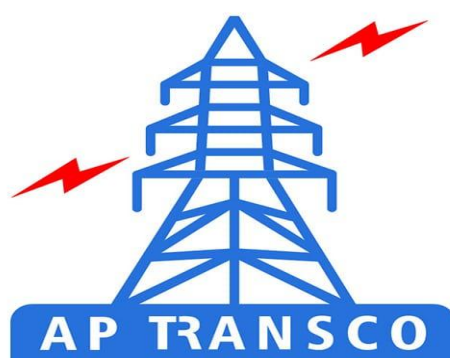


**POWER DEVELOPMENT
IN
ANDHRA PRADESH
(STATISTICS)**

2018-19



**TRANSMISSION CORPORATION OF
ANDHRA PRADESH LIMITED**



Sri Dr. SRIKANT NAGULAPALLI, IAS
CHAIRMAN & MANAGING DIRECTOR

FOREWORD

APTRANSCO is happy to bring out its statistical treatise “**Power Development in Andhra Pradesh (Statistics) 2018-19**”. It is the Nineteenth edition published post power sector reforms in Andhra Pradesh and Fifth edition published after bifurcation of Andhra Pradesh.

After state bifurcation, APTRANSCO and DISCOMs have shown significant improvement in reduction of T&D losses, Expansion of T&D network and increase in Reliability and Quality of Power supply.

This book presents the detailed Statistical account of all the facets of achievements and the changes undergone by the State Power Utilities in A.P., over the years.

This edition of “Power Development in Andhra Pradesh (Statistics) 2018-19” is prepared with the intention to be of use to the concerned people in the sector and for those interested in.

Comments / suggestions for inclusions / improvements in the publication are most welcome, to make it most useful for the interested ones.

**Dr. SRIKANT NAGULAPALLI, IAS
CMD, APTRANSCO**

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1. SALIENT FEATURES

SALIENT FEATURES OF APTRANSCO, APGENCO, and DISCOMs as on 31.03.2019					
S.No.	Item	Unit	As on 31-03-2018	Achievement in 2018-19	As on 31-03-2019
1.	INSTALLED CAPACITY (AP Share)				
a)	State Sector				
1	Thermal	MW	3410.00	0.00	3410.00
2	Hydel	MW	1797.60	0.00	1797.60
3	Solar	MW	5.426	400.00	405.426
4	AP Power Development Corp.Ltd	MW	1600	0.00	1600.00
5	GGPP	MW		216.82	216.82
	TOTAL STATE SECTOR	MW	6813.03	616.82	7429.846
	*Due to power regulation by AP to TS and TSGENCO to APDISCOMS the power is not being scheduled to APDISCOMS from TSGENCO with effect from 11/06/2017				
b)	Joint Sector				
1	Gas (A.P.G.P.C.L) Gov Share 58.8 MW *58.32%	MW	34.29	0	34.29
c)	Private Sector				
1	IPPs	MW	2105.250	-216.820	1888.422
2	Small Hydro	MW	102.598	0.00	102.598
3	Wind	MW	3994.27	83.30	4077.565
4	Co-Generation (Biomass+ Biomass Co-generation & Bagasse Co-generation)	MW	439.35	0.00	439.350
5	Mini power plants	MW	17.20	0.00	17.200
6	Others (Iso-gas Wells+Waste heat)	MW	40.16	0.00	40.160
7	Solar	MW	2182.23	442.90	2625.130
	TOTAL PRIVATE SECTOR	MW	8881.053	309.380	9190.425
d)	Share from Central Sector				
1	N.T.P.C Ramagundam -(1-6)	MW	434.74	-20.51	414.23
2	N.T.P.C Ramagundam -7	MW	108.07	-4.95	103.12
3	N.T.P.C.Talcher Stage II (Units 3,4,5&6)	MW	232.8	-7.2	225.60
4	Simhadri TPS (NTPC) -Stg 1	MW	461.1	0	461.10
5	Simhadri TPS (NTPC) -Stg 2	MW	266.9	-7.7	259.20
6	Neyveli (Tamilnadu)stage-I	MW	47.6	0.04	47.64
7	Neyveli (Tamilnadu)stage-II	MW	86.87	-0.07	86.80
8	Vallur Stage 1,2 & 3	MW	87.93	0	87.93
9	Tuticorin , Tamilnadu	MW	123.15	0.07	123.22
10	M.A.P.P (Tamilnadu)	MW	18.42	-0.02	18.40
11	Kaiga Nuclear power plant I & II	MW	56.21	0.04	56.25
12	Kaiga Nuclear power plant III & IV	MW	59.92	0.03	59.95
13	Kudankulam UnitI	MW	0	0	0
14	NTPC (Kudgi)	MW	271.84	112.88	384.72
15	Westren Region bundled Power	MW	75	0	75
	TOTAL SHARE FROM CENTRAL SECTOR	MW	2330.55	72.61	2403.16
	Grand Total (State + Private + Central)	MW	18058.919	998.810	19057.721
2.	Length of Lines				
a)	400 kV	Ckm	4561.83	748.64	5310.47
b)	220 kV	Ckm	11032.84	399.17	11432.01
c)	132 kV	Ckm	10720.23	517.46	11237.69
d)	33 kV	km	25827.26	434.74	26262.00
e)	11 kV	km	226012.73	9617.27	235630.00
f)	L.T.	km	327044.16	16633.84	343678.00
	TOTAL	Ckm	605199.05	28351.12	633550.17
3.	Sub-Stations :				
a)	400 kV	Nos.	11	4	15
b)	220 kV*	Nos.	92	6	98
c)	132 Kv	Nos.	206	6	212
d)	33 kV	Nos.	2898	51	2949
	TOTAL	Nos.	3207	67	3274
	* Reconcilled				
4.	Distribution Transformers	Nos.	875547	74252	949799

S.No.	Item	Unit	As on 31-03-2018 (Provl)	Achievement in 2018-19	As on 31-03-2019 (Provl)
5. Electrification of Towns, Villages, Hamlets, etc. (As per 2011 census)					
EXISTING					
a)	Towns	Nos.	195		195
		%	100%		100%
b)	Villages	Nos.	16158		16158
		%	100%		100%
c)	Hamlets	24001	Nos. 23475		23475
			% 97.81%		97.81%
d)	Dalitwadās	37402	Nos. 36312		36312
			% 97.09%		97.09%
e)	Weaker Section Colonies	22378	Nos. 21725		21725
			% 97.08%		97.08%
f)	Tribal Hamlets/ Habitations	6084	Nos. 5812		5812
			% 95.53%		95.53%
g)	SPV Villages	3725	Nos. 3725		3725
			% 100%		100%
6. Consumers served					
A) L.T.Category					
a)	Domestic	Nos.	14338841	460358	14799199
b)	Non-domestic	Nos.	1349834	115902	1465736
c)	Industrial	Nos.	155521	8288	163809
d)	Cottage Industries	Nos.	17812	1087	18899
e)	Agricultural (Including RESCOs)	Nos.	1720670	86430	1807100
f)	Public Lighting / Local Bodies	Nos.	104490	3405	107895
g)	General Purpose	Nos.	120989	9008	129997
h)	Temporary	Nos.	2929	169	3098
	L.T.Total (a to h)	Nos.	17811086	684647	18495733
B) H.T.Total					
	Grand Total (A+B)	Nos.	17820716	685530	18506246
7. Connected Load					
A) L.T.Category					
a)	Domestic	MW	13689	687	14376
b)	Non-domestic	MW	3014	272	3286
c)	Industrial	MW	5622	300	5922
d)	Cottage Industries	MW	109	8	117
e)	Agricultural (Including RESCOs)	MW	7753	403	8156
f)	Public Lighting / Local Bodies	MW	842	28	870
g)	General Purpose	MW	1070	81	1151
h)	Temporary	MW	159	10	169
	L.T.Total (a to h)	MW	32258	1788	34046
B) H.T.Total					
	Grand Total (A+B)	MW	40781	2629	43410
			During 2017-18		During 2018-19
8 Energy from APGENCO					
	1. Thermal	MU	20561.95		22360.83
	2. Hydel	MU	2680.87		2680.45
	TOTAL	MU	23242.82		25041.28
	Energy from others	MU	35574.73		38102.28
	Total Energy (8+9)	MU	58817.55		63143.56

(Contd.)

9	Energy Sales category-wise:		During 2017-18	% growth	During 2018-19
A)	L.T.Category				
a)	Domestic - I	MU	13173.55	6.38	14014.21
b)	Non-domestic - II	MU	2743.22	8.18	2967.53
c)	Industrial - III	MU	3412.57	17.50	4009.63
d)	Cottage - IV	MU	42.63	10.16	46.96
e)	Agricultural - V	MU	10946.88	9.73	12012.26
f)	Public Lighting - VI	MU	929.1	5.91	984.03
g)	General Purpose-VII	MU	156.2	7.53	167.96
h)	Temporary	MU	1.95	1.54	1.98
	L.T.Total	MU	31406.1	8.91	34204.56
B)	H.T.Recorded sales	MU	18538.691	11.91	20745.78
C)	Total (L.T + H.T)	MU	49944.791	10.02	54950.34
10	Total Sales by Discoms including wheeling	MU	51313.77		55327.95
11	Transmission losses	%	3.93		3.10
12	Distribution losses	%	9.58		10.45
13	T & D Losses	%	12.93		13.04
14	Maximum demand during the year	MW	8983 (16/03/2018)		9453 (14/10/2018)
15	Per capita consumption	Kwh	1147		1234
16	Revenue				
a)	By sale of Power	Rs. Crores	23949.72		26596.22
b)	By sale of Power-inter state	Rs. Crores	570.46		774.07
c)	Transmission,SLDC,/Miscellaneous/Others	Rs. Crores	3598.83		4241.54
d)	Subsidy/Grants	Rs. Crores	4679.08		6193.74
	Total (a+b+c+d)	Rs. Crores	32798.09		37805.57
17	Capital Expenditure (TRANSCO)	Rs. Crores	1412.15		1966.89

\$ Reconcilled values

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	As on 31.03.2011	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
31	As on 31.03.2018	6847.32**	2330.55	8867.43	18045.30	8983	178.21
32	As on 31.03.2019	7464.14	2403.16	9279.55	19146.85	9453	185.06

- 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 ** share to TS utilities was withdrawn from 11.06.2017

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	Dalitwadadas electrified	Agricultural (pump sets energised)
1	Pre-Plan	31.3.1951	--	197	66	--	620
2	1st Plan	31.3.1956	--	630	133	--	4300
3	2nd Plan	31.3.1961	4667	2680	685	--	17968
4	3rd Plan	31.3.1966	8741	4353	1314	--	57225
5	3 Annual Plans	31.3.1969	12363	5788	1783	--	122321
6	4th Plan	31.3.1974	22549	10485	4890	8146	261989
7	5th Plan	31.3.1978	29033	14851	6000	10318	318357
8	2 Annual Plans	31.3.1980	34701	16659	6815	13960	388292
9	6th Plan	31.3.1985	48724	23078	9956	22477	636003
10	7th Plan	31.3.1990	80419	27610	15904	29899	1111569
12	2 Annual plans	31.3.1992	101376	27610	18035	33505	1273973
13	8th Plan	31.3.1997	148024	26829	21036	39074	1821239
14	9th Plan *	31.3.2002	213803	26829	27849	41466	2088759
15	10th Plan (2002-03)	31.3.2003	242668	26829	30302	42739	2257969
16	10th Plan (2003-04)	31.3.2004	323033	26829	30557	46315	2309605
17	10th Plan (2004-05)	31.3.2005	405937	26829	31253	49298	2374365
18	10th Plan (2005-06)	31.3.2006	474959	26877	31593	51440	2440823
19	10th Plan (2006-07)	31.3.2007	519365	26877	31617	54042	2527800
20	11th plan (2007-08)	31.3.2008	580721	26823	31741	55572	2599635
21	11th plan (2008-09)	31.3.2009	672426	26823	31799	56156	2680671
22	11th plan (2009-10)	31.3.2010	737544	26823	31838	56239	2769275
23	11th plan (2010-11)	31.3.2011	811108	26823	31940	56340	2909006
24	11th plan (2011-12)	31.3.2012	894581	26823	32271	56408	3061914
25	12th plan (2012-13)	31.3.2013	971727	26823	32271	56408	3203871
26	12th plan (2013-14)	31.3.2014	1032863	26823	32271	56415	3344637
27	12 th plan (2014-15)	# 31.03.2015	621171	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
30	2017-18	31.03.2018	875547	16353	29287	36312	1720670
31	2018-19	31.03.2019	913158	16353	29287	36312	1807100

* 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
26	2017-18	31.03.2018	28600.38	11480.38	32798.09
27	2018-19	31.03.2019	33792.97	13301.12	37566.15
* From 1999-2000 ,A.P.TRANSOCO + DISCOMS					

2.5 OUTLAY ON POWER DEVELOPMENT IN A.P

(Rs. Crores)

S.No.	Plan	Period	Transmission	Distribution	Rural Electrification	Others @	Board's Plan Expr.	Additionality	Outside Plan	Total Board Expr.	State Plan Expenditure	% of Board's Plan Expr. To State Expr.
1	1st Plan	1951-56	----- NOT AVAILABLE -----				37.84	-	-	37.84	96.78	39.10
2	2nd Plan	1956-61	-	17.78	-	0.21	17.99	-	-	17.99	188.60	9.54
3	3rd Plan	1961-66	8.52	21.81	-	0.40	30.73	-	-	30.73	352.42	8.72
4	Three Annual Plans	1966-69	22.14	19.21	-	0.91	42.26	-	-	42.26	234.06	18.06
5	4th Plan	1969-74	13.44	54.31	-	0.62	68.37	-	-	68.37	448.87	15.23
6	5th Plan	1974-78	35.05	51.92	-	0.47	87.44	-	-	87.44	1004.28	8.71
7	Two Annual Plans	1978-80	40.02	51.48	-	0.22	91.72	-	-	91.72	899.60	10.20
8	6th Plan	1980-85	159.33	82.40	104.62	0.91	347.26	-	96.68	443.94	3237.07	10.73
9	7th Plan	1985-90	149.68	220.44	71.95	31.35	473.42	119.31	385	977.73	5976.60	7.92
10	2 Annual Plans	1990-92	112.73	124.78	41.59	48.97	328.07	242.45	217.18	787.70	3027.38	21.54
11	8th Plan	1992-97	278.17	476.94	123.43	126.51	1005.05	1749.25	525.29	3279.59	13606.58	7.39
12	9th Plan	1997-02	1210.55	958.57	108.57	313.06	2590.75	2215.01	257.21	5062.97	27790.75	10.22
13	10th Plan	2002-03	362.62	983.54						1346.16	--	--
14	10th Plan	2003-04	248.01	1247.62						1495.63	--	--
15	10th Plan	2004-05	415.38	1301.79						1717.17	--	--
16	10th Plan	2005-06	358.18	1263.50						1621.68	--	--
17	10th Plan	2006-07	499.46	1515.18						2014.64		
18	10th Plan Total	2002-07	1883.65	6311.63						8195.28		
19	11th Plan	2007-08	482.06	1754.42						2236.48		
20	11th Plan	2008-09	555.91	1872.75						2428.66		
21	11th Plan	2009-10	906.91	1942.43						2849.34		
22	11th Plan	2010-11	1092.35	1577.26						2669.61		
23	11th Plan	2011-12	1221.00	2019.16						3240.16		
24	11th Plan Total	2007-2012	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									
30	2017-18	2017-18	1412.15									
31	2018-19	2018-19	1966.89									

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

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

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

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

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

3. SIXTH AND SEVENTH FIVE YEAR PLANS

3.1 ACHIEVEMENTS IN SIXTH FIVE YEAR PLAN - FINANCIAL

(Rs.in Crores)

S.No.	Category	VI Plan 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						
Srisaïlam 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
	Srisaïlam Unit - I & II	MW	--	--	220	--	--	220
	Srisaïlam Unit - III	MW	--	--	--	110	--	110
	Srisaïlam 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)	Dalitwadas 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 Expenditure	1986-87 Expenditure	1987-88 Expenditure	1988-89 Expenditure	1989-90 Expenditure	Total Expenditure 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.	Item	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	Srisailem HES Stage-II (3 x 110 MW)	MW	330.00	110.00	220.00	--	--	--	330.00
3	Pochampad HES (3 x 9 MW)	MW	27.00	--	9.00	18.00	--	--	27.00
4	A.P.Power House at Balimela (2 x 30 MW)	MW	60.00	--	--	--	--	--	--
5	Penna Ahobilam HES (2 x 10 MW)	MW	20.00	--	--	--	--	--	--
6	Nagarjunasagar Right Canal HES - 3rd unit (30 MW)	MW	30.00	--	--	--	--	--	--
7	Nagarjunasagar Left Canal HES (2 x 30 MW)	MW	60.00	--	--	--	--	--	--
8	Mini/Small Hydel Schemes (1.5 MW)	MW	1.50	0.22	--	1.79	--	--	2.01
9	Vijayawada TPS - Stage-II (1st unit 210 MW)	MW	210.00	--	--	--	--	210.00	210.00
	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)	Dalitwadads 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	Srisaïlam 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	Srisaïlam 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 Vijeswaram (3 x 33.6MW)	1	100.00
15	Vijayawada T.P.S. Stage-I(2x210 MW)	--	-107.67
16	Srisaïlam 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 Ss 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 (P F C)	2x210	8000	8000	8016 5115
13	Vijayawada TPS - Stage III (P F C)	2x210	2000	2000	5021 6000
14	Vijayawada TPS Stage - I		--	--	-2
15	Donkarai Power House		--	--	-10
	Sub - Total (a) (P F C)		17323	18420	21367 11115
b)	New Schemes				
1	Singur HES	2x7.5	100	12	5
	Sub - Total (b)				5
c)	Renovation Schemes				
1	Kothagudem TPS - 1st Phase (P F C)		180		-- 284.00
2	Kothagudem TPS - 2nd Phase		604	125	--
3	Ramagundam TPS - 'B' Station		---		21
4	Nellore TPS (P F C)		200		68 4
	Sub - Total (c) (P F C)		984	125	89 288
I.	Total Generation (a+b+c) (P F C)		18407	18557	21461 11403
II.	Transmission (P F C)		7000	7500	7322 3468
III.	Distribution & System Improvements (P F C)		9000	8000	6060 1000
IV.	Rural Electrification		2450	3129	2529
V.	Survey and Investigation		81	53	62
A.	Total Plan (I to V) (P F C)		36938	37239	37434 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.	Srisaïlam 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.	Srisaïlam 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	Srisailam.		--	0.00	103.00	0.00	103.00	
				+77.00		+48.00	--	+125.00
4	Lower Sileru.		--	--	40.00	16.00	--	56.00
SUB-TOTAL - II (R & M)		3867.00	374.00	100.00	158.00	47.00	5.00	684.00
		9023.00	+531.00	+215.00	+39.00	+48.00	+1901.00	+2734.00

(Contd.,)

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

Rupees in lakhs.


Sl.No.	Scheme	Eighth Plan 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>	<i>MW</i>		<i>107.00</i>	<i>546.00</i>	<i>484.925</i>	<i>43.675</i>	<i>605.59</i>	<i>1787.19</i>
	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)	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),
TWELFTH PLAN (2012-17)
AND
ACHEIVEMENTS IN 2017-18 and 2018-19**

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
	A.P.GENCO PLAN							
	Srisaillam Left Bank H.E.S	1102.12	424.49	429.07	271.26	251.33	126.48	1502.63
	Rayalaseema TPS Stage-I	20.00	8.87	12.25	1.57	1.11	3.34	27.14
	Direct payments by ADB		33.06					33.06
	Vijayawada TPS Stage-III	53.22	6.71	4.49	2.26	2.93	5.90	22.29
	KTPS Stage-V	130.00	20.00	50.19	6.04	6.98	7.16	90.37
	Vijayawada TPS Stage-II	2.00	0.16	0.00	0.03			0.19
	N.S.Pumped Storage scheme stage-II			0.08	0.16	0.42	0.10	0.76
	N.S.Right Canal H.E.S. IIIrd Unit			0.03	0.02			0.05
	N.S.Left Canal HES Scheme			0.06	0.02			0.08
	Penna Ahobilam H.E.Scheme	0.50	0.30	0.34	0.05			0.69
	Upper Sileru H.E.S. Scheme-II	1.00	0.84	0.54	0.01			1.39
	Mini Hydel Schemes	16.50	0.46	0.31		0.08	5.13	5.98
	R&M Works of KTPS	22.71	92.59	10.33	8.37			111.29
	Singur H.E.S	16.00	0.48	5.36	1.14	2.21	0.96	10.15
	Rayalaseema TPS Stage-II(2x210 MW)	244.64					5.76	5.76
	HPCL-APSEB(500 MW) Joint Venture					0.70	5.00	5.70
	Jurala HES						1.00	1.00
	SURVEY & INVESTIGATION	7.50	0.60	0.68	0.18	4.87	9.11	15.44
	Plan Total	1616.19	588.56	513.73	291.11	270.63	169.94	1833.97
	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
	Srisaillam HEScheme Stage-II(3X110 MW)			1.60		1.69	0.29	3.58
	R&M Works of KTPS					185.57	140.49	326.06
	R&M Works of NTS 30 MW Station	2.23		1.25			4.30	5.55
	R&M Works of RTS	0.63	0.02		0.01			0.03
	R&M Srisaillam	2.47	0.91	14.14				15.05
	R&M Works of Lower Sileru	1.83		10.13		1.48	2.17	13.78
	VTPS R&M works	87.54	3.54	0.69	50.45	17.75	39.77	112.20
	Additionality for RTPP					0.64		0.64
	Singur HES			0.69	1.71	0.38	0.68	3.46
	Y2K (All Stations)					0.37	1.30	1.67
	NSHES flood protection wall					0.32	0.98	1.30
	Vizag TPS-Stage-I (2x500 MW)		0.32	0.21				0.53
	Krishnapatnam TPS Stage-I		0.62	0.03				0.65
	Simhadri TPS (2x500 MW)			0.82				0.82
	Jegurupadu Gas Based Stage-II (200 MW)	1.60	0.31	0.69				1.00
	Initial enabling works for other IPPS	100.00		0.82				0.82
	VTPS Stage IV						1.15	1.15
	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

5.1 ACHIEVEMENTS IN NINTH FIVE YEAR PLAN -FINANCIAL(1997-98 TO 2001-02)								
Sl.No	Name of the Scheme	Ninth Plan Provision	Actuals					Rs. In.Crs
			Actuals 1997-98	Actuals 1998-99	Actuals 1999-2000	Actuals 2000-01	Actuals 2001-02	Total
								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 (Plan+Additionality +Out-Side Plan + Non Plan)	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)	Dalitwadas electrified	Nos.	5000	263	537	516	260	669	2245	
d)	Weaker Section Colonies Electrified	Nos.	5000	276	512	933	127	816	2664	
e)	Pumpsets energised (Including RESCOs)	Nos.	250000	33486	59997	48227	6660	267479	**	415849

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

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

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

5.3 ACHIEVEMENTS IN TENTH FIVE YEAR PLAN -FINANCIAL (2002-03 TO 2006-07) - APTRANSCO

							(Rs in Crs)	
S No	Details	Tenth Plan Provision	2002-03	2003-04	2004-05	2005-06	2006-07	
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	Srisailam 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						
(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)		983.54	1247.62	1301.79	1263.50	1515.18	
(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 Dalitwadas	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	Srisailam Left Bank	450.00	150.00				600.00
3	KTPS	10.00	10.00	20.00			40.00
4	Jurala						0.00
5	NTS				-30.00		-30.00
6	Mini Hydel(Kakatiya Canal)		4.15				4.15
	Sub-Total State Sector	460.00	164.15	20.00	-30.00	210.00	824.15
II.	Central Sector						
1	NTPC Simhadri	500.00					500.00
2	Kaiga				-115.00	139.70	24.70
3	%of Central Share increased				160.94	98.05	258.99
4	Share from Ramagundam Extn.			146.00			146.00
5	Share from Talcher TPS	106.25	106.25	212.50			425.00
	Sub-Total central Sector	606.25	106.25	358.50	45.94	237.75	1354.69
III.	Private Sector						
1	GVK Extn.-I						0.00
2	Vemagiri					370.00	370.00
3	Gautami Stage-I						0.00
4	BSES, Andhra	80.00					80.00
5	Konaseema						0.00
6	OTHERS (Lanco Kondapally)				-2.26		-2.26
7	Nagarjuna Electric Generating Co.				-20.00		-20.00
8	MPPs Reconciled				0.80		0.80
	Sub-total Private sector	80.00	0.00	0.00	-21.46	370.00	428.54
IV.	Other Projects						
1	Mini Power Plants	15.40					15.40
2	Non conventional (NEDCAP)	111.30	96.33	31.65	51.00	27.37	317.65
	Sub-total Other projects	126.70	96.33	31.65	51.00	27.37	333.05
	Total	1272.95	366.73	410.15	45.48	845.12	2940.43
	Grand Total	2940.43					

Note:Srisailam 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) (Capacity in MW)								
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 JLNNSM (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 tranmission 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	Rennovation & 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				0.93		1.81
	Sub-Total-(III)	5.71	3.24	5.98	7.47	9.42	31.82
IV) Interest During Construction (IDC) Capitalised							
	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 - Physical
(2012-13 to 2016-17)**

(MW)

