nos.	158357	33296	2406	52	6038	1200	1681	144	203174	202	203376
b)	Services as on 31-03-17	Nos.	4815875	494678	39078	2277	257878	28482	42850	1048	5682166	3350	5685516
c)	Connected Load as on 31-03-17	KW	3750000	869900	641590	3800	1297800	118010	51330	360	6732790	2397390	9130180

APPENDIX - VIII

SERVICES AND CONNECTED LOAD AS ON 31-03-2017

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
6	KRISHNA												
a)	Services released during 2016-17	Nos.	63524	8803	1309	9	3113	282	1551	10	78601	115	78716
b)	Services as on 31-03-17	Nos.	1381005	137882	19158	1040	99830	8025	13691	26	1660657	1387	1662044
c)	Connected Load as on 31-03-17	KW	1561601	366010	297528	781	492766	35208	13864	0	2767758	437378	3205136
7	GUNTUR												
a)	Services released during 2016-17	Nos.	79966	8459	365	2	7579	675	220	8	97274	82	97356
b)	Services as on 31-03-17	Nos.	1623599	150017	15125	349	104323	6926	10529	189	1911057	1116	1912173
c)	Connected Load as on 31-03-17	KW	1290409	284894	257839	368	461465	27058	11788	52	2333873	529868	2863741
8	PRAKASAM												
a)	Services released during 2016-17	Nos.	77050	4177	361	17	12096	132	120	68	94021	49	94070
b)	Services as on 31-03-17	Nos.	1033748	75216	9879	580	161772	7144	8376	322	1297037	525	1297562
c)	Connected Load as on 31-03-17	KW	657648	138685	266297	925	637857	27655	7480	9	1736556	244538	1981094
9	NELLORE												
a)	Services released during 2016-17	Nos.	55156	4195	1009	19	5807	376	609	7	67178	42	67220
b)	Services as on 31-03-17	Nos.	968600	80821	25762	738	172123	9271	7708	94	1265117	607	1265724
c)	Connected Load as on 31-03-17	KW	711033	144577	312542	599	697516	32828	9135	3	1908233	377494	2285727
10	CHITTOOR												
a)	Services released during 2016-17	Nos.	79167	5267	355	77	4202	1599	232	9	90908	62	90970
b)	Services as on 31-03-17	Nos.	1267070	109038	12174	7107	306116	20650	10390	736	1733281	877	1734158
c)	Connected Load as on 31-03-17	KW	999847	228478	124061	20230	1399117	87576	12832	76	2872217	425795	3298012
11	CUDDAPAH												
a)	Services released during 2016-17	Nos.	38257	3434	92	4	4658	200	102	0	46747	34	46781
b)	Services as on 31-03-17	Nos.	743741	62151	5366	573	154730	5531	5004	3	977099	367	977466
c)	Connected Load as on 31-03-17	KW	560575	120525	95699	1633	839263	48613	8571	24	1674903	317860	1992763

APPENDIX - VIII

SERVICES AND CONNECTED LOAD AS ON 31-03-2017

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
12	ANANTAPUR												
a)	Services released during 2016-17	Nos.	69455	6149	126	204	18318	133	104	17	94506	9	94515
b)	Services as on 31-03-17	Nos.	1032975	73443	8808	3649	246629	7406	6813	205	1379928	394	1380322
c)	Connected Load as on 31-03-17	KW	483772	137759	146627	15688	1099495	44034	11995	17	1939387	479627	2419014
13	KURNOOL												
a)	Services released during 2016-17	Nos.	88154	7208	167	8	13592	338	194	23	109684	15	109699
b)	Services as on 31-03-17	Nos.	1019353	71277	8774	572	153857	6774	6427	146	1267180	335	1267515
c)	Connected Load as on 31-03-17	KW	431101	135332	170594	581	701795	29664	9518	149	1478734	650630	2129364
TOTAL SPDCL													
a)	Services released during 2016-17	Nos.	550729	47692	3784	340	69365	3735	3132	142	678919	408	679327
b)	Services as on 31-03-17	Nos.	9070091	759845	105046	14608	1399380	71727	68938	1721	11491356	5608	11496964
c)	Connected Load as on 31-03-17	KW	6695986	1556260	1671187	40805	6329274	332636	85183	330	16711661	3463190	20174851
TOTAL FOR A.P.STATE													
a)	Services released during 2016-17	Nos.	709086	80988	6190	392	75403	4935	4813	286	882093	610	882703
b)	Services as on 31-03-17	Nos.	13885966	1254523	144124	16885	1657258	100209	111788	2769	17173522	8958	17182480
c)	Connected Load as on 31-03-17	KW	10445986	2426160	2312777	44605	7627074	450646	136513	690	23444451	5860580	29305031