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 Waste	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 Ltd)	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	2013-14	2014-15	2015-16	2016-17	Total
			Achievement	Achievement	Achievement	Achievement	Achievement	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 Dalitwadas	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 Transmission scheme	40.38	7.61		2.61		50.60
8	400 kV Kothagudem Power Transmission Scheme	0.17					0.17
9	400 kV Augmentation scheme III		14.27	4.23		13.01	31.51
10	400 kV Krishnapatnam Transmission scheme	206.99	223.76	41.68	30.32	2.93	505.68
11	Renovation & 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

5.12 ACHIEVEMENTS IN FY 2017-18 & 2018-19- PHYSICAL

S No	ITEM	Unit	2017-18	2018-19
			Achievement	Achievement
1	Electricity Sales	MU	49945	54950
2(I)	Transmission Lines			
a)	400 kV	CKM	955.04	748.64
b)	220 kV	CKM	484.15	399.17
c)	132 kV	CKM	628.80	517.46
2(II)	Sub-Stations			
a)	400 kV	Nos	1	4
b)	220 kV	Nos	3	6
c)	132 kV	Nos	14	6
d)	33 kV shunt capacitor banks	MVAR	64.8	122.4
e)	132 kV shunt capacitor banks	MVAR	0	0
3	Distribution & SI			
a)	33 KV Sub-stations	Nos	132	51
b)	Release of LT services other than agriculture	Nos	574152	598217
c)	Release of HT Services	Nos	672	883
4	Rural Electrification			
a)	Laying of conventional lines in villages already electrified with SPV Panels	Nos	0	0
b)	General Hamlets	Nos	0	0
c)	Electrification of Dalitwadas	Nos	0	0
d)	Electrification of Weaker section colonies	Nos	0	0
e)	Tribal Hamlets	Nos	0	0
f)	Energisation of Agricultural pumpsets	Nos	63412	86430

5.13 ACHIEVEMENTS IN 2017-18 - FINANCIAL APTRANSCO

Sl.No.	Particulars	Amount (Rs. In Crores)
1	Erection of 400/220KV SS at Podili,Prakasam Dt	0.83
2	Vijayawada Power Transmission Scheme	2.42
3	Erection of 400/220KV SS at Kalikiri,Chittoor Dt	62.82
4	Rayalaseema Power Transmission Scheme	355.10
5	Short Gestation Power Transmission Scheme	0.65
6	Wind Power	158.25
7	M/s Hinduja National Power Co poration Ltd.	382.54
8	Renovation & Modernisation Scheme	22.18
9	Schemes under Banks funding	65.09
10	Normal Plan	14.90
11	Schemes under PFC funding	84.47
12	Schemes under REC funding	41.74
13	Furniture & Fixtures	0.95
14	Office Equipment	4.05
15	Buildings	14.47
16	Plant and Machinery	201.69
TOTAL		1412.15

5.14 ACHIEVEMENTS IN 2018-19 -FINANCIAL APTRANSCO

Sl.No.	Particulars	Amount (Rs. In Crores)
1	Re-alignment of existing 400 KV TMDC Line from Srisailam to 400 KV Nunoor SS for providing required clearance for proposed new airport at Orvakal in KNL Dist.	1.33
2	Evacuation of wind power in Kadapa, Anantapur & Kurnool	115.54
3	Evacuation of wind power in Kadapa, Anantapur & Kurnool (Phase - II)	87.60
4	Evacuation of 1000 MW Power from Solar Park at Gani / Panyam in KNL Dist.	22.41
5	Evacuation of Power from 500 MW Solar Power Project by APGENCO at Talaricheruvu (V), Tadipatri (M), ATP Dist.	79.53
6	Reactors Scheme - III	6.46
7	System improvement scheme for erection of 400 KV SS at Rachagunneri, Chittoor Dist. With one 220 KV SS chervi, Chittoor and one 132 KV SS at Yerpedu	61.76
8	Erection of 400 KV SS at Kalkiri, in Chittoor Dist and connected network, under system strengthening works	66.52
9	Realignment of existing 400 KV DC line from SSLM to Sattenapalli for enabling crossing of proposed new Board guage railway line Nadikudi to Sri Kalahasthi	5.68
10	Re-routing of 400 KV DC line (from VPTS to Sattenapalli 400/220 KV SS) passing through VIT - AP - University, Amaravati Campus	1.29
11	400 KV vijayawada Power Transmission Scheme	0.16
12	Krishnapatnam Power Transmission	0.06
13	Evacuation of power from M/s Hinduja National Power Corporation Limited	7.88
14	Dr.NTTPS vijayawada (Stage V, 800 MW) Power Corporation Limited	0.02
15	Erection of Garividi 400/220 KV SS in Vizianagaram Dist and Pydibhimavaram 220/132 KV SS in Srikakulam Dist Connected Network under Transmission System Improvement	522.88
16	Erection of 400/220 KV SS at Podili, Prakasam Dist and connected network, on stand alone basis under system strengthening works	335.18
17	Erection of 400/220/132 KV Suryapet Substaion, in Nalgonda District and connected network under transmission system improvement, on stand alone basis (AP Portion)	1.32
18	Renovation & Modernisation Scheme	90.00
19	Schemes under Normal Plan	82.14
20	Schemes under Bank funding	55.13
21	Schemes under REC funding	192.98
22	Schemes under DC/Bulk Loads Works (Lift Irrigation)	14.76
23	Schemes under DC/Bulk Loads Works (Constrction)	79.79
24	Schemes under PFC funding	37.40
25	Schemes under Govt. funding	99.06
TOTAL		1966.88

6. A.P.GENCO GENERATION

6.1 PATTERN OF INSTALLED CAPACITY IN ANDHRA PRADESH (1914-15 TO 2018-19)

Year	Unit	Installed Capacity : APGENCO			APGPCL	Installed Capacity : Private			CGS	Total
		Hydel	Thermal	Wind & Solar	Gas	Mini Hydel	IPPs & Others	Non-conventional		
2014-15	MW	1671.29	3148.15	2.00	34.29	89.10	1256.14	1615.30	1712.73	9529.00
	%	17.54	33.04	0.02	0.36	0.94	13.18	16.95	17.97	100.00
2015-16	MW	1671.29	3948.15	2.00	34.29	89.10	2438.53	2464.24	1795.95	12443.55
	%	13.43	31.73	0.02	0.28	0.72	19.60	19.80	14.43	100.00
2016-17	MW	1721.29	3948.15	5.43	34.29	87.44	2958.53	6146.54	1750.85	16652.52
	%	10.34	23.71	0.03	0.21	0.53	17.77	36.91	10.51	100.00
2017-18	MW	1797.60	5010.00	5.43	34.29	104.44	2122.45	6640.54	2330.55	18045.30
	%	9.96	27.76	0.03	0.19	0.58	11.76	36.80	12.91	100.00
2018-19	MW	1797.60	5010.00	405.426	34.29	102.598	2122.442	7182.205	2403.16	19057.721
	%	9.43	26.29	2.13	0.18	0.54	11.14	37.69	12.61	100.00

6.1 PATTERN OF POWER GENERATION IN ANDHRA PRADESH (2014-15 TO 2018-19) STATE, PRIVATE AND CENTRAL SECTORS										
YEAR	UNIT	Energy State Sector		Gas (VGTS)	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
2017-18	MU	2680.87	20561.95	1165.04	6370.35	3699.25	5516.65	10535.83	8287.61	58817.55
	%	4.56	34.96	1.98	10.83	6.29	9.38	17.91	14.09	100.00
2018-19	MU	2680.45	22360.83	1091.40	8900.29	4460.49	4433.95	8018.12	11198.03	63143.56
	%	4.25	35.41	1.73	14.10	7.06	7.02	12.70	17.73	100.00

*ex-bus figures from sldc

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

(Contd.,)

6.2 A.P - PROGRESS IN INSTALLED CAPACITY

(MW)

Year	State Sector			Joint Sector Gas	Share from Central Sector	Private Sector								Total	
	Hydel	Thermal	Wind & Solar			Gas	Mini Hydel	Wind	Co-Generation		Bio-Mass Projects	Mini power plants	Solar		others
									Bagasse	Bio-Mass					
1990-91	2461.21	1612.50	-	66.00	762.00	-	-	-	-	-	-	-	-	-	4901.71
1991-92	2462.21	1612.50	-	100.00	807.00	-	-	-	-	-	-	-	-	-	4981.71
1992-93	2524.21	1612.50	-	100.00	852.00	-	-	-	-	-	-	-	-	-	5088.71
1993-94	2605.21	2032.50	-	100.00	897.00	-	-	-	-	-	-	-	-	-	5634.71
1994-95	2665.21	2452.50	2.00	100.00	897.00	-	-	2.93	-	-	-	-	-	-	6119.64
1995-96	2666.21	2452.50	2.00	100.00	897.00	-	3.75	41.85	-	-	-	-	-	-	6163.31
1996-97	2666.21	2702.50	2.00	212.00	897.00	232.70	3.75	51.24	-	1.50	-	-	-	-	6768.90
1997-98	2666.21	2952.50	2.00	272.00	885.00	423.90	15.75	52.74	-	1.50	-	-	-	-	7271.60
1998-99	2666.21	2952.50	2.00	272.00	885.00	423.90	27.25	58.74	9.00	1.50	1.00	-	-	41.00	7340.10
1999-2K	2681.21	2952.50	2.00	272.00	942.50	423.90	43.45	84.99	14.00	1.50	1.00	40.31	-	43.70	7503.06
2000-01	2682.21	2952.50	2.00	272.00	1000.00	778.90	62.35	88.74	15.50	6.70	29.00	40.31	-	43.70	7973.91
2001-02	2982.21	2952.50	2.00	272.00	1500.00	918.90	76.95	90.43	37.50	9.70	73.50	78.11	-	62.10	9055.90
2002-03	3432.21	2962.50	2.00	272.00	2106.25	998.88	80.26	90.43	89.50	16.70	119.50	93.5	-	65.10	10328.83
2003-04	3586.36	2972.50	2.00	272.00	2212.50	998.88	84.26	90.43	114.50	20.43	165.50	93.5	-	82.70	10695.56
2004-05	3586.36	2992.50	2.00	272.00	2571.00	998.88	91.40	95.49	114.50	20.43	178.50	93.51	-	89.14	11105.71
2005-06	3586.36	2962.50	2.00	272.00	2616.94	996.62	101.41	99.49	151.50	20.43	178.50	74.31	-	89.13	11151.19
2006-07	3586.36	3172.50	2.00	272.00	2854.69	1366.62	101.40	101.34	158.20	29.25	182.50	74.31	-	95.14	11996.31
2007-08	3625.36	3382.50	2.00	272.00	2963.22	1366.62	101.40	101.34	174.45	29.25	190.50	74.31	-	98.64	12381.59
2008-09	3664.36	3382.50	2.00	272.00	2963.22	1366.62	104.40	101.34	174.45	29.25	190.50	74.31	-	102.30	12427.25
2009-10	3703.36	4382.5	2.00	272.00	3048.54	2330.62	104.4	114.94	270.8	29.25	190.5	74.31	-	102.3	14625.52
2010-11	3790.36	4592.5	2.00	272.00	2882.68	2494.7	104.4	187.74	270.8	29.25	190.5	74.31	2	109.8	15003.04
2011-12	3829.36	5092.50	3.00	272.00	3116.54	2494.70	105.64	237.39	274.00	29.25	205.25	74.31	20.75	121.80	15876.49
2012-13	3829.36	5092.50	3.00	272.00	3428.97	2494.70	105.64	431.29	274.00	29.25	205.25	78.79	22.75	121.80	16389.30
2013-14	3829.36	5092.50	3.00	272.00	3501.40	2494.70	105.64	663.89	274.00	29.25	205.25	78.79	45.75	121.80	16717.33
2014-15	1671.29	3148.15	2.00	34.29	1712.73	1150.31	89.10	1016.22	206.95	50.37	171.25	78.79	134.85	59.70	9526.00
2015-16	1671.29	3948.15	2.00	34.29	1795.95	1578.95	89.1	1416.32	206.95	50.37	171.25	82.00	579.19	817.75	12443.56
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
2017-18	1797.60	5010.00	5.426	34.29	2330.55	1474.70	104.44	4019.09	203.95	64.14	171.25	17.20	2141.95	670.71	18045.30
2018-19	1797.60	5010.00	405.426	34.29	2403.16	1474.69	102.598	4077.565	203.95	64.15	171.25	17.20	2625.13	670.712	19057.721

6.3 INSTALLED CAPACITY AND NET GENERATION IN 2018-19

Sl.No	Name of the Power House	No.of Units x Capacity MW	Installed Capacity MW	Installed Capacity MW Share	Generation (ex-bus)during 2018-19	Auxiliary Consumption MU	Plant Load Factor %	Availability Factor %
I THERMAL								
1	Vijayawada - I Unit 1	1 x 210	210.00	210.00	2047.52	108.00	53.92	67.65
	Vijayawada - I Unit 2	1 x 210	210.00	210.00		132.50	70.39	88.93
	Vijayawada - II Unit 3	1 x 210	210.00	210.00	2399.55	142.57	71.31	87.51
	Vijayawada - II Unit 4	1 x 210	210.00	210.00		143.83	74.69	91.89
	Vijayawada - III Unit 5	1 x 210	210.00	210.00	2503.90	140.16	76.58	92.91
	Vijayawada - III Unit 6	1 x 210	210.00	210.00		142.93	74.91	92.10
	Vijayawada-IV	1x500	500.00	500.00	2953.63	5.58	71.42	91.68
2	R.T.P.P -I Unit 1	1 x 210	210.00	210.00	2097.49	128.06	63.42	77.97
	R.T.P.P -I Unit 2	1 x 210	210.00	210.00		138.97	65.09	81.48
	R.T.P.P -II Unit 3	1 x 210	210.00	210.00	1937.21	95.18	48.07	59.09
	R.T.P.P -II Unit 4	1 x 210	210.00	210.00		118.36	68.76	85.21
	R.T.P.P.Stg-3 Unit-5	1 x 210	210.00	210.00	911.83	122.86	56.24	72.18
	R.T.P.P.Stg-4 Unit-1	1 x 600	610.00	600.00	1019.36	84.09	20.73	35.98
3	SDS Thermal Power Project I & II, Krishnapatnam	1x800 1x800	1600.00	1600.00	6490.34	--	--	--
TOTAL				5010.00	22360.83	1503.09	58.67	75.01
II	GGPP (Jegurupadu (GVK))			216.82				
III. HYDEL :								
	1. Machkund	3 x 17 3 x 23	✧ 84.00	84.00	289.92	--		
	2. T.B.H.E.S (T.B. Dam & Hampi)	4 x 9 4 x 9						
	3. Upper Sileru	4 x 60	240.00	240.00	473.87	1.00		
	4. Donkarayi	1 x 25	25.00	25.00	76.14	0.61		
	5. Lower Sileru	4 x 115	460.00	460.00	1090.74	5.61		
	6. Srisaillam RBHS	7 x 110	770.00	770.00	549.27	2.58		
	7.Nagarjunasagar RC PH	3 x 30	90.00	90.00	100.14	1.66		
	8.Penna Ahobilam	2 x 10	20.00	20.00	1.41	0.18		
	9.Mini Hydro/33&11kv plants		1.00	1.00	2.18	0.01		
	10.Nagarjuna sagar Tail pond	2 x 25	50.00	50.00	0.12	0.44		
TOTAL				1797.600	2680.45	12.09		
	11.Solar APGENCO			405.426				
IV.	GAS (Joint Sector)			7429.846				
	VGTS - I & II (Gov Share 58.8 * 58.32 %)	(2 x 33) +1x34	58.80	34.29	292.68			
		(1x112) +1x60			798.72			
Total Gas					1091.40			
V.	Utilisation from Central Projects :			2403.16	8018.12			
VI	Private Sector Generation							
	1.IPPs			1888.422	4433.95			
	2.Wind			4077.565	8900.29			
	3.Solar			2625.130	4460.49			
VII	Others			599.31	11198.03			
GRAND TOTAL (I TO VI)				19057.721	63143.56	1515.18		

(*) Data collected from EBC

✧ A.P.Share

**6.4 (A) COMMISSIONING DATES OF GENERATING UNITS
IN STATE SECTOR**

(MW)

Sl.No.	Station	Details of Unit	Capacity in MW	AP Share	Date of Commissioning
I. APGENCO-THERMAL					
1	Dr NTPPS ,Vijayawada	Unit-I	210	210	01.11.1979
		Unit-II	210	210	10.10.1980
		Unit-III	210	210	05.10.1989
		Unit-IV	210	210	23.08.1990
		Unit-V	210	210	31.03.1994
		Unit-VI	210	210	24.02.1995
		Unit-VII	500	500	06.04.2009
2	RTPP Stage -I	Unit-I	210	210	31.03.1994
		Unit-II	210	210	25.02.1995
3	RTPP Stage -II	Unit-I	210	210	24.01.2007
		Unit-II	210	210	21.11.2007
4	RTPP Stage-III	Unit -I	210	210	31-12-2010
	RTPP Stage-IV	Unit -I	600	600	29.03.2018
5	SDS Thermal power project,krishnapatnam	Unit-I	800	800	02.5.2015
6	SDS Thermal power project,krishnapatnam	Unit-II	800	800	24.08.2015
Total Thermal			5010.00	5010.00	
7	GGPP (Jegurupadu (GVK))		216.82	216.82	22.04.2016
II APGENCO-HYDEL					
1	Machkund	Unit-I	17	84	19.08.1955
		Unit-II	17		12.12.1955
		Unit-III	17		26.06.1956
		Unit-IV	23		15.01.1959
		Unit-V	23		07.08.1959
		Unit-VI	23		08.08.1959
2	Tunga Bhadra	Unit-I	9	57.6	26.01.1957
		Unit-II	9		23.05.1957
		Unit-III	9		19.02.1964
		Unit-VI	9		19.06.1964
3	Hampi	Unit-I	9	240	10.02.1958
		Unit-II	9		26.03.1958
		Unit-III	9		14.04.1964
		Unit-IV	9		09.06.1964
4	Upper Sileru	Unit-I	60	240	14.10.1967
		Unit-II	60		31.03.1968
		Unit-III	60		31.03.1994
		Unit-IV	60		21.03.1995
5	Donkarayi		25	25	04.10.1983
6	Lower Sileru	Unit-I	115	460	28.03.1976
		Unit-II	115		06.10.1976
		Unit-III	115		08.11.1977
		Unit-IV	115		13.06.1978
7	Srisailem RBHS	Unit-I	110	770	30.08.1982
		Unit-II	110		14.12.1982
		Unit-III	110		19.11.1983
		Unit-IV	110		27.08.1984
		Unit-V	110		31.03.1986
		Unit-VI	110		30.10.1986
		Unit-VII	110		19.03.1987
8	Nagarjunasagar Right Canal	Unit-I	30	90	24.02.1983
		Unit-II	30		14.09.1983
		Unit-III	30		10.09.1990
9	Penna Ahoobilam	Unit-I	10	20	10.01.1994
		Unit-II	10		23.01.1994
10	Nagarjuna Sagar Tail Pond	Unit-I	25	50	05.01.2017
		Unit-II	25		28.01.2017
III. MINI HYDEL					
1	Chettipeta (Godavari Canal) East Godavari Dist	Unit-I	0.50	1.00	03.08.1991
		Unit-II	0.50		09.08.1991
			1797.600	1797.600	
IV. SOLAR					
1	Polavaram Right Canal		5.426	5.426	19.11.2016
		AP Genco	400.000	400.000	
			AP Genco Total	405.426	

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

(MW)

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 Unit-II Unit-III	9.33	02.12.1990 12.03.1991 17.03.1992		
2.	Vijjeswaram- Stage-II(West Godavari)	Unit-I Unit-II		24.96	31.03.1997 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 31/03/2019	Date of Commissioning		
1	RSTPS - Unit I - 200 MW		517.35	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 VII- 500 MW			April'2005		
2	MAPP Unit I - 220 MW		18.40			
	Unit II - 220 MW					
3	NLC Unit I - 210 MW		134.44	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		
	UnitVII - 210 MW			19.06.1993		
4	KAIGA Unit I- 220 MW		116.20	1999-2001		
	Unit II - 220 MW			1999-2001		
	Unit III - 220 MW			19.05.2007		
	Unit-IV-220 MW			20-01-2011		
5	Simhadri Stage I- Unit I- 500 MW		461.1	24.08.2002		
	Unit II- 500 MW					
6	Simhadri Stage II Unit I - 500 MW		259.20	30.09.2012		
	7	Talcher Stage II Unit 3- 500 MW			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)		87.93	26.02.2015		
	Tuticorin,Tamilnadu 1x500 MW			123.22		
	Kudankulam UnitI 1x1000			0		
	NTPC (Kudgi) 1x800			384.72		
	11	Westren region bundled power			75.00	
	12					
	Total Share from Central Sector			2403.160		
	6.4 (C) COMMISSIONING DATES OF GENERATING UNITS IN PRIVATE SECTOR					
	S.No.	Station		Details of Unit	share as on 31/03/2019	Date of Commissioning
I. GAS & Thermal						
1.	Jegurupadu GVK CCGBTPS (East Godavari Dist.)	Unit-I	0.00	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	205.19	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	Vemagiri (East Godavari Dist)		170.607	16.09.2006		
6	Konaseema Gas Power Ltd(East Godvari Dist)		204.765	17-06-2009		
7	Gautami (East Godavari Dist)		213.950	05-06-2009		
8	M/s Thermal Power tech		230.55	15-09-2015		
9	M/s KSK Mahanadi Power Company Ltd		400.00	25-08-2014		
Total of IPPs(Gas) MW			1888.422			

6.4 (c) Commissioning Dates of Generating Units in Private Sector (Mini Hydel)					(KW)		
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	1400	1400	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 -II	Nippulavagu Canal, Velapanoor	Kurnool	4000	4000	25-12-2003	
12	M/s Balaji Energy Ltd.	Somasila Reservoir	Nellore	10000	10000	31-12-2005	
13	M/s Balaji Energy Ltd.	Somasila Reservoir	Nellore	2000	10000	-11-2008	
14	M/s.Sardar Power Ltd	Nagavali river at Nagur, Gurugubilli	Vizianagaram	1500	2000	17-7-2008	
16	Akshay Profiles (P) Ltd., Scheme-I	M 0-4-312 on GBC, Chilakaluripet Major	Guntur	500	1x500	13.07.2000	
17	Akshay Profiles (P) Ltd., Scheme-II	M 0-4-312 on GBC, Chilakaluripet Major	Guntur	500	1x500	11.09.2000	
18	Deccan Cements	Guntur Branch Canal	Guntur	3750	3x1250	28.02.1996	
19	Espar Pak Ltd., Scheme	Bellamkonda Branch Canal	Krishna	1300	1x1300	08.04.2000	
20	KCP Ltd., Scheme-I	Guntur Branch Canal	Guntur	1500	2x750	06.09.1999	
21	KCP Ltd., Scheme-II	Guntur Branch Canal	Guntur	1500	2x750	20.11.1998	
22	KCP Ltd., Scheme-III	Guntur Branch Canal	Guntur	1500	2x750	18.09.1998	
23	KCP Ltd., Scheme-IV	Guntur Branch Canal	Guntur	2250	3x750	02.04.1999	
24	KCP Limited Scheme-V	Guntur Branch Canal	Guntur	1500	2x750	14.03.1998	
25	M/s. Rayalaseema Power Projects Ltd.	Guntur Branch Canal	Guntur	3000	3x1000	21.11.1998	
26	Dhanalakshmi Cotton & Rice Mills Ltd., Scheme - I	Addanki Branch Canal	Guntur	2000	2x1000	24.11.1997	

6.4 (c) Commissioning Dates of Generating Units in Private Sector (Mini Hydel)					(KW)		
Sl. No.	Name of the Company	Location	District	Capacity Connected to Grid	No. x Capacity KW	Date of Commissioning	
27	Dhanalakshmi Cotton & Rice Mills, Scheme - II	Addanki Branch Canal	Guntur	1588	2x794	23.12.1997	
28	Dhanalakshmi Cotton & Rice Mills Ltd., Scheme - III	Addanki Branch Canal	Guntur	2610	2610	23.07.1997	
29	Sagar Power Ltd, Scheme I	Guntur Branch Canal	Guntur	4300	4300	27.11.1997	
30	Sagar Power Ltd, Scheme II	at Lock-in-sula on KC Canal	Kurnool	4000	4000	07.09.1998	
31	Sri Jayalaxmi Power Corp., Scheme-I	Addanki Branch Canal	Guntur	2000	2x1000	27.02.2000	
32	Sri Jayalaxmi Power Corp. Scheme-II	Addanki Branch Canal	Guntur	2000	2x1000	19.01.2000	
33	SKJ Power Projects Ltd.,	Ongole Branch Canal	Prakasam	1500	2x750	27.01.1999	
34	Shivani Power Spinners Ltd	Zulakallu Branch Canal	Krishna	750	1x750	11.03.2000	
35	Trident Power Systems, Scheme-I	Addanki Branch Canal	Guntur	2000	2x1000	13.10.1999	
36	Trident Power Systems, Scheme-II	Addanki Branch Canal	Guntur	2000	2x1000	26.08.1999	
37	Trident Power Systems, Scheme-III	Addanki Branch Canal	Prakasam	3000	2x1500	28.02.2001	
38	Tirumala Hydel Power Projects Ltd., Unit - I	Guntur Branch Canal	Guntur	800	2x400	02.02.2000	
39	Tirumala Hydel Power Projects Ltd., Unit - II	Guntur Branch Canal	Guntur	800	1x800	01.07.2000	
40	Tirumala Hydel Power Projects Ltd., Unit - III	Guntur Branch Canal	Guntur	800	1x800	06.11.2000	
41	M/s Bhavani Hydro Power Projects Pvt. Ltd.	Bellamkonda Branch canal. Scheme II	Guntur	550.0	550	08/28/99	
42	Manihamsa Power Projects Ltd.	Yeleswaram , Reservoir Project, East Godawari	East Godawari	1500	1500	06.04.2004	
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	
44	M/s Kandaleru Power Company Ltd	Kandaleru Reservoir, Rapur	Nellore	3000	3000	17.12.2017	
45	M/s Balaji Energy Ltd.	Somasila Reservoir	Nellore	8000	8000	02.12.2017	
46	M/s Balaji Energy Ltd.	Somasila Reservoir	Nellore	3000	3000	30.12.2017	
		Total Mini Hydel in MW		102.598			

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

Sl. No.	Name of the Plant	Location	District	Installed Capacity (MW)	Commercial Operation Date
PROJECTS SELLING ENERGY TO APDISCOMs UNDER PPAs:					
1	M/s NILE Ltd.	Ramagiri, Ananthapur, APCPDCL	Ananthapur	2.00	30.08.95
2	M/s Weizmann Ltd.	Ananthapur, APCPDCL	Ananthapur	8.00	13.09.95
3	M/s Veeramani Biscuit Industries Ltd.	Ramagiri, Ananthapur, APCPDCL	Ananthapur	1.00	10.01.96
4	NEDCAP	Kondamedapalli Kurnool APCPDCL	Kurnool	2.75	31.3.2001
5	NEDCAP	Narsimhakonda Nellore APSPDCL	Nellore	2.5	7.5.2004
6	M/s Hyderabad Chemicals Supplies Limited.	Kadavakallu Ananthapur Dist. APCPDCL	Ananthapur	3.75	09.06.2006
7	M/s Hyderabad Chemicals Products Limited.	Kadavakallu Ananthapur Dist. APCPDCL	Ananthapur	0.75	09.06.2006
8	M/s Maxivision Laser Centre Pvt. Ltd.	-do-	Ananthapur	0.45	7.2.2006
9	Dr.Kasu Prasad Reddy.	-do-	Ananthapur	0.45	7.2.2006
10	M/s Vimal Roller Flour Mills	-do-	Ananthapur	0.225	7.2.2006
11	M/s V.V.Agro Foods	-do-	Ananthapur	0.225	7.2.2006
12	M/s Orange Sorting Machines(India) Pvt. Ltd	Kondameedipalli, Thummalapenta(V), kolimigundla(M) Kurnool District. APCPDCL	Kurnool	0.8	06.04.2010
13	M/s Canara Cements Pipes	Kondameedipalli, Petnikota(V), kolimigundla(M) Kurnool	Kurnool	0.8	20.04.2010
14	M/s Nandi Roller Flour Mills(P) Ltd	Kondameedipalli, Thummalapenta(V), kolimigundla(M) Kurnool District. APCPDCL	Kurnool	0.8	15.04.2010
15	M/s Texmo Industries	Kondameedipalli, Petnikota(V), kolimigundla(M) Kurnool	Kurnool	2.4	15.04.2010
16	M/s Prakash Beedies Pvt. Ltd	Kondameedipalli, Thummalapenta(V), kolimigundla(M) Kurnool District. APCPDCL	Kurnool	0.8	08.04.2010
17	M/s Arts and Crafts Exports	Kondameedipalli, Petnikota(V), kolimigundla(M) Kurnool	Kurnool	0.8	22.04.2010
18	M/s G. shoe Export	-Do-	Kurnool	0.8	22.04.2010
19	M/s Chandulal Surajmal	-Do-	Kurnool	0.8	22.04.2010
20	M/s Compucom Software Ltd.	-Do-	Kurnool	0.8	22.04.2010
21	M/s Mayura Steels Pvt. Ltd	-do-	Kurnool	0.8	23.04.2010
22	M/s Siddaganga Oil Extractions Pvt. Ltd.	-do-	Kurnool	1.6	24.04.2010
23	M/s Protectron Electromech Pvt. Ltd	Kondameedipalli, Thummalapenta(V), kolimigundla(M) Kurnool District. APCPDCL	Kurnool	0.8	24-04-2010
24	M/s S.Kumar	Kondameedipalli, Petnikota(V), kolimigundla(M) Kurnool	Kurnool	0.8	24-04-2010
25	M/s Meghana Associates	-do-	Kurnool	0.8	22-04-2010
26	M/s Vikram Traders	Kondameedipalli, Itikyai(V), kolimigundla(M) Kurnool District. APCPDCL	Kurnool	0.8	18-06-2010
27	M/s Shilpa Medicare Ltd.	Kondameedipalli, Petnikota(V), kolimigundla(M) Kurnool	Kurnool	1.6	18-06-2010
28	M/s Texmo Precision Castings Ltd.	Kondameedipalli, Thummalapenta(V), kolimigundla(M) Kurnool District. APCPDCL	Kurnool	1.6	03.08.2010
29	M/s Vaayu(India) Power Corporation Ltd(Phase-I)	Kondameedipalli, Petnikota(V), kolimigundla(M) Kurnool	Kurnool	4.8	02.08.2010
30	M/s Vaayu(India) Power Corporation Ltd(Phase-2)	Kondameedipalli, Petnikota(V) and Thummalapenta(v), kolimigundla(M) Kurnool	Kurnool	4.8	25-09-2010

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

Sl. No.	Name of the Plant	Location	District	Installed Capacity (MW)	Commercial Operation Date
31	M/s Vaayu(India) Power Corporation Ltd(Phase-3)	Kondameedipalli, Chintayalapalli(V) & Abdullapuram(V), kolimigundla(M) Kurnool District. APCPDCL	Kurnool	4.8	30.03.2011
32	M/s Vaayu(India) Power Corporation Ltd(Phase-4)	Kondameedipalli, Chintayalapalli(V), kolimigundla(M) Kurnool District. APCPDCL	Kurnool	11.2	28.09.2010
33	M/s Vish Wind Infrastructure LLP (Phase-I)	Kondameedipalli, Kurnool District. APCPDCL	Kurnool	0.8	14.10.2010
34	M/s Vish Wind Infrastructure LLP (Phase-III)	Kondameedipalli, Kurnool District. APCPDCL	Kurnool	1.6	14.10.2010
35	M/s Vish Wind Infrastructure LLP (Phase-II)	Kondameedipalli, Kurnool District. APCPDCL	Kurnool	2.4	14.10.2010
36	M/s Vaayu(India) Power Corporation Ltd(Phase-5)	Kondameedipalli, Chintayalapalli(V), kolimigundla(M) Kurnool District. APCPDCL	Kurnool	4.8	30.09.2010
37	M/s Vaayu(India) Power Corporation Ltd(Phase-6)	Kondameedipalli, Chintayalapalli(V), kolimigundla(M) Kurnool District. APCPDCL	Kurnool	9.6	02.12.2010
38	M/s Vish Wind Infrastructure LLP (Phase-II)	Kondameedipalli, Kurnool District. APCPDCL	Kurnool	1.6	31.03.2011
39	M/s Vaayu(India) Power Corporation Ltd(Phase- 7)	Kondameedipalli, Chintayalapalli(V), kolimigundla(M) Kurnool District. APCPDCL	Kurnool	10.4	31.12.2010
40	M/s. Texonic Instruments.	Kondameedipalli, Kurnool District. APCPDCL	Kurnool	0.8	30.03.2011
41	M/s Happy Valley Developers	Kondameedipalli, Kurnool District. APCPDCL	Kurnool	0.8	31.03.2011
42	M/s. Shreem Electric Limited	Kondameedipalli, Kurnool District. APCPDCL	Kurnool	1.6	31.03.2011
43	M/s. Hyderabad Chemicals limited	Kadavakallu, Ananthapur District. APCPDCL	Ananthapur	5.1	30.06.2011
44	M/s.Sai Silks (Kalamandir)	Kondameedipalli, Kurnool District. APCPDCL	Kurnool	2	31.03.2011
45	Triveni Enterprises	Kondameedipalli, Kurnool District. APCPDCL	Kurnool	0.8	30.09.2011
46	M/s. International – Conveyors (Phase-I)	Kondameedipalli, Kurnool District. APCPDCL	Kurnool	0.8	22.09.2011
47	M/s. International Conveyors (Phase-II)	Kondameedipalli, Kurnool District. APCPDCL	Kurnool	0.8	22.09.2011
48	M/s Vish Wind Infrastructure LLP (Phase-IV)	Kondameedipalli, Kurnool District. APCPDCL	Kurnool	1.6	30.09.2011
49	M/s Ramansons Asbestos cement products	Kondameedipalli, Kurnool District. APCPDCL	Kurnool	0.8	30.09.2011
50	M/s IOCL	Vajrakarur, Anantapur	Anantapur	16.8	31.03.2012
51	M/s Mytrah Vayu (Pennar) Pvt Ltd. (Phase-I)	Vajrakarur, Anantapur	Anantapur	16.8	31.03.2012
52	M/s NREDCAP	Rekulakunta (V), Anantapur	Anantapur	5.95	29.03.2012
53	M/s NREDCAP	Kodamamidipalli, kurnool	kurnool	1.6	31.03.2012
54	M/s.IOCL	Vajrakarur, Anantapur	Anantapur	10.5	18.05.2012
55	M/s.MGM Springs private Limited	Nallakonda site, Penukond (M) Anantapur Dist.	Anantapur	0.8	19.07.2012
56	M/s.Mytrah Vayu (Pennar) Pvt Ltd (Ph-II)	Vajrakarur, Anantapur	Anantapur	16.8	25.10.2012
57	M/s.Mytrah Vayu (Pennar) Pvt Ltd (Ph-III)	Vajrakarur, Anantapur	Anantapur	6.3	25.10.2012
58	M/s.Mytrah Vayu (Pennar) Pvt Ltd (Ph-IV)	Vajrakarur, Anantapur	Anantapur	6.3	25.10.2012
59	M/s.Mytrah Vayu (Pennar) Pvt Ltd (Ph-V)	Vajrakarur, Anantapur	Anantapur	4.2	25.10.2012
60	M/s.Mytrah Vayu (Pennar) Pvt Ltd (Ph-VI)	Vajrakarur, Anantapur	Anantapur	4.2	25.10.2012
61	M/s.Mytrah Vayu (Pennar) Pvt Ltd (Ph-VII)	Vajrakarur, Anantapur	Anantapur	6.3	25.10.2012
62	M/s.Mytrah Vayu (Pennar) Pvt Ltd (Ph-VIII)	Vajrakarur, Anantapur	Anantapur	2.1	25.10.2012
63	M/s Neminath Trading Company (M/s.RV Consulting services Private Ltd)	Nallakonda site, Penukond (M) Anantapur Dist	Anantapur	0.8	10.04.2013
64	M/s,Khandke Wind Energy Private Ltd phase-I	Nallakonda site, Penukond (M) Anantapur Dist	Anantapur	2.4	10.04.2013
65	M/s,Khandke Wind Energy Private Ltd phase-II	Nallakonda site, Penukond (M) Anantapur Dist	Anantapur	6.4	04.05.2013

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

Sl. No.	Name of the Plant	Location	District	Installed Capacity (MW)	Commercial Operation Date
66	M/s.Sri KPR Infra & Projects Ltd	Gandikota, Jammalamadugu APSPDCL	Kadapa	2.1	17.07.2013
67	M/s.Weld Fuse Pvt Ltd	Gandikota, Jammalamadugu APSPDCL	Kadapa	2.1	17.07.2013
68	M/s.KRBL Ltd	Gandikota, Jammalamadugu APSPDCL	Kadapa	2.1	17.07.2013
69	M/s.Sri Venkateswara Pipes Limited	Gandikota, Jammalamadugu APSPDCL	Kadapa	2.1	17.07.2013
70	M/s.Khandke Wind Energy Private Ltd phase-III	Nallakonda site, Penukond (M) Anantapur Dist	Ananthapur	4	11.07.2013
71	M/s.Khandke Wind Energy Private Ltd phase-IV	Nallakonda site, Penukond (M) Anantapur Dist	Ananthapur	2.4	04.08.2013
72	M/s.Beta Wind Farms private Limited	Kadavakallu Area in Anantapur Dist	Ananthapur	50.4	27.07.2013
73	M/s.Saptagir Camphor limited	Nallakonda site, Penukond (M) Anantapur Dist	Ananthapur	0.8	05.08.2013
74	M/s.IOCL	Gandikota YSR Kadapa	YSR Kadapa	14.7	03.04.2013
75	M/s.Hetro Wind power project Limited	220/132 KV Kondapuram SS, Kadapa	YSR Kadapa	13.5	3.07.2013
76	M/s .Rayala wind power company Pvt. Limited	Balavenkatapuram(V) Anantapur dist	Ananthapur	101.2	29.11.2013
77	M/s. Khandke Wind Energy Pvt Ltd Phase -V	Nallakonda site, Penukond (M) Anantapur Dist	Ananthapur	4	06.09.2013
				4	25.09.2013
				8	30.11.2013
78	M/s.Mytrah Vayu (India) Pvt Ltd	Burugula site,Kurnool dist	Kurnool	37.4	21-02-2014
79	M/s Woodside Fashions Ltd	Chabala(V), Vajrakarur(M), Ananthapur Dist	Ananthapur	2.1	28.03.2014
80	M/s Hitech Systems & services Ltd	P.C.Pyapalli(V), Vajrakarur (M), Ananthapur Dist	Ananthapur	4.2	28.03.2014
81	M/s.Indian Oil Corporation Limited (Suzlon)	Gandikota Jammalamadugu YSR Kadapa	YSR Kadapa	4.2	31.03.2014
82	M/s Rayala wind power projects Ltd	Balavenkatapuram(V) Anantapur dist	Ananthapur	50	26.07.2014
83	M/s Energon Power Resource Pvt Ltd	Tagguparthi(V), Ananthapur Dist	Ananthapur	48	08.07.2014
84	M/s KRBL	Ganthimarri(V), Ramagiri (M),Ananthapur (D)	Ananthapur	8.4	21.11.2014
85	M/s Santhiram Wind power Pvt Limited	Chabala(V), Vajrakarur(M), Ananthapur Dist	Ananthapur	2.1	12.06.2014
86	M/s BNR constructions	Kondamedapalli(V), Kolimigundala (M), Kurnool APSPDCL	Kurnool	1	19.12.2014
87	M/s En En Electrical Engineers Pvt Limited	Vajrakarur(M), Ananthapur Dist	Ananthapur	2.1	14.11.2014
88	M/s Rajasthan Gum Pvt Limited	Muthuvakuntala(V), Kanganapalli(M), Anthapur District	Ananthapur	2.1	31.12.2014
89	M/s sterling Agro Industries Limited	Tallimadugula(V), Anthapur District	Ananthapur	4.2	29.01.2015
90	Energon Ph-II	Tagguparthi , Anantapuram	Anantapuram	100	11.03.2015
91	Anantapura Wind Energies Pvt Limited (Rayala	Anthapur District	Anantapuram	10	19.05.2015
92	Rayalaseema Wind Energies Pvt Limited (Rayala	Anthapur District	Anantapuram	10	19.05.2015
93	M/s Hitech Systems & services Ltd	Anthapur District	Anantapuram	2.1	02.06.2015
94	Sri Vijayeebhava Enterprises private Limited	Muthuvakuntala(V), Kanganapalli(M), Anthapur District	Anantapuram	2.1	01.08.2015
95	Karam Chand Thapar & Bros Limited	Borampalli, Kalyandurg (V) Anthapur District	Anantapuram	24	10.08.2015
96	Jindal Aluminium Limited	Vajrakarur, Uravakonda.	Anantapuram	25.2	25.08.2015
97	Rayala wind power company limited	Balavenkatapuram (V) Anantapur dist	Anantapuram	8	15.09.2015
98	Sunwin power tecg India LLP	Signamala, Ananthapur	Anantapuram	4	28.11.2015
99	Vibrant green tech India (P) Ltd	Signamala, Ananthapur	Anantapuram	0.8	28.11.2015
100	Vibrant green tech India (P) Ltd	Signamala, Ananthapur	Anantapuram	8	15.12.2015
101	Mythrah Vaayu (Indiravathi) Pvt Ltd	Pottipadu, Vajrakarur in Anthapur Dist	Anantapuram	39.9	31.12.2015
102	Mythrah Vaayu (Indiravathi) Pvt Ltd	Pottipadu, Vajrakarur in Anthapur Dist	Anantapuram	65.1	06.03.2016
103	Mangalam Fashions Ltd	Belguppa in Anantapuram	Anantapuram	2.1	24.03.2016
104	Woodside Fashions Ltd	Belguppa in Anantapuram	Anantapuram	2.1	24.03.2016

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

Sl. No.	Name of the Plant	Location	District	Installed Capacity (MW)	Commercial Operation Date
25	M/s Jyotirmaye Textiles Pvt. Ltd	Tallimadugula	Ananthapur	4.00	05.08.2017
26	M/s Ramabhadra Industries Pvt Ltd	Kankela, Anathapur	Anathapur	2.10	02.09.2017
27	M/s Tirumala Cotton & Agro Products Pvt Ltd	Vajrakarur, Anantapur dist	Ananthapur	2.00	04.11.2017
28	M/s. Si Lakshmi Ganapathi Engineering works	Molagavalli	Kurnool	2	31.03.2018
29	M/s Guntur Spinning mills Pvt. Ltd	Molagavalli	Kurnool	2	08.07.2018
30	M/s.Sri Lalitha Parameswari spinning mills pvt.Ltd	Molagavalli	Kurnool	2	08.07.2018
31	M/s.Viswateja Spinning mills	Molagavalli	Kurnool	2	01.09.2018
32	M/s. Sri Anantha Lakshmi Spinning mills Pvt.Ltd	Molagavalli	Kurnool	2	26.09.2018
33	M/s. Nukala Rama Koteswara Rao Textiles Pvt. Ltd	Molagavalli	Kurnool	2	26.09.2018
34	M/s. Praveen Spinners	Belguppa	Anantapuram	2.1	14.12.2018
35	M/s. Natco Pharma Ltd.	Belguppa	Anantapuram	2.1	14.12.2018
			Total	188.93	MW

6.4 (c) Commissioning Dates of Generating Units in Private Sector(WIND POWER)					
Sl. No.	Name of the Plant	Location	District	Installed Capacity (MW)	Commercial Operation Date
PROJECTS SELLING ENERGY TO APDISCOMs UNDER REC Mechanism AGREEMENTS:					
Sl. No.	Name of the Plant	Location		Installed Capacity (MW)	Commercial Operation Date
1	Taddas Wind Energy Limited (Phase-I)	Nallakonda site, Penukond (M) Anantapur Dist.	Ananthapur	12.80	17.07.2012
2	Taddas Wind Energy Limited (Phase-II)	Nallakonda site, Penukond (M) Anantapur Dist.	Ananthapur	3.20	09.07.2012
3	Taddas Wind Energy Limited (Phase-III)	Nallakonda site, Penukond (M) Anantapur Dist.	Ananthapur	6.40	17.07.2012
4	Taddas Wind Energy Limited (Phase-IV)	Nallakonda site, Penukond (M) Anantapur Dist.	Ananthapur	9.60	15.07.2012
5	Taddas Wind Energy Limited (Phase-V)	Nallakonda site, Penukond (M) Anantapur Dist.	Ananthapur	8.00	07.07.2012
6	Taddas Wind Energy Limited (Phase-VI)	Nallakonda site, Penukond (M) Anantapur Dist.	Ananthapur	8.00	07.07.2012
7	Taddas Wind Energy Limited (Phase-VII)	Nallakonda site, Penukond (M) Anantapur Dist.	Ananthapur	2.40	29.11.2012
8	Vish Wind Infrastructure LLP (Phase-I)	Nallakonda site, Penukond (M) Anantapur Dist.	Ananthapur	12.80	15.07.2012
9	Vish Wind Infrastructure LLP (Phase-II)	Nallakonda site, Penukond (M) Anantapur Dist.	Ananthapur	6.40	09.07.2012
10	Vish Wind Infrastructure LLP (Phase-III)	Nallakonda site, Penukond (M) Anantapur Dist.	Ananthapur	1.60	09.07.2012
11	Protectron Electromech Private Limited	Nallakonda site, Penukond (M) Anantapur Dist.	Ananthapur	0.80	28.07.2012
12	M/s.Oil country tublar ltd	Nallakonda site, Penukond (M) Anantapur Dist.	Ananthapur	0.80	29.09.2012
13	(M/s.Sukaso Ceracolors Private Limited)	Nallakonda site, Penukond (M) Anantapur Dist.	Ananthapur	1.60	09.10.2012
14	M/s.NALCO(National Alumimium Company)	Gandikota YSR Kadapa	YSR Kadapa	50.40	31.12.2012
		Total		124.800	MW
		GRAND TOTAL		4077.565	MW

6.4 (c) Commissioning Dates of Generating Units in Private Sector (Bio mass Projects)					
Sl. No.	Name of the Plant	Location	District	Connected Capacity (in KW)	Commercial Operation Date
Biomass Co-Generation Power Projects (Under PPA)					
1	M/s Gautami Solvent Oils Ltd.	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., Hyderabad.	Penamaluru Mandal	Krishna	4000	9.11.2001
12	M/s Varam Power Projects (P) Ltd.	Etcherla(M)	Srikakulam	6000	12.12.01
13	M/s KMS Power Pvt. Ltd.	Sattenapalli (M)	Guntur	6000	22.7.2002
14	M/s Rithwik Energy Systems Ltd.	Srikalahasti Mandal	Chittoor	6000	18.9.2002
15	M/s Suchand Power Generation Pvt. Ltd.,	Nandyal(M)	Kurnool	6000	28.11.2002
16	M/s Veeraiah Non-Conventional Power Projects Pvt. Ltd.,	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				171,250	

Biomass Co Generation Power Projects (Non-Bagasse)					
1	Lalitha Enterprises	East Godavari dist	East Godavari	0.50	15.8.2003
2	Sri Murali Mohana Para Boiled Rice Mill	East Godavari dist	East Godavari	0.65	26/8/2003
3	Sri Ramadas Paper Boards (P) Ltd	East Godavari dist	East Godavari	4.00	27/6/2006
4	Surya Chandra Paper Mills Ltd	East Godavari dist	East Godavari	3.00	27/11/2007
5	Sri Satyanarayana Raw & Boiled Rice (P) Ltd	West Godavari dist	West Godavari	0.75	31/3/2008
6	Delta Paper Mills Ltd	West Godavari dist	West Godavari	9.90	1/12/2007
7	Sree Godavari Kraft Paper (p) ltd	West Godavari dist	West Godavari	3.00	15/11/2008
8	Sri Gowthami Rice Industries Ltd	East Godavari dist	East Godavari	0.75	25/3/2009
9	Sirius Overseas Pvt. Ltd	East Godavari dist	East Godavari	9.00	4/1/2009
10	Seven Hills Papers (P) Ltd	East Godavari dist	East Godavari	1.20	25/2/2009
11	Sri Lalitha Enterprises Industries Ltd (Unit	East Godavari dist	East Godavari	4.70	25/2/2009
12	Pallavi Enterprises, D.No.6-22, Enikepadu, Vijayawada, Rural, Krishna Dist	Enikepadu, Vijayawada, Rural	Krishna	2.50	10/2/2010
13	MGR Rice Industries, Polamuru, 533 342, Anaparthi Mandal, East Godavari dist	Polamuru	East Godavari	0.89	1/7/2013
14	Adilaxmi Industries, Vetapalem. Rly.Station, East Godavari dist	Vetapalem	East Godavari	0.41	1/4/2014
15	Naga Hanuman Solvent Oils Pvt Ltd, D.No. 7B-15 -45, Maruthinagar, Vippuvari Veedhi, Eastern Street, Eluru, West Godavari dist	Gundugolanu	West Godavari	1.20	1/12/2013
16	Nava Bharat Agro Products Limited, 8-2-235, Road No.3, Banjara Hills, Hyderabad	Uppalameta	West Godavari	0.95	12/9/2014
17	M/s Ananda Enterprises (India) Pvt Ltd, 27-8-21/3, ShivaraoPET, Bheemavaram, West Godavari dist	Kothapusalamarru	West Godavari	2.00	1/4/2014
18	M/s Shree Gowthamee Rice Industries (P) Limited, Chelluru, Rayavaram Mandal, East Godavari dist	Cehlluru	East Godavari	0.58	1/2/2014
19	M/s Aroma Biotech Pvt Ltd, St. No. 237/1, Avapadu village, Nallajerla Mandal, West Godavari dist	Avapadu	West Godavari	2.20	12/5/2012
20	M/s. Vijaynagar Bio- Tech Ltd	KoTha Koperla (V), Pusapatiregu (M)	Vizianagara m	1.20	20/2/2013
21	M/s. Nava Bharat Agro Products Ltd, 8-2-235, Road No.3, Banjara Hills, Hyderabad	Uppalametta (V), Jangareddygudem (M)	West Godavari	1.00	15/3/2015
22	M/s Veda Bio Fuel Pvt Ltd	Nadipalli(V) Pusapatirega(M)	Vizianagaram(Dt)	3.00	15/3/2016
23	M/S Shree Gowtami Rice Industries (P) Ltd	Chelluru(V) Rayavaram (M)	East Godavari(Dt)	0.88	1/6/2016
24	M/S Balaji Boiled & Raw Rice mill	Ramavaram (V) Jaggampet	East Godavari(Dt)	0.89	1/6/2016
25	M/s NavaBharat Ltd	Uppalametta (V), Jangareddygudem (M)	West Godavari	6.00	01.07.2017
26	M/s Sindhura Paper Pvt Ltd	Marampalli(V), Dwaraka Tirumala	West Godavari	3.00	01.07.2017
Total Biomass Co Generation Power Projects (Non-Bagasse)				64.150	