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

**APPENDIX IX- CATEGORY-WISE SERVICES AS ON 31.3.2017
(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	708459	57182	3310	312	30961	4816	5488	277	810805	313	811118
2	VIZIANAGARAM	535528	46352	2955	129	35285	3562	4051	63	627925	296	628221
3	VISAKHAPATNAM	1187293	134596	5533	381	27588	7572	6126	337	1369426	1120	1370546
4	EAST GODAVARI	1352529	140811	12406	1106	49886	6019	14991	222	1577970	981	1578951
5	WEST GODAVARI	1032066	115737	14874	349	95526	6513	12194	149	1277408	640	1278048
	TOTAL APEPDCL	4815875	494678	39078	2277	239246	28482	42850	1048	5663534	3350	5666884
6	KRISHNA	1381005	137882	19158	1040	99830	8025	13691	26	1660657	1387	1662044
7	GUNTUR	1623599	150017	15125	349	104323	6926	10529	189	1911057	1116	1912173
8	PRAKASAM	1033748	75216	9879	580	161772	7144	8376	322	1297037	525	1297562
9	NELLORE	968600	80821	25762	738	172123	9271	7708	94	1265117	607	1265724
10	CHITTOOR	1267070	109038	12174	7107	275291	20650	10390	736	1702456	877	1703333
11	KADAPA	743741	62151	5366	573	154730	5531	5004	3	977099	367	977466
12	ANANTAPUR	1032975	73443	8808	3649	246629	7406	6813	205	1379928	394	1380322
13	KURNOOL	1019353	71277	8774	572	153857	6774	6427	146	1267180	335	1267515
	TOTAL APSPDCL	9070091	759845	105046	14608	1368555	71727	68938	1721	11460531	5608	11466139
	RESCOs											
1	ANAKAPALLE	123547	6708	2689	64	12997	1095	1079	10	148189	0	148189
2	CHIPURUPALLI	47529	3234	349	102	5635	351	501	1	57702		57702
3	KUPPAM	72954	5230	440	5	30825	1633	830	12	111929		111929
	TOTAL	244030	15172	3478	171	49457	3079	2410	23	317820		317820
	TOTAL FOR A.P.	14129996	1269695	147602	17056	1657258	103288	114198	2792	17441885	8958	17450843

APPENDIX -X

DISCOM - WISE ENERGY SALES

DURING 2016-17 (MU) LT & HT

Category		Units (in MU)		Total units (in MU)
		EPDCL	SPDCL	
I	LT			
	Domestic	4607.53	7598.85	12206.38
	Non-domestic	917.58	1655.76	2573.34
	Industrial	983.29	1686.22	2669.51
	Cottage Industries	2.06	39.94	42.00
	Agriculture	2399.41	9269.50	11668.91
	Public lighting	218.15	638.57	856.72
	General Purpose	50.53	95.89	146.42
	Temporary	0.49	1.47	1.96
	Total LT (I)	9179.04	20986.20	30165.24
II	HT			
	Industrial	5387.17	6887.82	12274.99
	Industrial Non-segg.	587.05	752.04	1381.71
	Aviation	42.62		
	Agriculture	271.97	1010.80	1282.77
	Railway traction	645.76	649.67	1295.43
	RESCOs	290.29	413.14	703.43
	Colony lighting	32.99	34.76	67.75
	Temporary	5.74	0.00	5.74
	Total HT (II)	7263.59	9748.23	17011.82
	Total LT + HT (I + II)	16442.63	30734.43	47177.06

APPENDIX XI
Percapita consumption All figures in Kwh (Units)