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	20.00	13.01.2003
2	M/s.KCP Sugar & Industries Corporation Ltd.	Vuyyuru (V&M), Krishna Dist.APSPDCL	Krishna	12.00	26.12.2005
3	M/s KCP Sugars & Industries Ltd.,	Lakshmpuram (V), Challapalli (M), Krishna Dist.. APSPDCL	Krishna	5.00	17.01.2006
4	M/s Empee Power Projects Ltd	Nellore District	Nellore	20.00	12.03.2010
5	M/s GMR Technologies & Industries Ltd.	Sankili (V), R.Amadalavalasa (M)Srikakulam Dist. APEPDCL	Srikakulam	16.00	15.8.2001
6	M/s The Etikoppaka Co-operative Agricultural and Industrial Society Limited.	Daralapudi (V), S.Rayavaram (M), Visakhapatnam Dt.APEPDCL	Visakhapatnam	1.50	1.3.2001
7	M/s. The Chodavaram Co-operative Sugars Ltd.,	Govada (V), Chodavaram (M), Visakhapatnam Dt. APEPDCL	Visakhapatnam	7.00	6.04.2003
8	M/s.KBD Sugars (Formerly Shree Vaani Sugars & Industries) Limited	Mudipapanapalli (V)Punganur (M), Chittoor Dist.APSPDCL	Chittoor	6.00	08.08.2003
9	M/s The Jeypore Sugar Company Ltd.	Chagallu (V)& (M), West Godavari Dist.APEPDCL	West Godavari	12.00	11.12.2003
10	M/s Nava Bharat Ferro Alloys Ltd. (Deccan Sugars)	Samalkot, East Godavari Dt., APEPDECL	East Godavari	9.00	2 MW-7.2.99 7 MW-23.11.05
Total				108.50	
Bagasse Co-generation (Under PWPAs)					
11	M/s Sudalagunta Sugars Ltd.	Mayuranagar (V) B.N.Kandriga Mandal Chittoor Dist.APSPDCL	Chittoor	5.00	09.06.1999
12	M/s The Andhra Sugars Ltd., Venkatarayapura, Tanuku, West Godavari Dist.	Sugar Unit-II, Tadwai, West Godavari Dist.,APEPDCL	West Godavari	7.00	21.01.1999
Total				12.00	
Bagasse Co-generation (Under Open Access and Capitive)					
13	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
14	M/s NCS Sugars Ltd	Lachayyapeta, Bobbili in Vizianagaram Dist	Vizianagaram	20.00	15.06.2007
15	Saritha Sugars Ltd, Prabhagiripatnam (V) Podalkur (M) Nellore Dist	Prabhagiripatnam (v) Podalkur(M) Nellore dist.	Nellore	6.00	00.04.2001
16	Krishnaveni Sugars Ltd, D.No.3-5-821, Doshi Square, Hyderabad	Ramakrishnapuram, West Godavari	West Godavari	28.00	19.10.2003
17	Jeypore Sugars Company Ltd (Unit II), Pothavaram, West Godavari dist. 534 176,	Pothavaram (V&MM) West Godavari	West Godavari	16.80	19.10.2003
Total				83.45	
Total Bagasee				203.950	MW
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 Sarvarava 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
44	ACME Clean Tech (M/s.Vishwatma Solar Energy Pvt.Ltd)	Kadivella Village Yemmiganur Mandal	Kurnool	10.00	15/4/2016
45	First Solar Power India Pvt Ltd (penugur)	Punganur	Chittoor	40.00	9/5/2016
46	ACME Clean Tech (M/s.Jaisalmer Solar power Pvt.Ltd)	Rohukurupalli (V) Rayachoti,Ramapuram(M)	Cuddapah	20.00	12/5/2016
47	Waneep Solar Pvt Ltd	Marrimakulapalli(V) Guramkonda(M)	Chittoor	25.00	19/5/2016
48	Sumeru Energy Pvt Ltd	Jagadurthy(V) Dhone(M)	Kurnool	1.00	23/6/2016
49	SSR Agro Energy	Gajulapellore(V) BN Kandrikga (M)	Chittoor	1.00	9/4/2016
50	M/S Varshini Exim Pvt Ltd	Nagari Madugu-SS(V) Voalpadu(M)	Chittoor	1.00	4/8/2016
51	Visakhapatnam Port Trust	Visakhapatnam	Visakhapatnam	6.25	18/8/2016
52	Sri Jaya Jyothi Cements Pvt Ltd	Yanakandla (V) Banaganapalli(M)	Kurnool	1.00	24/8/2016
53	M/S Vallala Sujatha (SPROUTS Solar Energy Pvt Ltd)	Pamulapadu	Kurnool	2.00	8/9/2016
54	M/S Ushodaya Enterprises	Tadimarri (V) & (M)	Ananthapur	5.00	22/9/2016
55	Sumeru Energy Pvt Ltd	Jagadurthy(V) Dhone(M)	Kurnool	4.00	22/9/2016
56	M/S VBC Renewable Energy Pvt Ltd	Garividi	Vizianagaram(Dt)	3.00	22/7/2016
57	M/S Narasimha Swamy Solar Generations Pvt Ltd	Peravali Singanamala (M)	Ananthapur	5.00	26/9/2016
58	M/S Yashwanth Solar Energy Pvt Ltd	Kothapalli Mudunuru (M)	Kadapa	1.00	1/10/2016
59	Repal Renewables Pvt Ltd	Thanakallu (V&M)	Ananthapur	4.90	19/11/2016
60	Sri Varahalakshmi Narasimha Swamy Devasthanam	Simhachalam	Visakhapatnam	1.00	3/2/2017
61	Tirumala Tirupati Devasthanams	Kasavaripalli (V) Thamballapalle (M)	Chittoor	3.00	2/2/2017
62	Kanti Brothers oils Pvt Limited	Kurnool	Kurnool	3.00	11/2/2017
63	Sri Chakra cements Projects Co Private Limited	Perindesam (V) KVB Puram (M)	Chittoor	2.00	9/2/2017
64	IFMR	Sri Kalahasti, Chittoor District	Chittoor	0.50	10/3/2017
65	SVR Corporation Pvt Ltd	Jillelamanda(V), KV Palli(M), Chotoor	Chittoor	2.00	15/3/2017
66	Nateems Green Energy Pvt Ltd	Thimmapuram SS, Kadiridevarapalli(V), Kambadar (M), Ananthapuram	Ananthapur	9.90	24/3/2017
67	GSL Educational Society	Mallampdui(V) & Tokanda (V) , Rajamandry, East Godavari District	East Godavari	1.50	31/3/2017
68	Cyber Village Solutions (P) Ltd	Yeleswaram (V&M)	East Godavari	2.00	31/3/2017
69	Repal Rnewables Pvt Ltd	Thanakallu (V&M)	Ananthapur	5.10	31/3/2017
70	Nateems Solar power Pvt Ltd	Elakolanu (V), Rangampeta (M),	East Godavari	1.00	31/3/2017
71	B.G.Channappa, Class-I, K.P.W.D.	Gowriganipalli	Ananthapur	2.00	31/3/2017
72	Vyshaka Solar Energy System Pvt Ltd	Nuthanakaluva SS, MV Palli(V), KV Palli (M), Chittoor District	Chittoor	2.00	31.03.2017
73	Tirumala Tirupathi Devasthanams	Kasavaripalli	Chittoor	7.00	31.3.2017
74	Nateems Green Energy Pvt Ltd	Garividi	Vizianagaram	10.00	31.03.2017
75	M/s Aurobind Pharma Ltd	Pydibhimavaram	Srikakulam	30.00	21.05.2017
76	M/s SEI Arishi	Kadiri	Ananthapur	30.00	28.10.2017
77	M/s SEI Green Flash	Adurupalli	Nellore	30.00	27.10.2017
78	M/s Rain Coke Project	Kunuthur,Dharmavaram(M)	Kurnool	22.00	07.11.2017
79	M/s Sri Chakra Cements Pvt Ltd	Perindesam (V) KVB Puram (M)	Chittoor	3.00	09.03.2018
80	M/s Sri City Power Ltd.	Varadaya Palem	Chittoor	2.00	18.03.2012
81	M/s Sri Power Generation India Pvt Ltd.	Kotagallu, Kadiri(M)	Ananthapur	1.00	14.01.2012
82	M/s Sai Sudheer Energy Ltd.	T. Verapuram (V), Rayadurga(M)	Ananthapur	5.00	05.01.2012
83	M/s.Welspon Ltd	Pulivendula (V)	Kadapa	5.00	31.12.2011
84	M/s Amrit Jal Ventures Pvt. Ltd	Kotagullu, Kadiri(M)	Ananthapur	1.00	07.03.2012
85	M/s APIIC Limited.	Indusrial Park, Gooty	Ananthapur	1.00	15.03.2012
86	M/s Gajanan Financial Services Pvt. Ltd.	Laddagiri (V)	Kurnool	1.00	14.03.2012
87	M/s Kishore Electro Infra Pvt. Ltd.	Perecherla (V) Guntur Rural	Guntur	1.00	13.03.2012
88	M/s Rithwick Projects Pvt. Ltd,	Kotagullu, Kadiri(M)	Ananthapur	2.00	25-04-2012
89	M/s Sai Sudheer Energy Ltd.	Kalyandurg	Ananthapur	20.00	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
90	M/s Andhra Pradesh Industrial Infrastructure Corporation Ltd,	Gooty	Ananthapur	1.00	15.03.2012
91	M/s Rithwick Projects Pvt. Ltd,	Kotagullu, Kadiri(M)	Ananthapur	3.00	05/07/13
92	M/s MEIL Green Power	Nagalapuram	Ananthapur	50.00	04.11.2014
93	M/s New & Renewable Energy Development Corpn of AP Ltd (NREDCAP)	Gollavanitippa, Bhimavaram Rural (M)	West Godavari	1.00	30/03/2016
94	NTPC (NP Kunta Ultra Mega Solar park)	NP Kunta	Ananthapur	200.00	15.04.2016
95	NTPC (NP Kunta Ultra Mega Solar park)	NP Kunta	Ananthapur	50.00	29.7.2016
96	SSR Agro Energy	Kandriga, Chittoor District	Chittoor	1.00	15/3/17
97	NTPC (sunEdison Projects)	Kurnool ultra mega solar park	Kurnool	500.00	31/3/17
98	M/s Azure Power India Pvt Ltd (NTPC)	Kurnool ultra mega solar park,Ghani	Kurnool	50.00	20.04.2017
99	M/s Azure Power India Pvt Ltd (NTPC)	Kurnool ultra mega solar park,Ghani	Kurnool	50.00	26.05.2017
100	M/s Prayatna Developers Private Ltd	Kurnool Ultra Mega Solar Park	Kurnool	30.00	28.06.2017
101	M/s Prayatna Developers Private Ltd	Kurnool Ultra Mega Solar Park	Kurnool	20.00	15.07.2017
102	M/s SEI Sriram power Pvt ltd (M/s Emmvee Energy Pvt)	Manasamudram	Ananthapuramu	4.00	17.09.2015
103	M/s SEI Sriram power Pvt ltd (M/s Emmvee Energy Pvt)	Ananthapuramu	Ananthapuramu	10.00	01.09.2014
104	M/s SEI Sriram power Pvt ltd (M/s Emmvee Energy Pvt)	Manasamudram	Ananthapuramu	5.40	08.04.2016
105	M./s. Bhashyam renewable energy Pvt.ltd (M/s. Savitha renewable energy pvt. Ltd.	Piduguralla	Guntur	1.00	19.01.2015
106	M/s. Southrenn rocks and minerala Pvt.ltd.	Pelluru (V), Ongole.	Prakasam Dist	1.03	30.04.2014
107	Repal Rnewables Pvt Ltd (Vijayanagaram)	Tokada(V), Rajanagaram(M),	East Godavari	6.00	31.03.2017
108	M/s. Amplus Andhra power pvt. Ltd	Eedupugallu (V), Kankipadu (M)	Krishna	2.00	30.12.2017
109	M/s. Odysseus logos LLP	Gandlaparty(V), Rathadu (M), Ananthapuramu	Ananthapuramu	2.00	30.12.2018
110	M/s. Sri Subramanya Solar power projects LLP	Perindesam(V), KVB Puram(M),	Chittoor Dist	2.00	11.08.2018
111	M/s. Sri power gen power (Cherivi)	Tirupathi	Chittoor	2.00	18.03.2011
112	M/s.AP industrial infra corp.ltd	Industrial park Gooty,	Ananthapur	1.00	15.03.2012
113	M/s. Waneep solar pvt. ltd	Nagiri	Chittoor	25.00	2.08.2018
114	M/s.Bharathi Solar Power Ltd	Guntur	Guntur	1.00	13.12.2014
115	M/s NSS Solar Power	Hindupur	Ananthapur	1.00	23.09.2014
116	M/s Repal Renewables Pvt Ltd,(Komatikuntla)	Komatikuntla	Ananthapur	10.00	17.11.2017
117	M/s Solar Power Gen - II Sri Power(JNNSM)	Kotagullu Village	Ananthapur	1.00	14.1.2012
118	M/S New Era Venture Pvt. Ltd,Hyderabad	Rayachoti, Kadapa	Kadapa	10.00	24.01.2014
119	NTPC (Gani, kurnool Solar Park.)(SB Energy)	Kurnool	Kurnool	350.00	08.01.2016
120	SECI(solar park at Galivedu)	Kadapa	Kadapa	400.00	27.10.2016
121	SB Solar Services Pvt. Ltd	Midhur	Kurnool	3.00	29.06.2018
Solar (Total) in MW				2625.13	
Mini Power Plants					
1	Sri Vatsa Power Projects Ltd.,	Sivakodu (V), Razol (M)	East Godavari	17.20	01.05.2002
Mini Power Plants (Total) in MW				17.20	
State Installed Capacity Grand Total in MW				19057.721	

6.5 STATION WISE GENERATION - THERMAL (2014-15 TO 2018-19)

MU

S.No.	Year	VTPS	RTPP	Krishna patnam	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
4	2017-18	9849.51	6218.82	4493.64	20561.97
5	2018-19	9904.60	5965.89	6490.34	22360.83

**6.5(A) GAS BASED STATION (VIJESWARAM) GENERATION (MU)
(JOINT SECTOR) 2014-15 TO 2018-19**

S.No	Year	VJSM Stage - I	VJSM Stage - II Commissioned on 31-03-1997	TOTAL in MU
1	2014-15 (Apr to May)	0.20	172.40	172.60
	2014-15 (Jun to Mar)	4.99	451.71	456.70
2	2015-16	0.63	681.46	682.09
3	2016-17	230.06	443.76	673.82
4	2017-18	546.76	618.28	1165.04
5	2018-19	292.68	798.72	1091.40

(*) Generation data as per SLDC

**6.6 STATION WISE GENERATION - HYDEL (MU)
(2015-16 to 2018-19)**

Sl. No	Year	Machkund	T.B.Dam & Hampi	Upper Sileru	Lower Sileru	Nagarjun a sagar RCPH	Nagarjun a sagar Tail pond HES	Srisailam (RBHS)	Donkarayi	Penna Ahobila m	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
3	2017-18	250.56	74.90	482.28	1108.39	57.06	42.22	574.20	119.62	4.31	2.28	2715.82
4	2018-19	289.92	96.66	473.87	1090.74	100.14	0.12	549.27	76.14	1.41	2.18	2680.45

*As per data received from APGENCO

6.7 GENERATION DATA (Ex-bus) PARTICULARS										
(MW)										
	APGENCO			Others						
Year	Hydel	Thermal	Total	VGTS	CGS	SOLAR	WIND	IPPS	OTHERS	TOTAL
2016-17	2312.58	24728.76	27041.34	673.82	14600.51	1543.44	3184.78	4114.21	4081.85	55239.95
2017-18	2680.87	20561.95	23242.82	1165.04	10535.46	3699.25	6370.35	2228.30	11576.33	58817.55
2018-19	2680.45	22360.83	25041.28	1091.40	8018.12	4460.49	8900.29	3531.33	12100.65	63143.56

* generation data from sldc

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	38.00	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	2017-18	2018-19
1.	Units Generated	MU	10228.07	10283.63	10164.27	9851.05	9754.94	9953.95	9765.44	10340.94	10727.18	12408.14	14159.09	13410.51	12833.42	12704.85	12066.23	11654.38	10821.93	10887.55
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	977.12	815.57
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	9.03	7.49
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	7213.53	7727.12
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	1344.85	984.63
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	82.35	88.21
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	70.19	70.62
10.	KWH / KW		8118	8162	8067	7818	7742	7900	7750	8207	7704	7050	8045	7620	7292	7219	6856	6622	6149	6186

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6.10 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	2017-18	2018-19
1.	Units generated	MU	3401.58	3353.78	2370.99	3293.7	4416.59	6741.61	6376.56	6255.32	8075.76	7692.6	7056.69	7163.53	7292.70	6712.60	6926.44	6637.32
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	695.46	687.52
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	10.23	10.36
4.	Service hours	Hrs	8179.51	8142.17	6137.55	8058.6	7827.61	8351.2	7862.45	7805.5	8288.3	7954.75	7633.72	7960.65	8270.37	7680.38	7691.43	6570.76
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	949.22	2729.34
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	87.80	60.93
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	73.94	45.92
10.	KWH / KW		8099	7985	5645	7842	7010	8026	7591	8178	7691	7326	6721	6822	6945	6393	4198	4023

Note :RTPP Unit 6 (600MW)declared COD from 00:00hrs on 29.03.2018

**6.12 PERFORMANCE OF THERMAL UNITS SINCE COMMISSIONING
(1965-66 TO 2018-19)**

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

Contd ..

6.12 PERFORMANCE OF THERMAL UNITS SINCE COMMISSIONING

		1992 - 93		1993 - 94		1994 - 95		1995 - 96	
Station	Capacity (MW)	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-IX(Stab.)	250	-	-	-	-	-	-	-	-
Comml. from 1.10.97		-	-	-	-	-	-	-	-
Unit-X	250	-	-	-	-	-	-	-	-
TOTAL	500	-	-	-	-	-	-	-	-
RTPP-U-I	210	-	-	-	-	-	-	348.14	-
RTPP-U-II	210	-	-	-	-	-	-	979.37	70.85
STATION	420	-	-	-	-	-	-		
RTS-B	62.5	220.60	40.29	360.62	65.87	353.62	64.59	374.38	68.19
NTS	30	102.66	39.07	109.99	41.85	91.11	34.67	129.34	49.08
TOTAL } 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	Capacity MW	2015-16		2016-17		2017-18		2018-19	
		Gen MU	PLF %	Gen MU	PLF %	Gen MU	PLF %	Gen MU	PLF %
NTTPS									
Unit-I	210	1446.67	78.43	1383.28	75.19	937.53	50.96	991.84	53.92
Unit-II	210	1464.57	79.40	1150.39	62.53	1021.67	55.54	1294.94	70.39
Unit-III	210	1562.19	84.69	1487.51	80.86	1511.74	82.18	1311.84	71.31
Unit-IV	210	1616.36	87.62	1239.01	67.35	1497.37	81.40	1373.98	74.69
Unit-V	210	1465.27	79.43	1416.36	76.99	1496.69	81.36	1408.74	76.58
Unit-VI	210	1503.64	81.51	1436.57	78.09	1335.62	72.60	1378.02	74.91
Unit-VII	500	3007.53	68.48	3541.26	80.85	3021.31	68.98	3128.19	71.42
STATION	1760	12066.23	78.05	11654.38	75.59	10821.93	70.19	10887.55	70.62

6.12 PERFORMANCE OF THERMAL UNITS SINCE COMMISSIONING

Station	Capacity MW	2015-16		2016-17		2017-18		2018-19	
		Gen MU	PLF %	Gen MU	PLF %	Gen MU	PLF %	Gen MU	PLF %
RTPP									
RTPP-Unit-I	210	1489.08	80.72	1278.34	69.49	1389.14	75.51	1166.7	63.42
RTPP-Unit-II	210	1421.43	77.06	1421.64	77.28	1378.92	74.96	1197.33	65.09
RTPP-Unit-III	210	1471.56	79.78	1365.21	74.21	1400.45	76.13	884.28	48.07
RTPP-Unit-IV	210	1483.34	80.41	1263.48	68.68	1448.9	78.76	1264.97	68.76
RTPP-Unit-V	210	1427.29	77.37	1383.93	75.23	1183.98	64.36	1034.68	56.24
RTPP-Unit-VI	600	---	---	---	---	125.05	---	1089.36	20.73
STATION	1650	7292.70	79.07	6712.60	72.98	6926.44	73.94	6637.32	45.92
TOTAL THERMAL	3410	19358.93	78.43	18366.98	74.62	17748.37	71.5	17524.87	58.67

* RTPP 6 was declared COD from 00:00hrs on 29.03.2018

6.13 THERMAL POWER STATION-FUEL PARTICULARS

Year	Station	Generation	Coal	Coal	Coal	Oil	Consumption\KWH		C.V. of	Heat rate
		(MU)	Linkage (Million Tonnes)	received (Million Tonnes)	Consumption (Million Tonnes)	Consumption (KL)	Coal(KG)	Oil (ml)	Coal (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.,)

6.14 HYDEL RESERVOIR PARTICULARS FY-2018-19

S.No.	Name of the Reservoir	F.R.L.	MDDL	F.R.L.	Live Storage at F.R.L in	Storage equivalent in MU
		Level in		Storage		
		Ft.	Ft	TMC Ft.	T.M.C. ft.	
1.	Jalaput	2750	2685	34.27	31.52	531
2.	Balimela	1516	1440	127.6	99.44	895
3.	Guntawada	1360	1333.5	4.3	3.62	65
4.	Donkarayi	1037	955	16.52	12.87	153
5.	Srisaïlam	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 TMC ft	During July -June		
	Ft.as on1st July		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		

6.15 YEAR-WISE STORAGE AND INFLOWS						
Year	Initial level in	Gross Storage in TMC ft	During July -June			
	Ft.as on1st July		Inflows	TMC ft	Drawal	
2005-06*	2719.00	12.85	54.74		48.14	
2006-07*	2731.10	19.52	68.13		52.79	
2007-08*	2726.00	16.45	63.52		30.22	
2008-09*	2744.50	26.78	34.57		38.79	
2009-10*	2724.10	12.65	32.27		41.33	
2010-11*	2705.10	4.72	53.05		37.25	
2011-12	2742.70	25.23	24.33		32.21	
2012-13	2732.05	17.47	46.95		44.77	
2013-14	2731.35	16.99	49.51		39.67	
2014-15	2736.55	20.55	36.13		44.80	
DATA OF BALIMELA RESERVOIR				AP	ORISSA	
1981-82	1441.80	34.30	63.60		51.60	58.80
1982-83	1431.80	27.60	83.00		57.90	58.40
1983-84	1436.10	30.70	106.30		65.10	81.60
1984-85	1434.80	29.50	64.20		56.80	60.60
1985-86	1433.30	28.60	57.20		41.50	48.70
1986-87	1433.70	28.80	77.10		60.30	62.70
1987-88	1432.00	27.80	43.20		32.30	32.40
1988-89	1433.80	28.90	59.60		48.50	47.80
1989-90	1437.20	31.11	86.83		57.40	57.40
1990-91	1447.60	38.83	188.24		77.30	80.60
1991-92	1468.70	52.92	80.58		76.20	80.90
1992-93	1435.3	29.83	93.29		75.30	77.40
1993-94	1432.4	28.00	49.03		40.90	43.80
1994-95	1432.40	28.00	165.26		74.54	77.56
1995-96	1469.80	59.06	75.46		80.71	80.71
1996-97	1447.70	38.91	71.41		61.37	63.90
1997-98	1442.80	35.10	51.98		44.74	44.11
1998-99	1442.80	35.10	66.00		48.01	47.96
1999-00	1460.20	49.56	98.76		61.56	68.43
2000-01*	1460.20	49.56	66.66		63.72	57.97
2001-02	1440.70	33.53	76.78		64.30	61.57
2002-03*	1439.80	32.87	34.28		36.74	31.81
2003-04	1441.00	33.75	121.30			
2004-05	1473.80	63.43	94.16		79.52	86.22
2005-06	1456.00	46.05	86.21		65.79	59.35
2006-07	1463.50	52.73	151.67		85.15	89.30
2007-08	1483.20	74.91	108.96		76.52	101.64
2008-09	1474.70	31.42	72.35		92.52	53.01
2009-10	1448.20	6.31	58.46		33.23	45.68
2010-11	1466.40	22.56	126.35		56.23	72.51
2011-12	1486.20	45.96	54.39		62.80	59.77
2012-13	1448.80	6.79	92.73		55.45	30.12
2013-14	1495.50	58.98	117.10		66.07	90.75
2014-15	1498.90	63.91	109.66		81.83	69.55