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

Sl. No	District	2015-16				2016-17			
		Domestic	Agricultural	Industrial (Including cottage and H.T)	All Categories	Domestic	Agricultural	Industrial (Including cottage and H.T)	All Categories
1	Srikakulam	159	31	145	428	165	46	134	437
2	Vizianagaram	155	35	250	543	161	47	372	681
3	Visakhapatnam	279	22	589	1198	292	33	683	1309
4	East Godavari	266	116	191	686	277	122	192	704
5	West Godavari	277	372	333	1101	297	439	337	1195
6	Krishna	326	146	305	880	354	150	310	926
7	Guntur	269	117	434	894	302	127	384	890
8	Prakasam	205	238	319	815	211	250	311	828
9	Nellore	271	253	497	1089	294	275	522	1165
10	Chittoor	193	346	325	1012	213	447	324	1177
11	Cuddapah	196	476	272	1006	218	485	265	1042
12	Anantapur	148	510	284	999	167	553	260	1048
13	Kurnool	180	281	256	780	190	445	223	923
ANDHRA PRADESH		987(*)				1085(*)			

(*) State Per capita

APPENDIX - XII		
SCHEMEWISE CAPITAL OUTLAY - APTRANSCO FOR FY 2016-17		
Sl.No.	Particulars	Amount (Rs. In Crores)
1	Suryapet SS under system improvement	10.833
2	Erection of 400/220KV SS at Podili,Prakasam Dt	112.95
3	400kV Krishnapatnam Transmission Scheme	2.93
4	Augmentation-III	13.01
5	Hundri Neeva Sujala Sravanthi Lift Irrigation Scheme (BL & DC)	1.35
6	Gandi Kota Lift Irrigation scheme (BL & DC)	22.73
7	Short Gestation Power Transmission Scheme	1.30
8	Renovation & Modernisation	9.22
9	Schemes under Banks funding	187.12
10	Wind Power Transmission scheme	251.36
11	M/s Hinduja National Power Co poration Ltd.	138.07
12	Normal Plan	263.78
13	Other Assets	86.80
14	Schemes under PFC funding	259.54
15	Schemes under REC funding	447.52
16	DC/Bulk Load Works	133.86
17	Furniture & Fixtures	0.18
18	Office Equipment	15.41
19	Buildings	9.87
20	Plant and Machinery	80.57
21	NABARD	19.45
22	CWIP	28.6
23	Advance to Suppliers	17.77
24	Interest During Construction (IDC)	186.21
TOTAL		2300.43

Appendix - XIII
CONSOLIDATED BALANCE SHEET (T + D)

CONSOLIDATED BALANCE SHEET FOR THE YEAR 2016-17

Schedule Note	APTransco	EPDCL	SPDCL	As at 31st March 2017
NET ASSETS :				
Net Fixed Assets				
Gross Block	8827.27	5476.61	12663.09	26966.97
Less: Accumulated Depreciation	(3206.80)	(2714.90)	(6358.87)	(12280.57)
Net Fixed Assets	5620.47	2761.71	6304.22	14686.40
Capital Expenditure in progress	2563.26	418.52	2348.60	5330.38
Other Assets	119.68	136.23	302.77	558.68
Loans to Discoms	517.79	0.00	0.00	517.79
Deferred Costs / Deferred Tax Asset	0.00	0.00	0.00	0.00
Intangible Assets	0.00	0.00	0.08	0.08
Investments	67.43	165.40	286.73	519.56
Total Current Assets	629.73	5884.73	9078.07	15592.53
Less:Total Current Liabilities				
Security deposits from consumers	0.00	1318.04	2192.71	3510.75
Other current Liabilities	1654.23	3149.25	11740.88	16544.36
Total Current Liabilities	1654.23	4467.29	13933.59	20055.11
Net Current Assets	(1024.50)	1417.44	(4855.52)	(4462.58)
Subsidy Receivable from Government	0.00	0.00	0.00	0.00
Accumulated Deficit	0.00	0.00	0.00	0.00
NET ASSETS	7864.13	4899.30	4386.88	17150.31
FINANCED BY:				
Borrowings for working capital	0.00	326.56	0.00	326.56
Payments due on Capital Liabilities	0.00	0.00	0.00	0.00
Capital Liabilities				
Long term Provisions	198.72	371.56	706.25	1276.53
Other Long term Liabilities	4020.87	2741.88	9134.06	15896.81
Funds from State Government	4.24	337.46	9.48	351.18
GOAP equity	454.44	121.23	358.72	934.39
Contributions, Grants and Subsidies towards cost of Capital Assets	703.76	1214.87	7346.71	9265.34
Reserve and Reserve Funds	1231.83	3115.59	316.78	4664.20
Deferred Tax Liability	112.23	0.00	0.00	112.23
Surplus	1138.04	(3329.85)	(13485.12)	(15676.93)
TOTAL FUNDS	7864.13	4899.30	4386.88	17150.31

Consolidated Profit and Loss Account for the year 2016-17

(Rs. in Crores)

Particulars	TRANSCO	EPDCL	SPDCL	Total (D)	Total (T+D)
<u>A. Revenue</u>					
Revenue from sale of power	0.00	7639.67	12664.49	20304.16	20304.16
Transmission & SLDC Charges-Discoms	0.00	0.00	0.00	0.00	0.00
Transmission & SLDC Charges (Annual fee, Open Access)	981.96	0.00	0.00	0.00	981.96
Inter State Sale of Power / UI Charges	0.00	136.13	54.91	191.04	191.04
Capital Contributions	34.70	359.32	268.43	627.75	662.45
Less:Electricity Duty	0.00	77.88	118.50	196.38	196.38
	1016.66	8057.24	12869.33	20926.57	21943.23
Revenue Subsidies and Grants	0.00	135.94	3153.48	3289.42	3289.42
Other Income	172.59	449.24	698.23	1147.47	1320.06
Total Revenue:	1189.25	8642.42	16721.04	25363.46	26552.71
<u>B. Operating expenses:</u>					
Purchase of power	0.00	7371.19	15076.12	22447.31	22447.31
Transmission & SLDC charges	0.00	0.00	0.00	0.00	0.00
Operation & Maintenance Expenses	189.18	107.23	428.95	536.18	725.36
Employee costs	302.33	772.02	1904.06	2676.08	2978.41
Administration & General Expenses		187.86	(450.47)	(262.61)	(262.61)
Depreciation	335.95	305.78	783.76	1089.54	1425.49
Incentive to HT consumers	0.00	0.00	0.00	0.00	0.00
Interest and Finance Charges	205.51	435.39	1026.89	1462.28	1667.79
sub-total	1032.97	9179.47	18769.31	27948.78	28981.75
Less: Expenses Capitalised					
R&M, Employee costs, Adm, etc.	0.00	8.93	106.93	115.86	115.86
Interest and Finance Charges	0.00	0.00	127.10	127.10	127.10
	0.00	8.93	234.03	242.96	242.96
Other debits (Misc.write offs etc.)	0.00	0.00	0.00	0.00	0.00
Expenditure on cyclone works (Net)	0.00	0.00	0.00	0.00	0.00
sub-total	0.00	0.00	0.00	0.00	0.00
Total Expenditure	1032.97	9170.54	18535.28	27705.82	28738.79
Contingency Reserve	0.00	0.00	2.42	2.42	2.42
Net prior period Charges/(Credits)	0.00	0.00	73.44	73.44	73.44
Profit / (Loss) Before Tax	156.28	(528.12)	(1890.10)	(2418.22)	(2261.94)
Extraordinary Items		86.82	0.00	86.82	86.82
MAT Credit entitlement of earlier years	24.11	0.00	0.00	0.00	24.11
Provision for Income Tax & FBT	33.47	0.00	0.00	0.00	33.47
Provision for Deferred Tax	53.01	0.00	0.00	0.00	53.01
Profit / (Loss) After Tax	93.91	(441.30)	(1890.10)	(2331.40)	(2237.49)
Net surplus (+)/loss(-)	93.91	(441.30)	(1890.10)	(2331.40)	(2237.49)

Appendix -XV

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

(Rs. in Crores)		
Particulars	Previous Year 2015-16 T &D (EPDCL,SPDCL)	This Year 2016-17 T &D (EPDCL,SPDCL)
Balance brought forward from last year	(9979.80)	(13439.43)
Surplus/(Deficit) from Revenue Account	(3816.29)	(2237.50)
Reserves & Surplus (On Demerger)		
CREDITS :		
Transfer from General Reserve		
APPROPRIATIONS :		
Provision for Deferred Tax liability		
Contingency Reserve	(2.93)	
Adjustment against accumulated losses		
Contribution to Reserve and Reserve Funds		
Sinking Fund for Repayment of borrowings		
General Reserve		
Special safety Reserve		
Balance carried forward	(13799.02)	(15676.93)

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

Sl.No	Abbreviation	Expansion
1	APGPCCL	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