* Inflows and drawal are during financial year (Apr-Mar) w.e.f the year 2000-01

6.15 YEAR-WISE STORAGE AND INFLOWS					
Year	As on 1st April		During April to March		
	Intial level in feet	Net Storage in	Inflows TMC ft	Drawal TMC ft	
DATA OF SRISAILAM RESERVOIR					
2014-15	850.80	52.78	640.69	495.60	
2015-16	805.20	2.66	53.79	66.76	
2016-17	802.90	1.46	341.13	105.76(RBPH).	
2017-18	806.30	3.245	384.85	96.94(RBPH)	
2018-19	805.50	2.816	501.93	96.11(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	
2017-18	2723.10	12.12	39.97	35.73	
2018-19	2735.90	20.10	53.88	38.98	
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
2017-18	1486.00	45.68	85.57	75.07	83.29
2018-19	1456.50	13.23	135.40	105.64	92.64

6.16 (A). GENERATION SCHEMES CLEARED AND READY FOR EXECUTION AS ON 31-03-2019

S.No.	Name of the Scheme	Location (District)	Capacity No. x MW	Remarks
Solar				
1	750 MW NTPC Solar Park	Ananthapur	750 MW	Programmed to commission during 2020-21 (250 MW Already Synchronized on 20.12.2019)
2	750 MW SECI Solar park	Kadapa	750 MW	Programmed to commission during 2020-21
3	Polavaram Hydro electric	West Godavari	(12X80 MW)=960 MW	Programmed to commission during 2020-21 (It is a national project after construction of the dam, tenders for power house are to be finalised.
4	Krishnapatam Stage -II	Nellore	1X800 MW	Programmed to commission during 2021
5	NTPP - Stage V	Krishna Dt	1X800 MW	Programmed to commission during 2021

6.17 POWER PROJECTS UNDER CONSTRUCTION OF AP GENCO - PROGRESS AS ON 31-03-2019

S.No	Name of the Project	Location	Capacity Addition	Estimated Cost (Rs. Crs.)	Remarks
State Sector (Thermal)					
1	Dr NTTPS Stage-V	Vijayawada (Krishna)	1 x 800 MW	5525	* Zero date was commenced on Dt:15.12.2015 * works are under Progress
2	Sri Damodaram Sanjeevaiah TPS Stage II	Krishnapatnam (Nellore)	1 x 800 MW	6034	* Zero date was commenced on Dt:15.12.2015 *works are under Progress
State Sector (Hydro)					
1	Polavaram HEP	Polavaram	12 x 80 MW	5338.95	* Zero date was commenced on Dt:06.01.2018 * works are under Progress
POWER PROJECTS UNDER DEVELOPMENT					
S.No	Name of the Project	Unit	Capacity Addition	Estimated Cost (in Crs.)	Remarks
1	Wind Farm at Ramagiri	U1	1x10MW	50	Programmed to commission during 2020-21

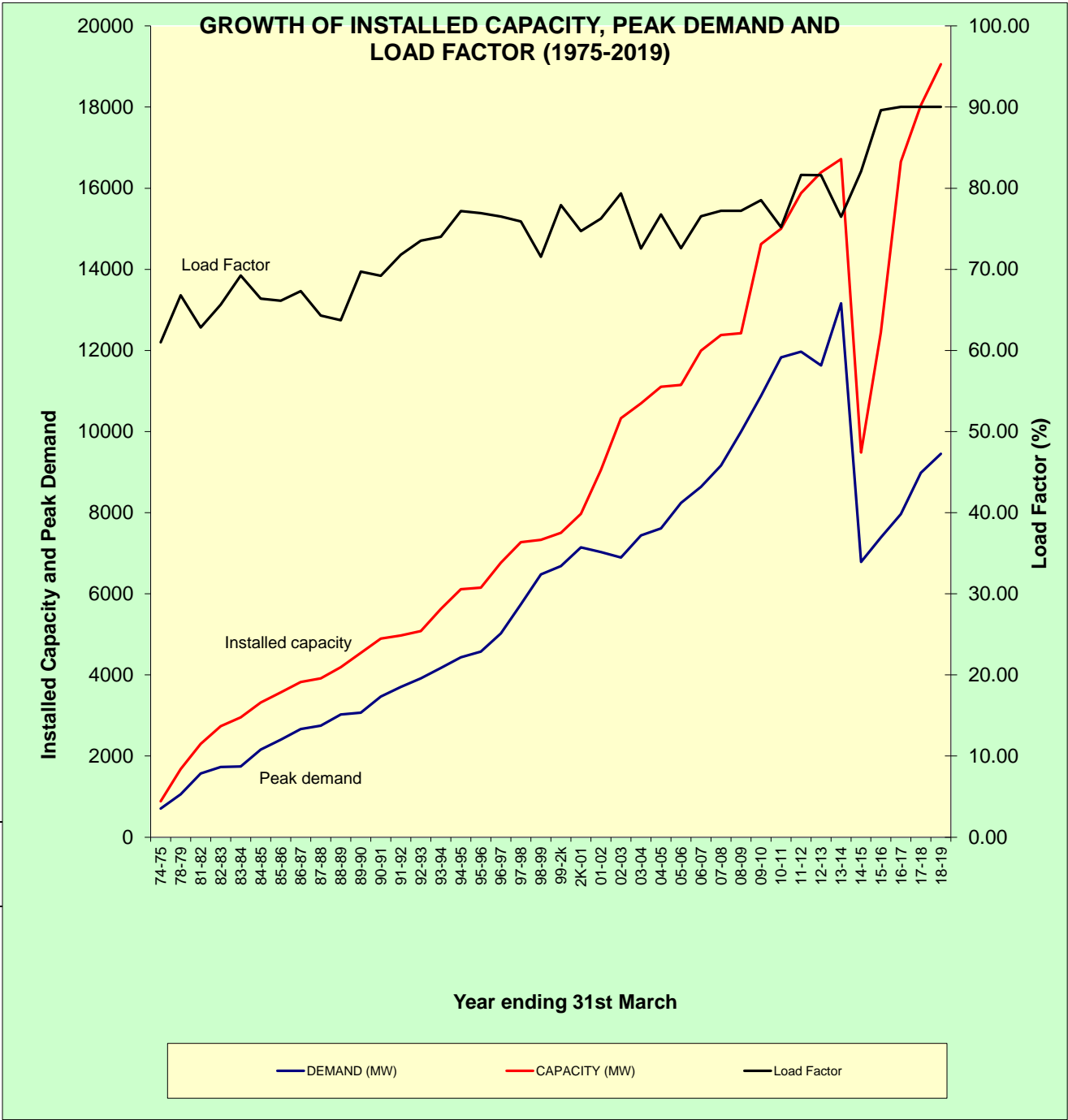
6.18 Generation Schemes under Investigation by AP Genco as on 31-3-2019

State Sector : AP GENCO			
S.No	Name of the Project	Capacity Addition	Remarks
1	Ramagiri Wind Mills	10 MW	Programmed to Commission during 2020-21

**6.19 Estimated potential & Harnessesed in Renewable Energy Sources
(As on 31.3.2019)**

SNO	Energy Source	Potential (MW)	Capacity Harnessesed up to Mar-18 (MW)	Capacity addition During 2018-19 (MW)	Capacity Harnessesed up to Mar-19 (MW)
1	Wind	44229.00	3994.27	83.30	4077.57
2	Biomass projects including co-generation power projects	500.00	235.40	0.00	235.40
3	Bagasse based Co-generation	300.00	203.95	0.00	203.95
4	Municipal Solid Waste	100.00	6.15	0.00	6.15
5	Industrial Waste	100.00	34.01	0.00	34.01
6	Small Hydro	500.00	102.60	0.00	102.598
7	Solar	38440	2187.66	842.90	3030.56
	Total	84169.00	6764.03	926.20	7690.23

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
17-18	18045	8983	90.03
18-19	19058	9453	90.04



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	COMMISSIONING/ COMPLETION
176	1.BADWEL	132/33	1 x 31.5+2x16	63.5	10-07-1993
177	2.PULIVENDULA	132/33	2 x 31.5	63	29-12-1986
178	3.PRODDUTUR	132/33	2 x 31.5	63	17-09-1989
179	4.RAYACHOTI	132/33	1x 31.5+1x50	81.50	31-03-1992
180	5.VONTIMMITTA	132/33	1x31.5	31.50	05-07-2000
181	6.BALAPANUR	132/33	2x31.5	63.00	26-10-2000
182	7.THIMMAYAGARIPALLI	132/33	3 x 16	48.00	12-04-2001
183	8. JAMMALAMADUGU	132/33	2x31.5	63.00	28-03-2005
184	9. VEMPALLI	132/33	2x31.5+1x16	79.00	31-03-2005
185	10.PORUMAMILLA	132/33	2x31.5	63.00	22-10-2005
186	11.KONDAPURAM	132/33	1x31.5+1x16	47.50	30-03-2008
187	12.MOOLAVANKA	132/33	2 x 31.5+1 x 16	79	20-02-2009
188	13.SAMBEPALLE	132/33	3X16	48.00	04-06-2011
189	14.RTSS KADAPA		SWT.STN		12-11-2010
190	15.GANDIKOTA (GKLIS)	132/11	2x25	50.00	24-11-2011
191	15.LINGALA	132/33	3x16	48.00	30-01-2012
192	17.DUVVUR	132/33	1 x 31.5+1 x 16	47.50	26-08-2015
193	18.KALASAPADU	132/33	2 x 31.5	63.00	13-03-2019
194	19.BRAHMAM GARI MATAM	132/33	2x31.5	63.00	29-09-2018
	KURNOOL				
195	1.KURNOOL	132/33	2 x 31.5	47.50	18-04-1970
196	2.CEMENT NAGAR	132/33	1 x 31.5+1 x 16	47.5	22-05-1981
197	3.ALLAGADDA	132/33	2x50	100	29-12-1994
198	4.ADONI	132/33	3 x 31.5	94.5	21-11-1978
199	5.DHONE	132/33	2 x 31.5	63.00	24-06-1993
200	6.ATMAKUR	132/33	1 x 31.5+1x16	47.5	13-03-1994
201	7.YEMMIGANUR	132/33	1x50+1x31.5	81.5	24-05-1996
202	8.PATHIKONDA	132/33	2 x 31.5	63	30-12-1998
203	9. GUDUR	132/33	2 x 31.5	63	22-03-2004
204	10.AKKIREDDYPALLI	132/33	2x16	32	29-11-2005
205	11.BANAGANAPALLI	132/33	3 x 16	48.00	31-03-2006
206	12.NANDIKOTKUR	132/33	2 x 31.5	63.00	26-12-2008
207	13.SRISAILAM	132/33	2X16	32.00	30-10-2009
208	14.RACHARLA	132/33	2 x 31.5	63	31-03-2010
209	15.MUDIGEDU	132/33	2 x 31.5	63	29-03-2014
210	16.ALURU	132/33	1 x 31.5+1 x 16	47.5	25-01-2016
211	17.MANTRALAYAM	132/33	1 x 31.5+1 x 16	47.5	07-08-2017
212	18.RUDRAVARAM	132/33	1x16	16	30-11-2018
				13599.00	

*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 2018-2019

S.No	Name of the Sub-station	District	Capacity	Capacity Commissioned	Date of charging
A)	400 kV Sub - Stations				
1	400/220KV SS KALIKIRI	Chittoor	1 x 315	315.00	1st PTR Charged on 31.03.2018 & 2nd PTR Charged on 18.06.2018
2	400/220KV SS PODILI	Prakasam	1 x 315	315.00	1st 315MVA charged on 28-10-2018
3	400/220KV SS HINDUPUR	Ananthapur	1 x 315	315.00	1st 315MVA charged on 10-10-2018
4	400/220 KV SS TALARICHERUVU	Ananthapur	1X315	315.00	1st 315MVA Charged on 17-12-2018, 2nd PTR commissioned on 25-02-2019.
			Total	1260.00	
B)	220 kV Sub - Stations				
1	220/132/33KV SS at CHAKRAYAPETA	Kadapa	1x100	100.00	19-05-2018
2	220/132/33KV SS at DUVVA	West Godavari	1x100	100.00	27-05-2018
			1x16	16.00	27-05-2018
3	220/132/33 KV SS at RACHARLAPADU	Nellore	1 x 100	100.00	06-06-2018
4	220/132 KV SS at KANDUKURU	Prakasam	1 x 100	100.00	30-06-2018
5	220/132 KV SS at NUZIVIDU	Krishna	2 x 100	200.00	20-09-2018
6	220/132KV SS at ATMAKUR	Nellore	2 x 100	200.00	22-02-2019
			Total	816.00	
C)	132/33kV Sub-stations				
1	132/33KV SS at (Uppalapadu) VELDURTHI	Guntur	1 x 10/16	16.00	23-07-2018
2	132 KV SS AMARAPURAM	Ananthapur	1x16	16.00	22-09-2018
3	132 /11 KV UNDAVALLI (LIS SS)	Guntur	2x31.5	63.00	09-09-2018
4	132/33KV SS RUDRAVARAM	Kurnool	1 x 10/16	16.00	30-11-2018
5	132/33 KV SS KALASAPADU	Kadapa	2 x 31.5	63.00	13-03-2019
6	132/33 KV SS BRAHMAMGARI MATTAM	Kadapa	2 x 31.5	63.00	29-09-2019
			Total	237.00	

7.2 33/11 KV SUB-STATIONS COMMISSIONED DURING THE YEAR 2018-19

Sl.No	Discom/ District	Name of the 33/11 KV Sub-Station	Funding Agency	Power Transformer Capacity (in MVA)	Date of Commissioned
EPDCL					
1	SRIKAKULAM	ZILLA PARISATH	IPDS	1x5	03-04-2018
2	SRIKAKULAM	KUYYAM	DDUGJY	1x5	03-03-2018
3	VIJAYANAGARM	ALMANDA	DDUGJY	1x5	29-08-2018
4	VISAKHAPATNAM	GIS INDOOR	IPDS	2x8	27-06-2018
5	VISAKHAPATNAM	GANNAVARAM	DDUGJY	1x5	02-08-2018
6	VISAKHAPATNAM	KGH	IPDS	1x8	26-11-2018
7	VISAKHAPATNAM	PENDURTHI	IPDS	1x5	11-02-2019
8	EAST GODAVARI	P DONTAMURU	DDUGJY	1x5	30-05-2018
9	EAST GODAVARI	VENTURE	DDUGJY	1x5	23-07-2018
10	EAST GODAVARI	MCR	IPDS	1x5	24-07-2018
11	EAST GODAVARI	KUYYERU	DDUGJY	1x5	26-07-2018
12	EAST GODAVARI	THANDAVA	IPDS	1x5	09-08-2018
13	EAST GODAVARI	TANTIKONDA	DDUGJY	1x5	03-12-2018
14	EAST GODAVARI	NAYAKAMPALLI	DDUGJY	1x5	13-02-2019
15	WEST GODAVARI	GANDHINAGAR	IPDS	1x5	27-06-2018
16	WEST GODAVARI	SANTHINAGAR	IPDS	2x5	09-08-2018
17	WEST GODAVARI	PATTAIGUEDEM	IPDS	2x5	28-08-2018
18	WEST GODAVARI	KOMMARA	DDUGJY	1x5	19-02-2019
19	WEST GODAVARI	JR GUEDEM	IPDS	1x5	23-02-2019
SPDCL					
1	KRISHNA	NRR PETA/A.S.NAGAR	IPDS	2x8	22-06-2018
2	KRISHNA	PULAPARRU	DDUGJY	1x5	09-11-2018
3	KRISHNA	VEDADRI	DDUGJY	1x5	09-01-2019
4	KRISHNA	PADAPALARARRU	DDUGJY	1x5	12-02-2019
5	KRISHNA	VADAPALEM	DDUGJY	1x5	13-02-2019
6	KRISHNA	VENTRAPRAGADA	DDUGJY	1x5	01-03-2019
7	KRISHNA	CHANDRALA	DDUGJY	1x5	09-03-2019
8	PRAKASHAM	KANDUKUR	IPDS	1x5	30-04-2018
9	PRAKASHAM	CHOWTAPALLI	REC	1x5	18-05-2018
10	PRAKASHAM	PUTTAVARIPALEM	REC	1x5	14-06-2018
11	PRAKASHAM	MARKAPUR TOWN	IPDS	2x8	18-06-2018
12	PRAKASHAM	GADDALAGUNTA	IPDS	2x8	19-06-2018
13	PRAKASHAM	PODALAKUNTAPALLI	DDUGJY	1x5	23-01-2019
14	PRAKASHAM	SANKAVARAPADDU	DDUGJY	1x5	24-01-2019
15	PRAKASHAM	VELAMAVARIPALEM	DDUGJY	1x5	01-02-2019
16	PRAKASHAM	DARSI	DDUGJY	1x5	25-02-2019
17	PRAKASHAM	KOMMINENIVARIPALEM	DDUGJY	1x5	26-02-2019
18	PRAKASHAM	CHINNA CUMBUM	DDUGJY	1x5	08-03-2019

Sl.No	Discom/ District	Name of the 33/11 KV Sub-Station	Funding Agency	Power Transformer Capacity (in MVA)	Date of Commissioned
1	CHITTOOR	ELAMANDYAM	DDUGJY	1x5	20-04-2018
2	CHITTOOR	MSR CIRCLE INDOOR SS	IPDS	1x8	21-05-2018
3	CHITTOOR	BADIKAYALA PALLI	T&D	1x5	27-09-2018
4	CHITTOOR	DEVULA CHERUVU	T&D	1x5	27-09-2018
5	CHITTOOR	DASIMANIPALLE	DDUGJY	1x5	27-12-2018
6	CHITTOOR	GANDHI NAGAR	DDUGJY	1x5	28-12-2018
7	CHITTOOR	GUNDLANAYANA PALLE (KUPPAM)	DDUGJY	1x5	18-02-2019
8	CHITTOOR	KADAPANADIAM	DDUGJY	1x5	21-02-2019
9	CHITTOOR	PENUGOLAKALA	DDUGJY	1x5	21-02-2019
10	CHITTOOR	PAMUGANIVARIPALLI	DDUGJY	1x5	09-03-2019
11	KADAPA	R&B GUEST HOUSE	IPDS	2x8	07-07-2018
12	KADAPA	MARKET YARD, PRODDATUR	IPDS	2x8	07-07-2018
13	ANANTHAPUR	INDOOR SUB-STATION, AT GOVT.HOSPITAL ATP	REC	1x5	27-04-2018
14	ANANTHAPUR	OUTDOOR SUB-STATION, AT JUTOOR(V), P.PAPPUR(M)	DDUGJY	1x5	01-02-2019

Cummulative No.of 33/11KV Sub-stations commissioned during 2018-19 upto 31-03-2019 : 51Nos.

7.3 (A) 132 kV, 30 MVAR CAPACITOR BANKS / COMMISSIONED DURING 2018-2019

Sl.No.	Name of the Substation(District)	Capacity in MVAR	Make	Date of Commissioning
	NIL			

7.3 (B) 33 kV CAPACITOR BANKS COMMISSIONED DURING 2018-19

Sl.No.	Name of the Substation(District)	Capacity in MVAR	Make	Date of Commissioning
VISAKHAPATNAM ZONE				
1	220KV Garividi SS	7.2	SHREEM	19-11-2018
2	220KV Gangavaram SS	7.2	SHREEM	4-7-2018
3	132KV Rajanagaram SS	7.2	SHREEM	27-08-2018
	Total	21.6		
VIJAYAWADA ZONE				
1	132KV SS Kandukur 1*31.5MVA (132/33KV) 1*50MVA (132/33KV)	7.2	SHREEM	22-6-2018
2	132KV SS Chirala 2*31.5MVA(132/33KV) 1*10/16MVA(132/33KV)	7.2	SHREEM	25-6-2018
3	220KVSS Sullurpeta	7.2	ABB	12-6-2018
4	132KV SS Darsi 2*31.5MVA(132/33KV)	7.2	SHREEM	22-2-2019
	Total	28.8		
KADAPA ZONE				
1	220 KV SS, Kadapa	7.2	SHREEM	25-07-2018
2	220 KV SS, Kadapa	7.2	SHREEM	31-01-2019
3	220 KV SS, Mydukur	7.2	SHREEM	26-10-2018
4	220 KV SS, Mydukur	7.2	SHREEM	24-09-2018
5	220 KV SS, Kodur	7.2	SHREEM	26-11-2018
6	132 KV SS,Proddatur	7.2	SHREEM	31-07-2018
7	132 KV SS, Pulivendula	7.2	SHREEM	13-06-2018
8	132 KV SS, Kurnool	7.2	SHREEM	21-07-2018
9	220 KV SS, Nandyal	7.2	SHREEM	19-07-2018
10	132 KV SS, Cement Nagar	7.2	SHREEM	21-07-2018
	Total	72		

Grand Total 122.4

**7.3 -(C) 33kV SHUNT CAPACITOR BANKS COMMISSIONED
YEAR WISE 1984-1985 to 2018-2019**

Sl.No	Year	Capacitor Banks Commissioned Nos	Capacity MVAR
1	1984-1985	28	160
2	1985-1986	2	10
3	1986-1987	12	60
4	1987-1988	10	50
5	1988-1989	2	10
6	1989-1990	24	120
7	1990-1991	46	230
8	1991-1992	22	125
9	1992-1993	37	215
10	1993-1994	58	315
11	1994-1995	14	75
12	1995-1996	16	130
13	1996-1997	21	145
14	1997-1998	43	245
15	1998-1999	73	420
16	1999-2K	26	140
17	2000-2001	28	145
18	2001-2002	6	30
19	2002-2003	11	55
20	2003-2004	2	10
21	2004-2005	7	35
22	2005-2006	2	10
23	2006-2007	32	160
24	2007-2008	3	15
25	2008-2009	1	5
26	2009-2010	0	0
27	2010-2011	0	0
28	2011-2012	6	30
29	2012-2013	5	31.6
30	2013-2014	0	0
31	2014-2015*	0	0
32	2015-2016	3	21.6
33	2016-2017	19	144
34	2017-2018	6	64.8
35	2018-2019	17	122.4
* Residual AP			

7.4 AUGMENTATION OF TRANSFORMER CAPACITY DURING 2018-2019						
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	400/220KV Sattenapalli	Guntur	2 x 315	3 x 315	315.00	28/05/2018
AUGMENTATION OF TRANSFORMER CAPACITY AT 220 KV SUB-STATIONS						
1	220 KV SS PARCHURU	Prakasam	3 x 100	2x100+1x160	60.00	22-04-2018
2	220 KV SS TEKKALI	Srikakulam	2 x 100	3 x 100	100.00	16-05-2018
3	220KV SS Brandix	Vishakapatnam	2x100	3x100	100.00	07-07-2018
TOTAL					260.0	
220/132/33kV features at 220 kV Sub-stations						
1	220 KV SS UNDI	West Godavari	3 x 31.5	1 x50+2x31.5	18.50	04-09-2018
			1 x50+2x31.5	1 x50+3x31.5	31.50	03-07-2019
2	220 KV SS NUNNA	Krishna	1x50+1x31.5	1x50+2x31.5	31.50	13-04-2018
3	220 KV SS NAGARI	Chittoor	1x31.5+1x10/16	2x31.5	15.50	17-04-2018
4	220 KVSS PARAWADA	Vishakapatnam	2x50+1x31.5	3x50	18.50	25-05-2018
5	220 KV SS ONGOLE	Prakasam	1x50+1x31.5	2x50	18.50	15-08-2018
TOTAL 3					134.0	
AUGMENTATION OF TRANSFORMER CAPACITY AT 132 KV SUB-STATIONS						
1	132 KV SS KAMBHAM	Krishna	2 x 31.5	1 x 31.5+1 x 50	18.50	18-04-2018
2	132KV SS RANGANNAGUDEM	Krishna	1x31.5+1x10/16	2X31.5	15.50	20-05-2018
3	132 KV SS ALIPIRI	Chittoor	1X31.5+1X10/16	1X50+1X31.5	34.00	26-05-2018
4	132KV SS AMALAPURAM	East Godavari	1x50+1x31.5	1x50+2x31.5	31.50	06-01-2018
5	132KV SS MACHILIPATNAM	Krishna	2x31.5	1x50+1x31.5	18.50	06-06-2018
6	132 KV SS CHAKRAYAPALEM	Guntur	2 x 10/16	1 x 10/16 + 1x31.5	15.50	15-06-2018
7	132 KV SS MACHARLA	Guntur	2 x 50	2 x 50 +1x31.5	31.50	15-06-2018
8	132KV SS PENUGONDA	West Godavari	2 x 10/16	1 x 10/16 + 1x31.5	15.50	19-06-2018
9	132KV SS CHIGURUKOTA	Krishna	1X10/16+1X31.5	1X50+1X31.5	34.00	23-07-2018
10	132 KV SS KANUMOLU	Krishna	2x31.5	1x50+1x31.5	18.50	25-07-2018
11	132 KV SS SIMHACHALAM	Vishakapatnam	3X10/16+1X15+1X31.5	2X10/16+1X15+2X31.5	15.50	31-07-2018
12	132KV SS NARASANNA PETA	Srikakulam	1X31.5	2X31.5	31.50	16-08-2018
13	132 KV SS AUTO NAGAR	Krishna	1x50+1x31.5	2X50	18.50	21-08-2018
14	132 KV SS PALAMANERU	Chittoor	1x50+1x31.5	2X50	18.50	25-08-2018
15	132KV SS DARSI	Prakasam	1x31.5+1x10/16	2x31.5	15.50	09-01-2018
16	132 KV SS RENTAPALLA	Guntur	1x10/16+1x31.5	2x31.5	15.50	18-11-2018
17	132KV SS CEMENT NAGAR	Kurnool	2x10/16	1X10/16+1X31.5	15.50	19-11-2018
18	132 KV SS AVANIGADDA	Krishna	1x31.5+1x10/16	2x31.5	15.50	12-04-2018
19	132KV SS MALKAPURAM	Vishakapatnam	1x15+1x10/16	1X31.5+1x10/16	16.50	12-07-2018
20	132 KV SS YERNAGUDEM	West Godavari	1x31.5+1x10/16	2x31.5	15.50	31-12-2018

7.4 AUGMENTATION OF TRANSFORMER CAPACITY DURING 2018-2019						
Sl. No.	Name of the Sub-station	District	Existing (MVA)	Augmented (MVA)	Net increase Trans-former capacity (MVA)	Date of charging
21	132KV SS GUNTUR(Budampadu)	Guntur	3 x50	1x80+2x50	30.00	01-08-2019
22	132KV RAMACHANDRAPURAM	East Godavari	3 x 31.5	1 x 50+2 x 31.5	18.50	31-01-2019
23	132 KV SS CHINTALAPUDI	West Godavari	1X50+1X31.5	2X50	18.50	02-02-2019
24	132 KV SS ATMAKUR	Kurnool	2 x 10/16	1 x 31.5+1 x 10/16	15.50	02-04-2019
25	132KV SS ONGOLE	Prakasam	2 x 10/16	1 x 31.5+1 x 10/16	15.50	02-12-2019
26	132KV SS MARRIPALEM	Guntur	2 x 31.5	3 x 31.5	31.50	24-02-2019
27	132KV SS KOMATIKUNTLA	Ananthapur	1x31.5 +1x10/16	1 x 31.5+1x50	34.00	09-03-2019
28	132 KV SS ATMAKUR	Nellore	1x31.5+1x25	1x31.5+1x50	25.00	14-03-2019
29	132KV SS MENAKUR	Nellore	1X15+1X31.5	1X31.5+1X50	35.00	24-03-2019
TOTAL 4					634.50	
TOTAL 132 kV,220 kV & 400 kV (Only Augmentation)					1343.50	

7.5 SUBSTATIONS (DISTRICT WISE) AS ON 31-03-2019

S.No.	Name of the District	No. of Sub-stations				
		400 kV	220 kV	132 kV	33 kV	Total
APEPDCL						
1.	Srikakulam	0	1	10	100	111
2.	Vizianagaram	1	3	8	104	116
3.	Visakhapatnam	1	8	17	190	216
4.	East Godavari	1	7	14	194	216
5.	West Godavari	1	7	15	251	274
Total for EPDCL		4	26	64	839	933
APSPDCL						
6.	Krishna	0	6	12	248	266
7.	Guntur	1	4	20	229	254
8.	Prakasam	1	5	17	274	297
9.	Nellore	1	4	16	241	262
10.	Chittoor	2	9	25	383	419
11.	Kadapa	1	11	19	282	313
12.	Anantapur	3	20	21	239	283
13.	Kurnool	2	13	18	214	247
SPDCL		11	72	148	2110	2341
Total for Andhra Pradesh		15	98	212	2949	3274

7.6 EHV TRANSMISSION LINES COMPLETED/COMMISSIONED DURING 2018-2019

Sl. No.	Name of the line	No. of Circuits	Route Length in KM	Length circuit in CKM	Date of completion/ Commissioning
400kV lines					
1	Double LILO of 400KV RTPP -Chittoor TMDC line to the proposed 400 KV Kalikiri SS .	DC	20.23	40.460	01-04-2018
2	400 KV Quad DC line from 400 KV Kalpaka SS to 400 KV Maradam (Garividi) SS	DC	116	232.000	Ckt-I on 07-04-2018 Ckt-II on 02-04-2018
3	400KV Twin Moose DC line from 400/220KV SS Sattenapalli to 400/220KV SS Podili	DC	107.398	214.796	CKT I&II charged on 06-10-2018
4	LILO of Uravakonda-Jammalamadugu to the proposed 400/220KV SS at Talaricheruvu	DC	0.82	1.640	30-11-2018
5	400KV Quad Moose DC line from Hindupur-Uravakonda	DC	129.4	258.800	Ckt II on 22-01-2019 Ckt-I on 23-01-2019
	TOTAL		373.848	747.696	
220kV lines					
1	Erection of 220KV SC line from Chakrayapeta to Talamanchipatnam in Kadapa Dt	SC	87.198	87.198	19-05-2018
2	Erection of 220KV DC line for making LILO of existing one circuit of 220KV Vemagiri-Undi line at proposed 220/132/33 KV SS Duvva in West Godavari Dt	DC	0.32	0.640	27-05-2018
3	Erection of 220KV SC line from Chakrayapeta to LILO point of 220/33 KV Pooling SS Animala in Kadapa Dt	SC	25.662	25.662	19-05-2018
4	Erection of 220KV DC LILO line from existing 220KV Nellore-Ongole line	DC	8	16.000	07-06-2018
5	Erection of 220KV DC LILO line from existing 220KV Podili-Nellore line	DC	53.7	107.400	30-06-2018
6	Erection of 220KV DC LILO line from existing 220KV Pendurthy-Garividi DC line to the proposed 400KV SS Garvidi(Ckt I&II) in	DC	58	116.000	21-08-2018
7	Erection of 220KV DC line by making LILO of existing 220KV NTPS(VTS)-Kamavarapukota line to the 220/132 KV SS Nuzividu in Krishna Dt	DC	13.136	26.272	20-09-2018
8	Erection of 220KV line with four circuits on Multi Ckt towers for LILO of Ckt I&II of 220 KV Podili-Nellore DC line to 220KV SS Atmakur	Four Ckts	5	20.000	22-02-2019
	TOTAL		251.016	399.172	
132kv lines					
1	Stringing of 2nd Circuit on 132 KV Parchurur-Martur DC/SC line in Prakasam Dt	DC/SC to DC	19.03	19.030	11-04-2018
2	Erection of 132 KV LILO line to Kesinenipalli from 132 KV Yerragondapalem-Cumbum line in prakasam Dt	DC	7.187	14.374	26-05-2018
3	Erection of 132 KV LILO line to 220/132/33KV Racharlapadu from existing 132 KV NTS-Allur line in Nellore Dt	DC	2	4.000	07-06-2018
4	Stringing of 2nd Circuit on 132 KV Parchurur-Chirala DC/SC line in Prakasam Dt	DC/SC to DC	22.5	22.500	14-06-2018
5	Stringing of 2nd Circuit on 132 KV Ananthapur-Kalyandurgam DC/SC line in Ananthapur Dt	DC/SC to DC	53	53.000	30-07-2018
6	Erection of 132KV LILO of 2nd circuit of 132KV Ananthapur - Kalyandurgam line to 132KV SS Taticherla in Ananthapur Dt	DC	1.85	3.700	30-07-2018
7	Stringing of 2nd circuit on 132KV Markapur-Kesinenipalli in Prakasam Dt	DC/SC to DC	18.339	18.339	04-07-2018

7.6 EHV TRANSMISSION LINES COMPLETED/COMMISSIONED DURING 2018-2019

Sl. No.	Name of the line	No. of Circuits	Route Length in KM	Length circuit in CKM	Date of completion/ Commissioning
8	Stringing of 2nd circuit on 132KV Markapur-Cumbum in Prakasam Dt	DC/SC to DC	32	32.000	27-07-2018
9	Erection of 132KV DC/SC line 132KV Macherla-Veldurthy in Guntur Dt	Dc/SC	21.2	21.200	23-07-2018
10	Stringing of 2nd Ckt on 132 KV Giddaluru-Cumbum line in Prakasam Dt	DC/SC to DC	10.87	10.870	20-08-2018
11	Erection of 132 KV LILO line from 220/132 KV SS Kandukur to LILO Point of 132 KV Kandukur-Kavali SC line at Loc No 295/22 in Prakasam Dt	DC	3.75	7.500	30-08-2018
12	Erection of 132KV Amarapuram-Jammalabanda DC/SC line in Ananthapur Dt	DC/SC	25	25.000	22-09-2018
13	Erection of 132KV LILO to 220/132KV Narasaraopet SS from 132KV Chilakaluripet-Vinukonda line in Guntur Dt	DC	33.5	33.500	27-09-2018
14	Erection of 132KV DC line from 132/33KV SS Tadepalli to 132/11 KV LIS SS Undavalli in Guntur Dt	DC	8.916	8.916	04-09-2018
15	Erection of 132KV LILO line from LOC No.91 of Nandyala-Allagadda ckt-II to 132KV SS Rudravaram in Kurnool Dt	DC	13.344	26.688	30-11-2018
16	Stringing of 2nd Ckt on 132KV Kasimkota-Chodavaram DC/SC line in Visakhapatnam Dt	DC/SC to DC	29	29.000	15-12-2018
17	Erection of 132KV DC line from 132KV SS Araku to 132/33KV SS Paderu in Visakhapatnam Dt	DC	41	82.000	28-02-2019
18	Erection of 132KV DC line for LILO of existing 132KV Atmakur-Udayagiri line to 220KV SS Atmakur in Nellore Dt	DC	6	12.000	22-02-2019
19	Erection of 132 KV DC radial line from proposed 220/132KV Porumamilla SS to 132/33 KV Kalasapadu SS in Kadapa Dt	DC	32	64.000	08-03-2019
20	Erection of 132 KV DC radial line from proposed 220/132KV Porumamilla SS to 132/33 KV Brahmamgarimattam SS in Kadapa Dt	DC	14.92	29.840	29-03-2019
	Total 132 kV Lines (CKM)			517.457	

7.7 Inter-State and Inter-Regional Tie Line flows - Line wise in MU, Maximum Demand in MW (both Import & Exports) during

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 * hh:mm:ss
				Exp	Imp	Net	Exp	Imp	
400KV Lines									
1	Kalapaka - Asupaka \$	Andhra Pradesh	Telangana	621.205	607.602	13.603	410MW During Dec18	**	2566:41:00
2	Kalapaka - Khammam - II	Andhra Pradesh	Telangana	969.975	952.862	17.113	380MW During Dec18	**	1097:21:00
3	400 KV Sattenapalli-Srisailam-1	Andhra Pradesh	Telangana	512.081	97.044	415.037	444MW During Dec18	319MW During Aug18	1202:06:00
4	400 KV Sattenapalli-Srisailam-2	Andhra Pradesh	Telangana	351.12	90.141	260.979	398MW During Nov18	246MW During Aug18	3414:33:00
5	400KV Srisailam-Narnoor	Andhra Pradesh	Telangana	**	**	1247.87	345MW During July18	516MW During Dec18	2972:37:00
6	400 KV Chittoor - Madras	APTRANSCO/AP	PGCIL/TN	722.116	2.02	720.096	260MW During Sep18	50 MW During Apr18	31:14:00
7	400 KV Chittoor - Thiruvalam -I	APTRANSCO/AP	PGCIL/TN	1905.1	8	1897.1	720MW During April18	125MW During July18	136:45:00
8	400 KV Chittoor - Thiruvalam -II	APTRANSCO/AP	PGCIL/TN	1921.88	7.88	1914	580MW During April18	125MW During July18	122:33:00
9	400 KV Kalpaka-PGCIL(Gajuwaka)-1	APTRANSCO/AP	PGCIL	626.171	623.79	2.381	**	270MW During Jan19	753:15:00
10	400 KV Kalpaka-PGCIL(Gajuwaka)-2	APTRANSCO/AP	PGCIL	985.508	987.984	-2.476	**	310MW During Oct18	402:37:00
11	400KV Uravakonda-Veltoor- I	Andhra Pradesh	Telangana	1254.52	132.86	1121.66	738MW During Jul18	123MW During Dec18	1315:59:00
12	400KV Uravakonda-Veltoor- II	Andhra Pradesh	Telangana	425.348	8.908	416.44	618MW During Nov18	60MW During Dec18	5061:19:00
13	400 KV Kamavarapu Kota-Suryapet Ckt-I	Andhra Pradesh	Telangana	406.895	54.875	352.02	531MW During Dec18	185MW During Mar19	3869:32:00
14	400 KV Kamavarapu Kota-Suryapet Ckt-II	Andhra Pradesh	Telangana	184.925	11.255	173.67	367MW During Dec18	144MW During Jul18	6901:20:00
15	400 KV Sattenapalli - Vijayawada	APTRANSCO/AP	PGCIL/AP	6.46	586.317	-579.857	54 MW During Aug18	220MW During Dec18	303:12:00
16	400 KV Narnoor - Maheswaram	APTRANSCO/AP	PGCIL/TN	**	**	1386.89	255 MW During Aug18	448MW During Apr18	195:33:00
17	400 KV Narnoor- Gooty	APTRANSCO/AP	PGCIL/AP	**	**	2258.134	672 MW During Feb19	143MW During Oct18	359:48:00
18	400 KV Narnoor - Orvakal-1	APTRANSCO/AP	PGCIL/AP	**	**	2051.528	665MW During Aug18	235MW During Nov18	14:53:00
19	400 KV Narnoor - Orvakal-2	APTRANSCO/AP	PGCIL/AP	**	**	2045.041	664MW During Jun18	236MW During Nov18	15:25:00
220KV Lines									
1	220KV Ragulapadu - Allipura	KARNATAKA	Andhra Pradesh	140.943	52.273	88.67	106MW 06:00 18/04/18	84.88MW 05:00 19/02/19	49:40:00
2	220 kV Chittoor - Tiruvalam	Andhra Pradesh	Tamila Nadu	787.35	2.75	784.604	224MW During May18	49MW During July18	162:15:00
3	Lower Sileru - KTPS - I	Andhra Pradesh	Telangana			0			
4	Lower Sileru - KTPS - II	Andhra Pradesh	Telangana			0			
3	220 KV B. Kotkur - Wanaparthy Line	Andhra Pradesh	Telangana	17.401	226.22	-208.819	112MW During July18	108MW During Oct18	272:42:00
4	220KV Srisailam-Dindi-I Feeder.	Andhra Pradesh	Telangana	71.44	204.587	-133.147	141MW During Aug18	108MW During Mar18	267:08:00
5	220KV Srisailam-Dindi-II Feeder.	Andhra Pradesh	Telangana	75.405	202.872	-127.467	131MW During Sep18	106MW During Mar18	292:45:00
6	220KV Srisailam - Nagarjuna sagar Feeder	Andhra Pradesh	Telangana	49.253	243.44	-194.187	132MW During Jun18	114MW During Dec18	451:22:00
7	220 KV Nunna- KTPS	Andhra Pradesh	Telangana		814.80	-814.8	**	189MW During May18	163:29:00
8	# 220 KV Chillakallu-Suryapet	Andhra Pradesh	Telangana	100.79	99.78	1.01	126MW During Sep18	71MW During Jan19	28:30:00

9	# 220 KV Chillakallu-Narketpalli(Pulichintala)	Andhra Pradesh	Telangana	482.11	0.00	482.11	134MW During Aug18	**	41:18:00
10	220KV TALLAPALLI -NSR-I FEEDER	Andhra Pradesh	Telangana	642.29	0.00	642.293	195MW 20:00 29/08/18	**	39:06:00
11	220KV TALLAPALLI -NSR-II FEEDER	Andhra Pradesh	Telangana	640.43	0.00	640.43	195MW 20:00 29/08/18	**	57:48:00
12	220KV TALLAPALLI -NSR-III FEEDER	Andhra Pradesh	Telangana	371.08	5.89	365.19	189MW 08:00 18/02/19	**	146:44:00
13	220KV TALLAPALLI -CHALAKURTHY FEEDER	Andhra Pradesh	Telangana	523.99	0.00	523.99	164MW 13:00 05/09/18	**	34:05:00
14	220KV Sullurpeta-Gummidipudi	Andhra Pradesh (APTRANSCO)	Tamil Nadu	400.97	17.03	383.94	168MW 19:00 22/03/19	79MW 17:00 05/10/18	738:27:00
15	220KV Lower Sileru-KTPS-I	Andhra Pradesh	Telangana	289.42	31.32	258.10	160MW During Dec18	68.84MW During May18	390:24:00
16	220KV Lower Sileru-KTPS-II	Andhra Pradesh	Telangana	436.95	50.65	386.30	173MW During Mar19	128MW During May18	39:52:00
132 KV Lines									
1	132 KV Tangeda-Wadapalli	Andhra Pradesh	Telangana	0.14	337.48	-337.34	16.04MW 18:00 02/09/18	91.7MW 17:00 29/08/18	3:01:00
2	132 KV Piduguralla-Wadapalli	Andhra Pradesh	Telangana	73.646	0	73.646	18MW 13:00 08/11/18	**	21:38:00
3	132 kv Chillakallu-Madhira	Andhra Pradesh	Telangana	113.52	0	113.52	27.5MW During Oct18	**	71:25:00
4	132 kv Chillakallu-Khammam	Andhra Pradesh	Telangana	**		0			
5	132 kv Chillakallu-Kusumanchi	Andhra Pradesh	Telangana	0.554	0	0.554	49MW During Feb19	**	4:41:00
6	132 kv Chillakallu-Seethapuram	Andhra Pradesh	Telangana	102.37	5.785	96.585	50MW During Dec18	45MW During Oct18	6:23:00
7	132 kv Chillakallu-Ramapuram	Andhra Pradesh	Telangana	176.4	1.073	175.327	96MW During Oct18	11MW During Apr18	44:04:00
8	132 kv Chillakallu-Bonakallu Railway-I	Andhra Pradesh	Telangana	22.39	0	22.39	15MW During Mar19	**	33:47:00
9	132 kv Chillakallu-Bonakallu Railway-II	Andhra Pradesh	Telangana	25.7	0	25.7	14MW During Sep18	**	49:08:00
10	132 kv Chillakallu-Kodad	Andhra Pradesh	Telangana	247.57	0	247.57	78MW During Dec18	**	15:48:00
11	132KV Guntakal-Humpi	Andhra Pradesh	Karnataka	1.009	115.242	-114.233	1MW 01:00 15/04/18	40MW 14:00 29/07/18	27:23:00
12	132KV AP Carbides-Alampur -I	Andhra Pradesh	Telangana	**	**	11.63	48MW During Oct18	47MW During May18	85:42:00
13	132KV AP Carbides-Alampur -II	Andhra Pradesh	Telangana	**	**	13.108	49MW During Sep18	48MW During May18	120:32:00
14	132 KV Araku-Machkund-I	Andhra Pradesh	Orissa	0.0105	147.974	-147.9635	**	41MW During Jan19	1:12:00
15	132 KV Araku-Machkund-II	Andhra Pradesh	Orissa	0.0115	147.02	-147.0085	**	41MW During Jan19	0:44:00
16	132 KV K.Kota -Aswarao Peta-I	Andhra Pradesh	Telangana	32.99	55.09	-22.1	**	53.9MW During Nov18	18:03:00
17	132 KV K.Kota -Aswarao Peta-II	Andhra Pradesh	Telangana	35.78	43.58	-7.8	12MW During Aug18	40MW During Feb19	15:15:00
18	132KV Pratap Nagar-Yanam	Andhra Pradesh	Puducherry	58.53	0	58.53	11.7MW During Aug18	**	8:05:00

* 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

\$ 400KV Kalpaka -Khammam -I was modified as 400KV Kalpaka-Asupaka from August 2017

7.8 (A) APTRANSCO PURCHASES OF ENERGY (MW)

(MU)

Year	Purchases from APGENCO			Purchases , imports and wheeled										Gross Total/ Ex-bus Available
	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
2000-2001	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
2001-2002	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
2002-2003	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
2003-2004	2934.67	20403.94	23338.61	13011.40		344.29	502.87	-	-	7777.17	179.32	2287.05	24102.10	47440.71
2004-2005	5267.22	21145.08	26412.31	13774.03			1908.20			5899.89	748.08	2380.32	24710.52	51122.82
2005-2006	7872.53	18718.33	26590.86	15971.13			1752.98			5476.67	529.60	2253.62	25984.00	52574.86
2006-2007	9246.63	19994.07	29240.70	19487.34			1445.47			5672.82	167.36	2056.77	28829.76	58070.46
2007-2008	9509.76	21451.57	30961.33	19821.82			1101.43			7283.75	356.69	1720.12	30283.81	61245.14
2008-2009	7702.54	23294.47	30997.01	25315.86			1440.69			7269.70	747.96	1615.54	36389.75	67386.76
2009-2010	5450.48	24101.16	29551.64	22851.20			2087.32			16025.76	1465.78	2630.17	45060.23	74611.87
2010-2011	7717.67	26845.72	34563.39	19986.24			1680.74			18004.95	1964.32	1564.41	43200.66	77764.05
2011-2012	6375.55	32893.11	39268.66	24953.20			1447.93			16405.69	1618.69	1466.06	45891.57	85160.23
2012-2013	3206.64	34729.55	37936.19	30413.50			1140.08			9254.72	2530.17	923.41	44261.88	82198.07
2013-2014	7142.91	31706.00	38848.91	37120.34			1016.48			5459.69	4595.37	1150.28	49342.16	88191.07
2014-2015 (Apr&May)	621.37	5702.66	6324.03	6898.06			172.60			806.71	1020.36	163.64	9061.37	15385.40
2014-2015 (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
2015-2016	2320.39	12201.93	14522.32	11925.08	90.29	4666.19	2650.66	15659.47	34991.68	49514.00
2016-2017	2180.52	14378.91	16559.43	11639.60	84.62	7998.42	4986.00	11369.18	36077.82	52637.25
2017-2018	2655.68	18477.70	21133.38	10139.04	147.01	6293.12	12420.57	7442.926	36442.66	57576.04
2018-2019	2680.45	22360.83	25041.28	8018.12	1091.40	4433.95	13360.78	11198.03	38102.28	63143.56

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

(MU)

Year Ending March	Total Energy Handled*	Energy sold to Discoms (#)	Transmission Losses	Sales within the State\$	Energy assessed in theft& pilferage & 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
2000-2001	44716.83	40720	8.94	29457.97	310.21	29.48	29559.62	15157.21	33.90	2528
2001-2002	44890.04	40419.24	9.96	31601.03	-	-	31601.03	13289.01	29.60	2785.65
2002-2003	45787.68	41642.51	9.05	33823.68	-	-	33823.68	11964.00	26.13	2010.44
2003-2004	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(DISCOM +UI+Inter state)	T&D Losses (Incl. UI energy) MU	T&D Losses (Incl. UI energy) (%)	3rd party energy Handled
2004-2005	51142	46255	4.53	37617.63	2132.61	439	40188.74	10953.26	21.42	2380.32
2005-2006	51857.16	47807	4.48	39651.69	527.29	1199.72	41378.7	10478.46	20.21	2253.62
2006-2007 (incl PGCIL losses)	57464	53994.81	4.80	44850	500.26	212.85	45563.11	11900.89	20.710	1882.95
2006-2007 (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%	
2007-2008	61797.37	56992.07	4.27	48390.42	1616.79	93.41	49939.14	11858.23	19.19	
2008-2009	67386.76	62637.1	4.02	53215.36	1276.44	107.13	54830.9	12555.86	18.63	
2009-2010	74611.87	68960.26	4.65	59118.39	1484.189	81.93	60930.058	13681.812	18.34	
2010-2011	77764.05	72131.75	4.50	62618.77	1472.36	92.15	64149.24	13614.81	17.51	
2011-2012	85050.44	79966.26	4.22	69955.05	1465.66	91.11	71270.35	13780.09	16.20	
2012-2013	83291.17	77988.21	5.24	68307.17	925.47	66.41	69281.69	14009.48	16.82	
2013-2014	89500.01	83847.08	5.00	73055.73	1163.22	74.35	74158.34	15341.67	17.14	
2014-2015 (Apr& May)	15590.82	14625.73	3.92	12603.71	163.37	11.3	12603.71	2987.11	19.16	
2014-2015 (Jun to Mar)	40771.62	38215.18	3.37	35543.8	869.379	21.83	35543.8	5227.82	12.82	
2015-2016	50110.44	47330.78	3.37	44439.19	1102.37	24.81	44817.6	5292.84	10.56	
2016-2017	54770.55	51488.76	2.92	47822.87	1708.36	22.07	48392.34	6378.21	11.65	
2017-2018	58262.62	54583.39	3.13	50519.22	1899.13	17.03	51313.77	6948.85	11.93	
2018-2019	61347.20	59443.95	3.10	54567.05	2258.01	16.85	55327.95	8294.12	13.04	

7.8 © ENRGY BALANCE SHEET 2018-2019

(MU)

S. No	Particulars	2018-2019 (From Apr-18 to Mar -19)
1	Input from State Generators including wheeling	42908.19
2	CGS (Ex-Bus)	18965.10
3	System Input at 132 kv & above including Wheeled Energy (1+2)	61873.29
4	Energy delivered by Transco to Discoms Including Wheeled Energy	59443.95
5	Transmission Losses (Incl.Wheeling) (3-4) inclusive of PGCIL losses	2429.34
6	% Transmission Losses (Incl wheeling) on respective Inputs{(5/3*100)} inclusive of PGCIL losses	3.93
6a	% Transmission Losses (Incl wheeling) on respective Inputs{(5-11)/(3-11)*100)} exclusive of PGCIL losses	3.10
7	Net wheeled Energy at 132 KV & above by Third Party Developers	539.170
8	Energy delivered by Transco to Discoms Excluding Wheeled Energy at 132 KV & above (4 - 7)	58904.78
9	Drawls at 33 KV & 11 KV from TP developers	2258.01
10	Drawls at 33 KV & 11 KV from Genco	16.85
11	External losses (PGCIL losses)	526.10
12	Input to Discoms (Incl Wheeling Energy)(8+9+10)	61179.64
13	Discoms sales of Energy (Excl Wheeling)	54567.05
14	Net Wheeled Energy at 33 KV & Below by Third Party Developers	221.73
15	Discoms sales of Energy (Incl. Wheeling) (13 + 14)	54788.78
16	Distribution Losses (Incl. wheeling) (12-15)	6390.86
17	% Distribution losses (Incl.Wheeling) on respective inputs { (16/12)*100 }	10.45
18	T & D Input (Ex-Bus Availability) (3+9+10)	64148.15
19	T & D Sales (Incl.Wheeling) by Discoms (15+7)	55327.95
20	T & D Losses (Incl. Wheeling) (18-19)	8820.25
21	%T & D losses (Incl.wheeling) &(Incl. SR Losses) (20/18*100)	13.75
22	T & D Losses (Incl. Wheeling) & (Excl. SR Losses) (20-11)	8294.15
23	T & D Input (Ex-Bus Availability) (Excl. SR Losses) (18-11)	63622.05
24	%T & D losses (Incl.wheeling) (Excluding SR Losses) ((22/23)*100)	13.04

**7.9 CATEGORY-WISE SERVICES AS ON 31.3.2019
(EXCLUDING R.E.S.CO-OPERATIVES)**

Figures in Nos

Sl No	DISTRICT	L.T.CATEGORY								Total LT	H.T.	TOTAL
		I	II	III	IV	V	VI	VII	VIII			
		Dom	Non-Dom	Indl	Cot-Indl	Agl	Pub-Lt	Gen	Temp			
1	SRIKAKULAM	743662	69787	3533	315	32986	5191	7069	284	862827	390	863217
2	VIZIANAGARAM	558806	56260	3050	130	37330	3790	5146	70	664582	355	664937
3	VISAKHAPATNAM	1267459	157626	5728	408	29964	9282	6963	390	1477820	1201	1479021
4	EAST GODAVARI	1440869	168331	14249	1139	52089	6445	16484	273	1699879	1161	1701040
5	WEST GODAVARI	1104181	136727	20636	352	97318	6811	12860	181	1379066	735	1379801
	TOTAL APEPDCL	5114977	588731	47196	2344	249687	31519	48522	1198	6084174	3842	6088016
6	KRISHNA	1488157	158424	23745	1046	112583	8460	14240	38	1806693	1563	1808256
7	GUNTUR	1739570	169651	16453	377	119096	7948	12588	217	2065900	1370	2067270
8	PRAKASAM	1089803	86303	10980	689	186933	7462	10433	334	1392937	737	1393674
9	NELLORE	1024600	91817	28039	840	188094	9711	8998	124	1352223	636	1352859
10	CHITTOOR	1356221	123145	13224	7417	284856	21863	12004	790	1819520	1072	1820592
11	KADAPA	799847	70743	5631	608	166664	6084	6769	3	1056349	418	1056767
12	ANANTAPUR	1099234	89970	9162	4971	268146	7733	8793	224	1488233	506	1488739
13	KURNOOL	1086790	86952	9379	607	177487	7115	7650	170	1376150	369	1376519
	TOTAL APSPDCL	9684222	877005	116613	16555	1503859	76376	81475	1900	12358005	6671	12364676
	TOTAL FOR A.P.	14799199	1465736	163809	18899	1753546	107895	129997	3098	18442179	10513	18452692

7.9(a) CATEGORY WISE SERVICES OF RESCOs AS ON 31-03-2019

Figures in No.s

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)	55605	5210	486	109	7070	399	547	17	69443	2	69445
2	Anakapally (Vizag)	128118	7617	2778	74	14102	1164	1137	12	155002	-	155002
3	Kuppam (Chittoor)	76288	5812	471	5	32382	1891	1021	13	117883	-	117883
Total		260011	18639	3735	188	53554	3454	2705	25	342328	2	342330

7.9B CATEGORY-WISE SERVICES AS ON 31.3.2019
(Including RESCOs)

Figures in No.s

S.No.	DISTRICT	L.T.CATEGORY									H.T.	TOTAL
		I	II	III	IV	V	VI	VII	Temp	Total LT		
1	SRIKAKULAM	743662	69787	3533	315	32986	5191	7069	284	862827	390	863217
2	VIZIANAGARAM	614411	61470	3536	239	44400	4189	5693	87	734025	357	734382
3	VISAKHAPATNAM	1395577	165243	8506	482	44066	10446	8100	402	1632822	1201	1634023
4	EAST GODAVARI	1440869	168331	14249	1139	52089	6445	16484	273	1699879	1161	1701040
5	WEST GODAVARI	1104181	136727	20636	352	97318	6811	12860	181	1379066	735	1379801
	TOTAL APEPDCL	5298700	601558	50460	2527	270859	33082	50206	1227	6308619	3844	6312463
6	KRISHNA	1488157	158424	23745	1046	112583	8460	14240	38	1806693	1563	1808256
7	GUNTUR	1739570	169651	16453	377	119096	7948	12588	217	2065900	1370	2067270
8	PRAKASAM	1089803	86303	10980	689	186933	7462	10433	334	1392937	737	1393674
9	NELLORE	1024600	91817	28039	840	188094	9711	8998	124	1352223	636	1352859
10	CHITTOOR	1432509	128957	13695	7422	317238	23754	13025	803	1937403	1072	1938475
11	KADAPA	799847	70743	5631	608	166664	6084	6769	3	1056349	418	1056767
12	ANANTAPUR	1099234	89970	9162	4971	268146	7733	8793	224	1488233	506	1488739
13	KURNOOL	1086790	86952	9379	607	177487	7115	7650	170	1376150	369	1376519
	TOTAL APSPDCL	9760510	882817	117084	16560	1536241	78267	82496	1913	12475888	6671	12482559
	TOTAL FOR A.P.	15059210	1484375	167544	19087	1807100	111349	132702	3140	18784507	10515	18795022

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 - Suryapet DC line	DC	400	143.26
2	400 KV Srisailam-Sathena palli (DC) feeder	DC	400	330.8
3	400 KV Srisailam - Kurnool (SC) feeder	SC	400	102
4	400KV KHMM - VSP II (400KV B'Padu - Kalpaka)	SC	400	364
5	400 KV KALPAKA-ASUPAKA	SC	400	267.017
6	400KV Uravakonda-Veltoor I&II	DC	400	249.3
7	400 KV Kamavarapu Kota-Suryapet Ckt-I & II	DC	400	114.7
8	400 KV Chittoor - Thiruvalam -I &II	DC	400	**
9	400 KV Chittoor- Madras	SC	400	10.57
7	220KV Nunna - KTPS SC Line	SC	220	61.15
8	220KV Tallapalli - Nagarjunasagar - I & II feeder	DC	220	20
9	220KV Tallapalli - Nagarjunasagar -III feeder	SC	220	8.8
10	220KV Tallapalli - Chalakurthy feeder	SC	220	8.63
11	220KV Chillakallu - Narketpalli line	SC	220	13.45
12	220KV Chillakallu - Suryapet line	SC	220	13.45
13	220 KV Brahmnaotkur-Wanaparthy line (LIS)	DC	220	18.85
14	220KV Srisailam-Dindi-I & II (DC) feeder	DC	220	2
15	220 KV N'Sagar Receiving Station – Srisailam SC Line	SC	220	14
16	220KV LSR - KTS-I	DC	220	146.6
17	220KV LSR - KTS-II	DC	220	119
18	Chittoor - Thiruvalam (Tamilnadu)	SC	220	21.16
19	Sullurpet -Gummadipoondi (Tamilnadu) (Originally Nellore-Ennore)	SC	220	30.74
20	Ragulapadu-Alepura (Karnataka)	SC	220	39.16
21	132KV Nagarjunasagar - RCPH feeder		132	5.3
22	132KV Piduguralla - Wadapalli Ckt-II	DC	132	43.685
23	132KV Tangeda - Wadapalli DC/SC line	SC	132	27.281
24	132KV Chillakallu - Kodada SC line	SC	132	11.72
25	132KV Chillakallu - Vepulasingaram SC line (Ramapuram)	SC	132	15.7
26	132KV Chillakallu - Sitapuram SC line	SC	132	15.7
27	132KV Chillakallu - Khammam SC line	SC	132	11.7
28	132KV Chillakallu - Kusumanchi SC line	SC	132	11.7
29	132KV Chillakallu - Madhira SC line	SC	132	21.5
31	132KV Chillakallu - Bonakallu Railway Traction I &II (DC) feeder	DC	132	36
32	132 KV A.P.Carbides - Alampur I & II	DC	132	28.54
34	132KV K.Kota - Aswaraopet I & II	DC	132	64.5
35	132 KV Pratapnagar(Kakinada)-Yanam(pondichery)	SC	132	30.3

§ 400KV Kalpaka -Khammam -I was modified as 400KV Kalpaka-Asupaka from August 2017

7.11 GROWTH OF CONSUMERS AND CONNECTED LOAD

SL. No.	Category	1987-1988		1988-1989		1989-1990		1990-1991		1991-1992	
		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)
LOW TENSION											
I.	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
HIGH TENSION											
II.	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	1992-1993		1993-1994		1994-1995		1995-1996		1996-1997	
		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 T	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	1997-1998		1998-1999*		1999-2000		2000-2001		2001-2002	
		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(Segregated) cat 1 w.e.f.1998-99.

** Reconciled data.

7.11 GROWTH OF CONSUMERS AND CONNECTED LOAD

SL. No.	Category	2014-2015 (Resi AP)		2015-2016		2016-2017		2017-2018		2018-2019	
		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	12648102	10655	13176880	9686	13885966	10446	14338841	13689	14799199	14376
	2.Non-Domestic	1104366	2440	1173535	2231	1254523	2426	1349834	3014	1465736	3286
	3.Industrial	134100	2886	137934	2093	144124	2313	155521	5622	163809	5922
	4.Cottage Industries	16029	267	16493	43	16885	45	17812	109	18899	117
	5.Agricultural (Incl. Reservoirs)	1509495	7536	1581855	7127	1657258	7627	1720670	7753	1807100	8156
	6.Public Lighting	91440	583	95274	404	100209	451	104490	842	107895	870
	7.General Purpose	105297	269	106975	128	111788	137	120989	1070	129997	1151
	8.Temporary	2205	5	2483	1	2769	1	2929	159	3098	169
Total L.T	15611034	24641	16291429	21712	17173522	23444	17811086	32258	18495733	34046	
II.	HIGH TENSION										
	Total H.T	7835	9466	8348	5177	8958	5861	9630	8523	10513	9364
Grand Total (I+II)		15618869	34107	16299777	26888.363	17182480	29305.017	17820716	40781.35	18506246	43410

* SPDCL DATA REVISED

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	2018	2019
1	400 kV	2400	2892	3607	4562	5310.47
2	220 kV	8395	9954	10549	11033	11432.01
3	132 kV	8600	9784	10091	10720	11237.69
4	33kV	24084	24639	24803	25827	26262.00
5	11kV	184499	192081	217701	226013	235630.00
6	L.T Lines in kV	288769	296983	320569	327044	343678.00
	Total CKM	516747	536333	587320	605199	633550.17

II - SUB - STATIONS (Nos)

Sl. No	Voltage (kV)	At the end of March				
		2015	2016	2017	2018	2019
1	400 kV	6	6	10	11	15
2	220 kV	71	75	84	92	98
3	132 kV	169	180	191	206	212
5	33 kV	2633	2728	2766	2898	2949
	Total Nos	2879	2989	3051	3207	3274
6	Distribution Transformers (Nos)	621171	635055	814078	875547	949799
7	DTRs Transformer Capacity (MVA)	21798	22976	28227	29672	31862

* Reconcilled

7.13 DISTRIBUTION LINES AND DISTRIBUTION TRANSFORMERS EXISTING AS ON 31-03-2019					
S.No.	District	Lines in Km			(Nos)
		33 kV	11 kV	L.T	DTRs
APEPDCL					
1	Srikakulam	959	7104	14586	17099
2	Vizianagaram	740	5631	10326	16682
3	Visakhapatnam	1312	7613	18261	33953
4	East Godavari	1537	11194	18204	49707
5	West Godavari	1716	15298	21236	82800
Sub-total		6264	46840	82613	200241
APSPDCL					
6	Krishna	2294	16052	39962	69951
7	Guntur	2117	18028	23890	64516
8	Prakasam	3016	41723	53994	81982
9	Nellore	2285	15676	25163	78802
10	Chittoor	2998	28072	32677	134249
11	Kadapa	1986	23527	22591	119536
12	Anantapur	2815	26585	36547	111657
13	Kurnool	2488	19127	26241	74891
Sub-total		19999	188790	261065	735584
Total for A.P(DISCOMs)		26263	235630	343678	935825
1	Chipurupalli				948
2	Anakapalle				2348
3	Kuppam				10678
RESCOs Total					13974
Grand Total					949799

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
1977-1978	1.4.1977 to 14.8.1977	30	30	30	30	30	30	30	30	30	30	30	30
1977-1978	25.4.1977 to 14.8.1977 (Textile units)	20	20	20	20	20	20	20	20	20	20	20	20
No Power Restrictions from 15.8.78 to 4.9.1979													
1979-1980	5.9.1979 to 31.7.1980	30	30	30	30	30	30	30	30	30	30	30	30
1980-1981													
No Power Restrictions from 1.8.1980 to 26.1.1984													
1983-1984	27.1.1984 to 30.4.1984	25	25	25	25	25	25	25	25	25	25	25	25
1984-1985													
No Power Restrictions from 1.5.1984 to 14.4.1987													
1987-1988	15.4.1987 to 6.6.1987	15	15	15	15	15	15	60	60	60	60	60	60
	7.6.1987 to 30.6.1987	-	-	-	-	-	-	60	60	60	60	60	60
1987-1988	01.07.1987 to 09.07.1987	-	-	-	-	-	-	60	60	60	60	60	60
	10.07.1987 to 14.07.1987	-	-	-	-	-	-	30	30	30	30	30	30
	16.11.1987 to 19.11.1987	-	-	-	-	-	-	35	35	35	35	40	40
	20.11.1987 to 31.01.1988	15	15	15	15	15	15	35	35	35	35	40	40
	01.02.1988 to 13.03.1988	15	15	15	15	15	15	35	35	50	50	60	60
1988-1989	14.03.1988 to 30.06.1988	15	15	15	15	15	15	35	35	50	50	80	60
	01.07.1988 to 29.07.1988	15	15	15	15	15	15	35	35	50	50	80	60
	28.11.1988 to 31.12.1988	30	-	30	25	30	25	30	25	30	25	30	25
1989-1990	01.01.1989 to 14.04.1989	15	-	30	25	30	25	30	25	30	25	30	25
	15.04.1989 to 30.06.1989	15	-	30	25	30	25	40	30	50	40	60	50

(Contd.)

7.14 POWER RESTRICTIONS for HT Consumers				
1999-2K	No power cuts during this year			
2000-01	No power cuts during this year			
2001-02	No power cuts during this year			
2002-03	No power cuts during this year			
2003-04	No power cuts during this year			
2004-05	No power cuts during this year			
2005-06	No power cuts during this year			
2006-07	No power cuts during this year			
2007-08	No power cuts during this year			
2008-09	No power cuts during this year			
2009-10	three day power holiday per week was imposed on industrial sector from 07-04-2009.Power holidays were gradually lifted after reduction of agricultural demand			
2010-11	One and half power holiday is reduced to One day Power holiday for SSI units from 21-04-2010.Power holidays to other industries are reduced to one day from two days w.e.f 27-04-2010 for other industries .Power holidays to all industries except continuous industries were lifted from 08-05-2010.Power holiday to continuous industries were also lifted from 20-05-2010.			
2011-12	<ul style="list-style-type: none"> • One day power holiday was announced to industries from 01-04-2011 and lifted from 16-04-2011. • Again one day Power holiday was announced to Industries from 25-09-2011 with peak hour restrictions (from 18:30 to 22:30 hrs) • From 02-10-2011 Power holiday enhanced to 2days a week with peak hour restriction. • From 05-11-2011 Industry is categorized as continuous process industry and non continuous process process industries with evening peak hour restrictions.For continuous process industry :70% during day time and 50% during peak. • From 08-12-2011 restrictions for continuous process industry reduced to 60% for day time and 40% during peak. (No change for Non-Continuous process industry).• • Power holidays lifted to all industries from 13-01-2012 • From 21-01-2012 70% supply to continuous process industry during day time i.e from 6:00 AM to 6:00 PM and 100% supply for balance period. No LR for non-continuous process industries. • During the period 11-02-2012 to 29-02-2012 5 days power holidays to continuous process Industries. • One day power holiday introduced to non-continuous process industries from 15-02-2012 and enhanced to 2days/week from 18-02-012 and 3 days/week (or 40% cut for the total March month) from 08-03-2012. Peak hour restrictions also imposed from 08-03-2012. • 12 days power holiday (or 40% cut for the total March Month) for continuous process industries for the month of March'12 with peak load restrictions. 			
2012-13	Industries : As per Hon'ble APERC orders on Restriction and Control Measures dated 7.9.2012/ 14.9.12 restrictions on contract demand and energy consumption on various industries from 12th September 2012 to March 2013			
2013-14	<p>a)Industries : As per Hon'ble APERC orders on Restriction and Control Measures dated 17.04.2013 restrictions on contract demand and energy consumption on various industries is being implemented from meter reading date April 2013 to meter reading date of June 2013</p> <p>b)As per Hon'ble APERC amendment orders on Restriction and Control Measures dated 15-6-2013 the supply enhanced from 66% to 80% and will be in force till the meter reading date of September 2013.</p> <p>c) As per Hon'ble APERC amendment orders on Restriction and Control Measures dated 2-7-2013, the supply enhanced from 80% to 100% during the peak hours and 40% to 50% and will be in force till the meter reading date of July 2013 to meter reading date of September 2013</p> <p>d) As per Hon'ble APERC amendment orders on Restriction and Control Measures dated 31-7-2013 the restrictions and control measures completely lifted from 1-8-2013.</p> <p>e) There was no power restrictions during 1-8-2013 to 02-3-2014.</p> <p>f) From 3-3-2014 onwards one day power holiday in a week was imposed.</p>			
2014-15 Combined AP	Details	From 03.03.2014	From 09.05.2014	From 14.05.2014
	Hyderabad Tirupati, Vizag and warangal	3 Hours in two spells	3 Hours in two spells	3 Hours in two spells
	Corporationd and District Headquarters	3 Hours in two spells	3 Hours in two spells	3 Hours in two spells
	Towns and Muniipalities	4 Hours in two spells	4 Hours in two spells	4 Hours in two spells
	Mandal HQ	6 Hours in two spells	6 Hours in two spells	6 Hours in two spells
	Rurals	Lighting supply during 06.00PM to 06.00AM and day supply along with agriculture supply.	Lighting supply during 06.00PM to 06.00AM and day supply along with agriculture supply.	Lighting supply during 06.00PM to 06.00AM and day supply along with agriculture supply.
Industries	One day Power Holiday in a week.	One day Power Holiday in a week.	Nil.	
2014-15 Residual AP	From 14/05/2014 Tirupati and Vizag : 3 Hours in two spells Corporations and District Head quarters:3Hours in two spells Towns & Municipalities:4 Hours in two spells Mandal HQ :6 Hours in two spells Rurals : Lighting supply during 06:00 PM to 06:00AM and day supply along with agriculture supply Industries : Nil		From 01/03/2015 NIL	

7.14 POWER RESTRICTIONS (2015-2019)	
2015-16	1.Total Load Shedding in the state during the year 2015-16 : 21MU (Includes Industrial Load relief of Nil MU)
	2.R&C measures to Domestic Sector and Power Holidays to Industries:
	For 2015-16
	Tirupati and Vizag
	Corporations and District Head Quarters
	Towns & Muncipalities
	Mandal HQ
	Rurals
	Industries
Nil	
3.Power Supply to Agricultural sector: i)Three Phase Supply : 7 Hours in one or two spells. ii)Single phase supply : No single phase supply for agriculture sector.	
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. ii)Single phase supply : No single phase supply for agriculture sector.
2017-18	1. Total Load Shedding in the state during the year 2017-18 : 10.06 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. ii)Single phase supply : No single phase supply for agriculture sector.
2018-19	1. Total Load Shedding in the state during the year 2018-19 : 6.50 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. ii)Single phase supply : No single phase supply for agriculture sector. 9 Hours supply in day time as per G.O.No.17 Dt:15.02.2019

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

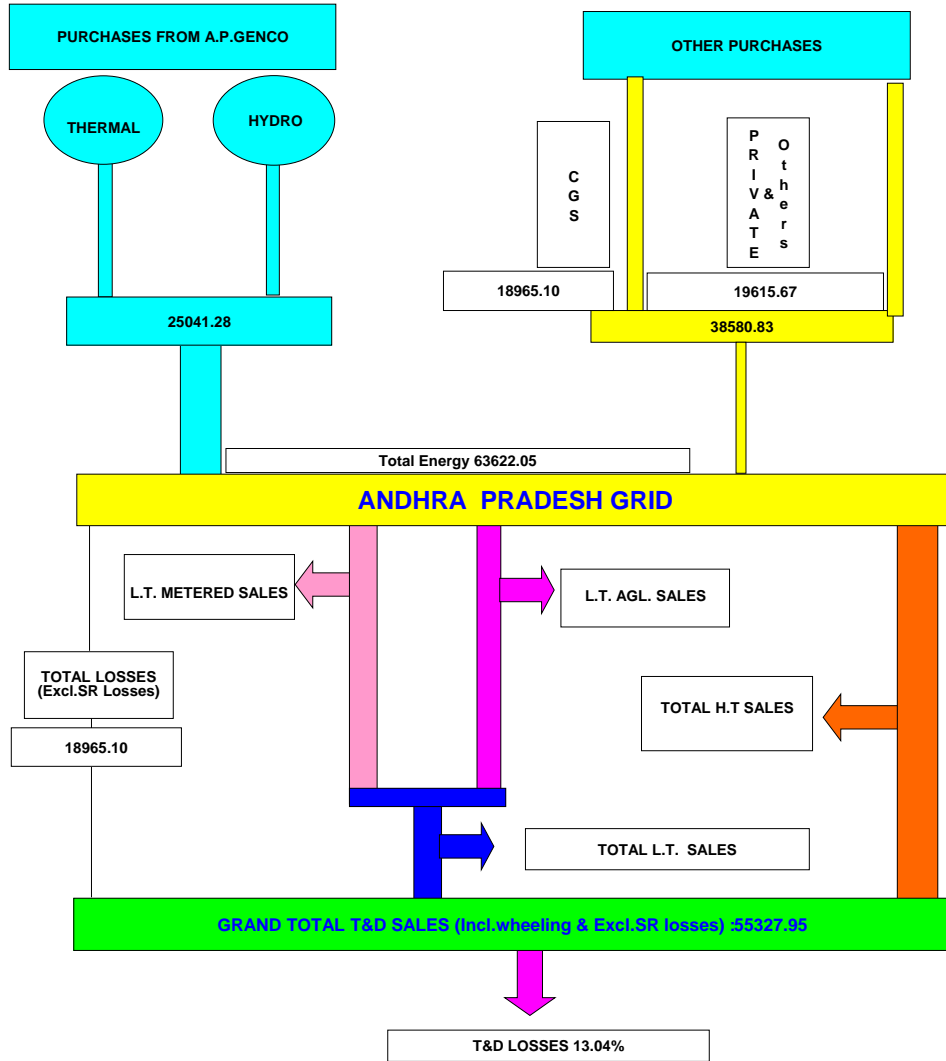
**DISTRICT WISE STATEMENT OF CASES REPORTED AND COMPOUNDED DURING
2018-19**

S.No.	District/ APTS	No.of cases reported	Assessment amount Collected	Cases compounded	Compounding amount collected	Persons arrested
			(In Lakhs)		(in Lakhs)	
	APEPDCL					
1	Srikakulam	1224	8.81	1213	8.43	0
2	Vizianagaram	1049	20.994	1008	7.50	0
3	Visakhapatnam	1193	25.60	1141	11.35	0
4	East Godavari	1755	104.11	1737	22.22	1
5	West Godavari	1866	92.01	1887	25.06	0
	Total	7087	251.53	6986	74.54	1
	APSPDCL					
1	Krishna	1996	115.61	1993	35.2	0
2	Guntur	5424	141.62	5271	62.51	1
3	Prakasam	5953	112.82	6018	72.6	0
4	Nellore	4435	620.20	4384	95.57	0
5	Chittoor	6789	28.77	6610	43.84	0
6	Kadapa	11334	265.82	11607	101.79	3
7	Ananatapur	9396	463.46	9239	72.37	0
8	Kurnool	8976	127.33	8988	70.12	0
	Total	54303	1875.63	54110	553.97	4
	Grand Total	61390	2127.16	61096	628.51	5

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
2017-18	66100	67145	13	2791.53	661.58
2018-19	61390	61096	5	2127.16	628.51

A.P.TRANSKO ENERGY BALANCE SHEET 2018-19
 (ALL FIGURES IN MU) (Excluding SR Losses)



8. RURAL ELECTRIFICATION

8.1 - RURAL ELECTRIFICATION PROGRESS AS ON 31-03-2019 AND PROGRAMMED FOR 2019-20

Sl. No.	Particulars	Total Existing in the State as on 31-03-2019 (Nos.)	Total Electrified as on 31-03-2019 (Nos.)	Electrified during 2018-19 (Nos.)	Total Electrified as on 31-03-2019		Balance to be electrified as on 31.03.2019	Programmed to be electrified during 2019-20
					(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	98.00	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	6084	5812	0	5812	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 31-03-2018 (Nos.)	Energized during 2018-19 (Nos.)	Total Energized in the State as on 31-03-2019 (Nos.)	Programmed to be Energized during 2019-20			
8	Total Agricultural services released in the state as on 31.03.2019, released during 2018-19 and programmed to be released during 2019-20.	1720670	86430	1807100	67903			

8.2- DISTRICT- WISE GENERAL HAMLETS,TRIBAL HAMLETS/HABITATIONS, DALITWADAS AND WEAKER SECTION COLONIES EXISTING, ELECTRIFIED AND PERCENTAGE OF ELECTRIFIED AS ON 31-03-2019

Figures in No.s

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	2283	2283	100.00	1265	1265	100.00	816	815	99.88	5657	5650	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	5105	5092	99.75	10994	10985	99.92	6801	6750	99.25	29182	29096	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	6084	5812	95.53	37402	36312	97.09	22378	21725	97.08	89865	87324	97.17

**8.3 - VILLAGES ELECTRIFIED WITH SPV PANELS
DISTRICT- WISE LAYING OF CONVENTIONAL LINES IN
PLACE OF DEFUNCT SPV PANELS**

Sl. No.	District / Discom	Existing (in Nos)	Total Electrified (in Nos)	% Electrified
1	2	3	4	5
	EPDCL			
1	SRIKAKULAM	53	53	100.00
2	VIZIANAGARAM	157	157	100.00
3	VISAKHAPATNAM	2627	2627	100.00
4	EAST GODAVARI	491	491	100.00
5	WEST GODAVARI	0	0	0.00
	TOTAL for EPDCL	3328	3328	100.00
	SPDCL			
6	KRISHNA	0	0	0.00
7	GUNTUR	0	0	0.00
8	PRAKASAM	1	1	100.00
9	SPS NELLORE	10	10	100.00
10	CHITTOOR	386	386	100.00
11	YSR KADAPA	0	0	100.00
12	ANANTAPUR	0	0	0.00
13	KURNOOL	0	0	0.00
	TOTAL for SPDCL	397	397	100.00
	STATE TOTAL	3725	3725	100.00

8.4-AGRICULTURAL SERVICES RELEASED IN ANDHRA PRADESH AS ON 31-03-2019

S. No.	DISTRICT	Total Agl. services released as on 31-03-2018	Agl. services released during 2018-19	Total Agl. services released as on 31-03-2019
EPDCL				
1	SRIKAKULAM	31750	1236	32986
2	VIZIANAGARAM	41974	2426	44400
3	VISAKHAPATNAM	41574	2492	44066
4	EAST GODAVARI	50334	1755	52089
5	WEST GODAVARI	96028	1290	97318
	TOTAL	261660	9199	270859
SPDCL				
6	KRISHNA	107353	5230	112583
7	GUNTUR	111533	7563	119096
8	PRAKASAM	171984	14949	186933
9	SPS NELLORE	178199	9895	188094
10	CHITTOOR	310620	6618	317238
11	KADAPA	159428	7236	166664
12	ANANTAPUR	255955	12191	268146
13	KURNOOL	163938	13549	177487
	TOTAL	1459010	77231	1536241
STATE TOTAL		1720670	86430	1807100

**8.5 - YEAR- WISE AND CUMULATIVE NUMBER OF AGRICULTURAL PUMP-SETS
ENERGISED IN THE A.P.STATE.
(Including R.E.Co-operatives)
(1960 - 2019)**

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
57	2017-18	63412	1720670
58	2018-19	86430	1807100
★	Pumpsets Energised by RESCOs only.		137

8.6 YEAR- WISE REC SCHEMES AS ON 31.03.2019

(Rs.In Crores)

Sl. No	Year	No.of Schemes Sanctioned	Loan Amount Sanctioned by		Loan Amount Released by	
			REC	Banks	REC	Banks
1	1969-1970	2	0.91	--	--	--
2	1970-1971	8	5.52	--	1.07	--
3	1971-1972	5	2.89	--	3.02	--
4	1972-1973	16	5.74	--	3.58	--
5	1973-1974	37	6.96	--	5.46	--
6	1974-1975	33	7.99	--	4.72	--
7	1975-1976	28	8.11	--	4.76	--
8	1976-1977	24	7.79	--	6.29	--
9	1977-1978	33	9.86	--	8.45	--
10	1978-1979	70	14.68	10.865	10.33	--
11	1979-1980	48	6.83	6.100	11.30	3.43
12	1980-1981	91	16.81	15.460	12.16	6.97
13	1981-1982	75	14.55	15.887	12.67	7.20
14	1982-1983	101	22.68	24.402	14.34	12.80
15	1983-1984	167	39.14	39.436	16.51	16.63
16	1984-1985	165	39.03	26.242	13.06	25.88
17	1985-1986	171	30.12	43.020	36.01	28.78
18	1986-1987	281	54.16	63.964	43.30	46.25
19	1987-1988	376	96.83	57.551	60.61	49.69
20	1988-1989	305	61.65	84.538	46.42	51.64
21	1989-1990	217	43.04	33.880	45.63	57.28
22	1990-1991	206	53.75	37.621	52.38	39.01
23	1991-1992	137	55.66	24.793	26.12	40.04
24	1992-1993	357	80.94	43.171	45.08	42.49
25	1993-1994	509	97.98	112.803	100.00	64.80
26	1994-1995	551	146.64	149.837	127.10	120.72
27	1995-1996	50	40.86	--	56.01	43.70
28	1996-1997	22	24.91	--	37.93	3.71
29	1997-1998	32	34.22	--	6.85	-
30	1998-1999	135	229.53	--	105.79	-
31	1999-2K	18	63.41	--	95.55	--
32	2000-2001	293	878.21	--	399.09	--
33	2001-2002	123	912.89	--	414.70	--
34	2002-2003	181	978.61	--	726.40	--
35	2003-2004	365	1327.55	--	967.04	--
36	2004-2005	256	687.00	--	870.07	--
37	2005-2006	116	2062.91	--	600.44	--
38	2006-2007	122	1272.05	--	605.34	--
39	2007-2008	102	1399.64	--	944.38	--
40	2008-2009	77	632.18	--	732.25	--
41	2009-2010	91	1449.58	--	1152.66	--
42	2010-2011	75	1416.53	--	1208.08	--
43	2011-2012	175	2854.17	--	1103.84	--
44	2012-2013	140	3389.05	--	2933.50	--
45	2013-2014	416	5202.59	--	1542.21	--
46	2014-2015	48	700.12	--	7.83	--
47	2015-2016	22	2958.27	--	667.57	--
48	2016-2017	43	2323.95	--	2197.26	--
49	2017-2018	44	5108.19	--	3261.76	--
50	2018-2019	41	3701.43		2538.47	
T O T A L		7000	40578.11	789.57	23885.39	661.03

8.7 REC SCHEMES - ACHIEVEMENTS (PHYSICAL)

Electrified as on 31-03-2019

Sl.No	Particulars	Existing /Target (Nos.)	Achievement (Nos.)	Programmed to be released during 2019-20
1	2	3	4	5
1	SPV.Villages	3,725	3,725	0
2	General Hamlets	24,001	23,475	526
3	Pump-sets energization during 2018-19	1,00,000	86,430	67,903
4	Dalit Wadas/WSC/Tribal Habitations	65864	63849	2,015

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

1969- 70 TO 2018- 19 (SCHEME- WISE)

(Rs. in Crores)

Sl.No	Name of the Scheme	No. of Schemes	Loan amount Sanctioned	Loan Amount Released as on 31-03-2019
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)	483		
6	SI (Meters)	91		
7	SI (Transformers)	109	24790.7055	13382.09
8	SI (Conductors)	39		
9	SI (VCBs)	9		
10	SI (Lines)	91		
	SI (Bulk Loans)	28		
11	STL	69		
12	SPDGS	1		
13	CE(P)	2		
14	LT	8		
15	HVDS (Addl.Loan)	228	7062.9394	2670.24
16	APDRP & R-APDRP	178	1713.36369	1016.291
17	SPA: PE (Special Projects Agriculture)	3374	6550.7305	4089.47
18	DDG under RGVY	214	40.9176	9.47
19	DDUGJY	26	642.5230	551.10
20	REN-SPL	2		1000.00
21	Solar Pumpsets-Renewable Energy	3	111.8300	278.48
22	RPO(Renewable Purchase Obligation)	2	200.0000	200.00
23	OTHERS	10	156.8099	29.22
	TOTAL	7019	42831.04	24657.31

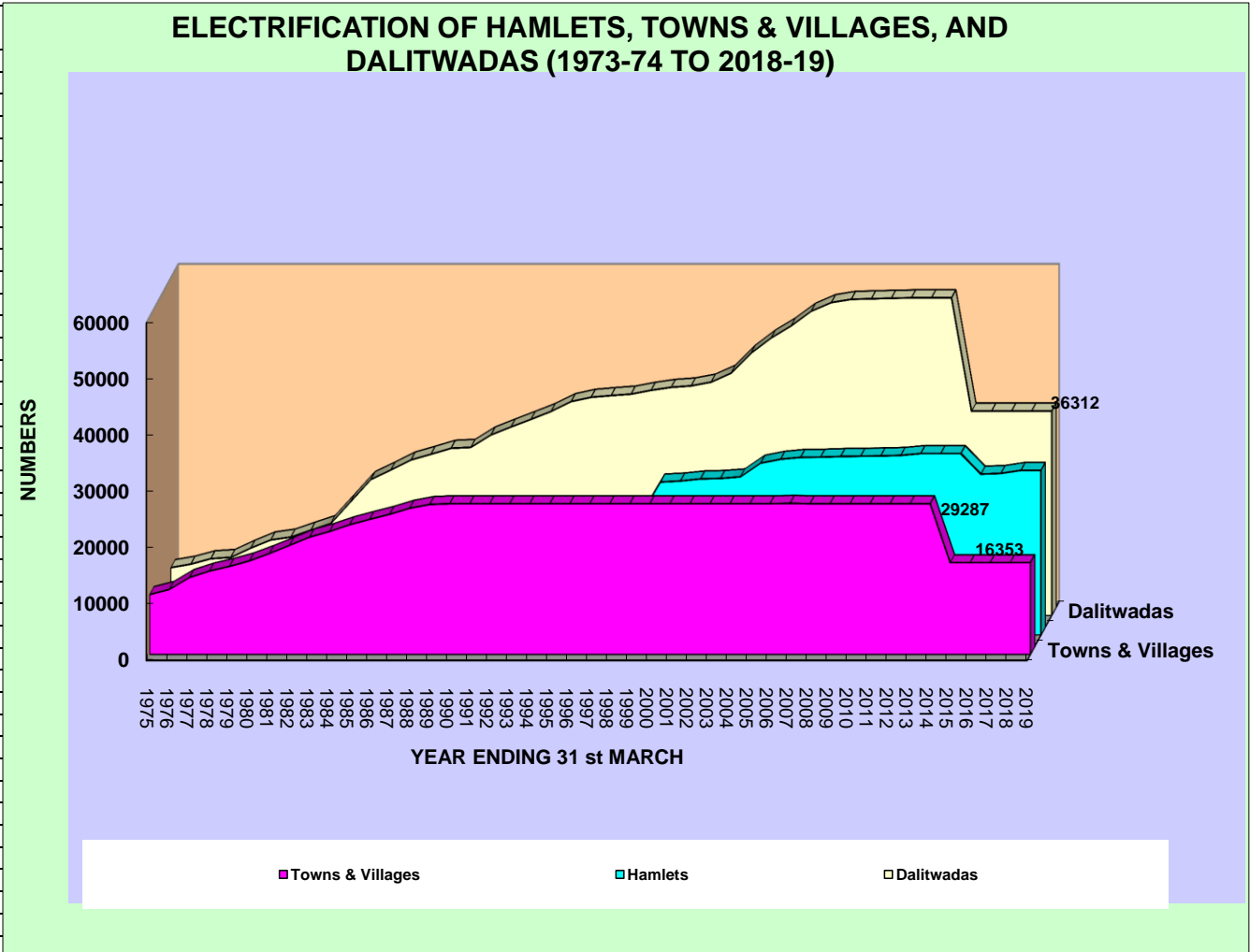
8.9 ACCIDENTS

Sl.No	Category	1982-83	1983-84	1984-85	1985-86	1986-87	1987-88	1988-89	1989-90	1990-91	1991-92	1992-93	1993-94	1994-95	1995-96	1996-97	1997-98	1998-99	2001-02*	2002-03	2003-04	2004-05
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	22	23	24	25
1.	DEPARTMENTAL																					
	A) Fatal	39	36	20	24	43	40	29	44	39	59	45	39	32	38	35	39	33	60	55	65	79
	B) Non-Fatal	160	135	89	89	52	86	80	91	82	119	123	81	82	98	83	73	71	43	61	61	47
	Total	199	171	109	113	95	126	109	135	121	178	168	120	114	136	118	112	104	103	116	126	126
2.	NON-DEPARTMENTAL																					
	A) Fatal	133	104	72	88	150	158	150	142	186	121	202	309	15	11	309	300	277	250	442	549	510
		(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)	(a-90)				
	B) Non-Fatal	51	31	24	43	33	29	54	46	13	2	4	28	20	11	56	42	46	73	96	150	120
	Total	184	135	96	131	183	187	204	188	199	123	206	337	35	22	365	342	323	323	538	699	630
3.	GRAND TOTAL																					
	A) Fatal	172	140	92	112	193	198	179	186	225	180	247	348	47	49	344	339	310	310	497	614	589
	B) Non-Fatal	211	166	113	132	85	115	134	137	95	121	127	109	102	109	139	115	117	116	157	211	167
	Total	383	306	205	244	278	313	313	323	320	301	374	457	149	158	483	454	427	426	654	825	756

Sl. No.	Category	1998-99			2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15#	2015-16	2016-17	2017-18	2018-19
		19			26	27	28	29	30	31	32	33	34	35	36	37	38	
1.	DEPARTMENTAL																	
	A) Fatal	33			77	108	66	71	101	178	343	171	27	18	317	22	13	7
	B) Non-Fatal	71			40	34	68	83	88	63	75	65	40	13	87	8	20	22
	Total	104			117	142	134	154	189	241	418	236	67	31	404	30	33	29
2.	NON-DEPARTMENTAL																	
	A) Fatal	277			595	472	673	887	826	774	554	903	895	391	114	265	598	610
		(a-90)													(a-212)	(a-200)	(a-312)	(a-347)
	B) Non-Fatal	46			142	78	117	166	195	161	87	123	133	68	12	10	90	126
	Total	323			737	550	790	1053	1021	935	641	1026	1028	459	126	275	688	736
3.	GRAND TOTAL																	
	A) Fatal	310			672	580	739	958	927	952	897	1074	922	409	431	287	611	617
	B) Non-Fatal	117			182	112	185	249	283	224	162	188	173	81	99	18	110	148
	Total	427			854	692	924	1207	1210	1176	1059	1262	1095	490	530	305	721	765

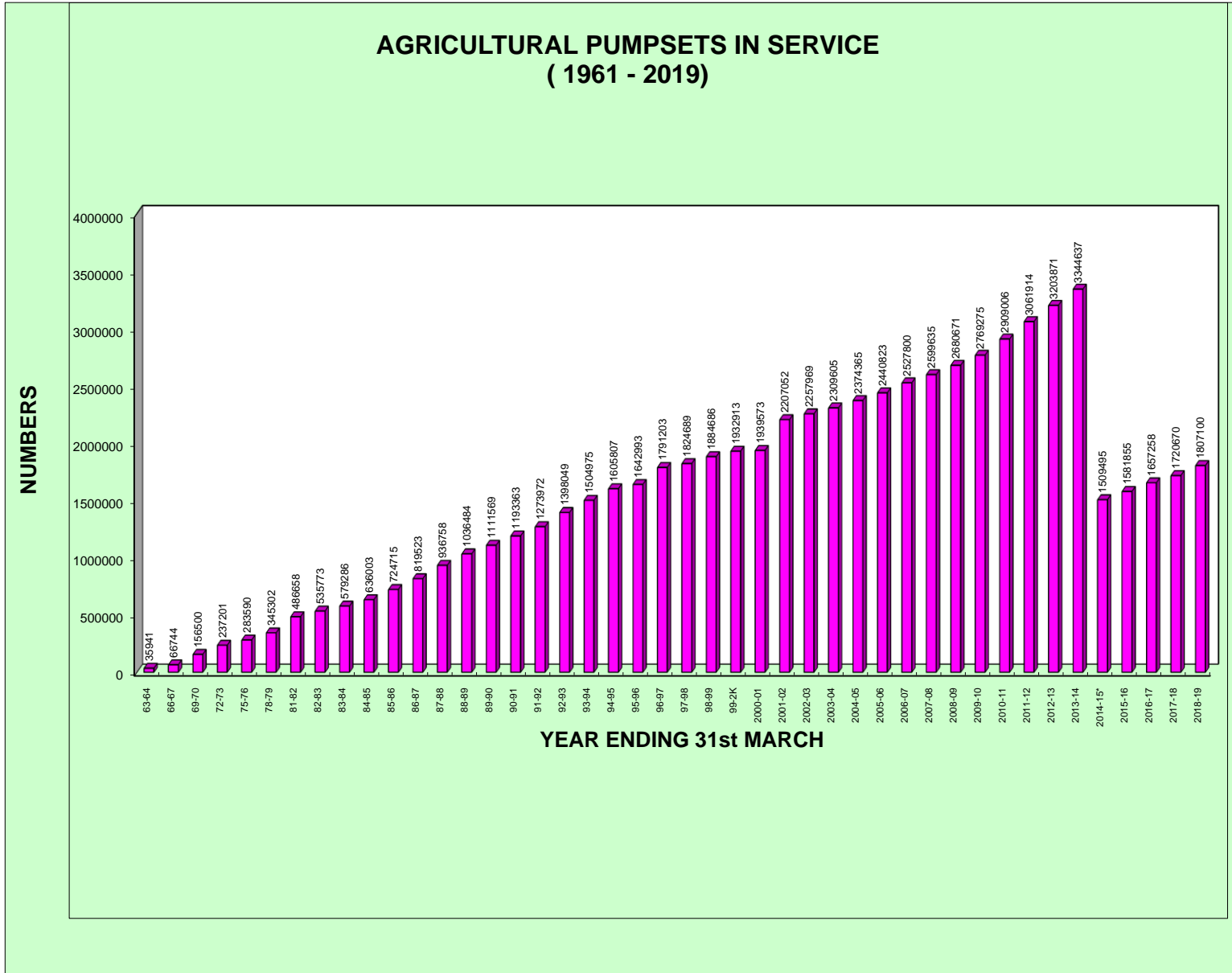
a = Animal
 NOTE: Fatal accidents to animals indicated at (a) above is not included in the total of Non- departmental accidents and in Grand total.
 * Data reconciled from 1999-2000 onwards(CPDCL data not available for the years 1999-00 to 2001-02)
 # Data for residual AP(Transco &Discoms)

Year	Hamlets	Towns & Villages	Dalitwadadas
1974	5086	10485	8146
1975	5357	10654	8501
1976	5377	11582	9121
1977	5514	13694	10085
1978	5753	14851	10318
1979	6123	15677	11979
1980	6568	16659	13433
1981	7243	17978	13935
1982	7798	19414	15169
1983	8310	20885	16348
1984	8875	21885	20264
1985	9681	23078	24180
1986	11135	24037	25874
1987	12801	24942	27651
1988	13643	26018	28667
1989	15071	26690	29718
1990	15904	26829	29899
1991	16578	26829	32095
1992	17400	26829	33505
1993	18910	26829	34862
1994	19702	26829	36257
1995	20902	26829	38007
1996	20956	26829	38772
1997	21036	26829	39074
1998	21193	26829	39337
1999	27209	26829	40021
2000	27391	26829	40537
2001	27762	26829	40797
2002	27849	26829	41466
2003	28134	26829	43052
2004	30560	26829	46616
2005	31253	26829	49298
2006	31593	26829	51440
2007	31622	26877	54042
2008	31741	26823	55572
2009	31799	26823	56156
2010	31838	26823	56239
2011	31940	26823	56340
2012	32271	26823	56408
2013	32271	26823	56408
2014	32271	26823	56415
2015	28611	16353	36309
2016	28739	16353	36312
2017	29282	16353	36312
2018	29287	16353	36312
2019	29287	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
2017-18	1720670
2018-19	1807100

* From 2014-15 data pertains to 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 Voluntary 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 Vidyt Bonds liability taken over by GOAP. Hence, the same are included under both repayments and receipts.

9.1 PATTERN OF FINANCING (APTRANSCO)

Rs. Crores

SL.No.	Description	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15
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.pumpssets	-	-	-	-	-	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	2017-18	2018-19
A.	CAPITAL EXPENDITURE	968.70	2148.45	2300.44	1412.15	1966.89
A1.	DEBT REPAYMENT					
1.	Government (From 2004-05 excl. Swapping)	2.14	2.14	2.43	1.72	4.73
2	REC Ltd	51.87	75.28	100.31	191.7	363.04
3	PFC Ltd	84.94	39.65	48.58	47.69	39.99
4	others./Banks	80.76	76.05	235.04	60.75	323.17
	TOTAL CAPITAL OUTGOINGS	1188.41	2341.57	2686.80	1714.01	2697.82
B	CAPITAL RECEIPTS					
1.	Government Loans	0.00	0.00	0	268.14	119.21
2.	C E A					
3.	Open Market Loan					
4.	REC	511.87	1096.04	1002.21	758.14	1305.95
5.	L.I.C					
6.	Banks & Others including Voluntary Loan Repayment	151.05	154.88	236.19	73.67	81.53
7.	I.D.B.I.					
8.	P.F.C.	35.33	185.02	214.26	64.4	203.96
9.	B.H.E.L./SIDBI					
10.	Assistance from Central sponsored Scheme					
11.	Contribution to Depreciation	251.22	274.06	335.95	468.55	544.79
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	78.74	198.19
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	2.37	244.19
	TOTAL	1188.41	2341.57	2686.80	1714.01	2697.82

9.2 Abstract Balance Sheet (T+D) as on 31st March 2019

(Rs. in Crores)

Particulars	Total (T+D)	Particulars	Total (T+D)
<u>LIABILITIES:</u>		<u>ASSETS</u>	
Loans from Government	426.84	Fixed Assets	33793.05
Equity from Government	934.39	Accumulated Depreciation	(13301.12)
Deferred Tax Liability	141.04	Works-in-progress	5910.84
Cash Credit, OD & other short term borrowings	3377.94	Other Assets	5185.30
Other Grants	9114.98		
Consumer Contribution	4897.50	Investments	
Long term Capital Liabilities		Equity in Joint Ventures	467.32
APSEB Bonds & Vidyut Bonds	0.00	Others	185.78
LIC	125.00	Current Assets	
REC & SPA	9093.74	Stocks	381.39
PFC	4683.30	Cash and Bank Balances	8765.44
Inter Corporate Funds	0.00	Receivable against supply of power	910.23
VLC	102.31	Loans and Advances	11157.93
Banks & Others	637.01	Sundry Receivables	7172.67
Long Term Provisions	2682.76	Deferred Tax Asset	0.00
Other Long term liabilities	2174.60		
Reserves and Reserve Fund			
Reserves	785.25		
Reserve Funds (PF & Pen.SF)	396.62		
Security Deposit from Consumers	4820.11		
Current Liabilities	43522.07		
Surplus	(27286.63)		
Total Liabilities:	60628.83	Total Assets:	60628.83

9.2 Abstract Balance Sheet (T+D) as on 31st March 2019

(Rs. in Crores)

Particulars	Transco	EPDCL	SPDCL	Total (T+D)	Particulars	Transco	EPDCL	SPDCL	Total (T+D)
LIABILITIES:					ASSETS				
Loans from Government	387.10	30.26	9.48	426.84	Fixed Assets	12829.64	4840.00	16123.41	33793.05
Equity from Government	454.44	121.23	358.72	934.39	Accumulated Depreciation	(4344.23)	(1056.60)	(7900.29)	(13301.12)
Deferred Tax Liability	138.84	2.20	0.00	141.04	Works-in-progress	1965.28	487.62	3457.94	5910.84
Cash Credit/OD & other short term borrowings	1051.69	551.81	1774.44	3377.94	Other Assets	574.50	4306.33	304.47	5185.30
Other Grants	392.22	3465.74	5257.02	9114.98	Loans to Discoms	0.00	0.00	0.00	0.00
Consumer Contribution	715.74	1622.95	2558.81	4897.50	Investments				
Long term Capital Liabilities					Equity in Joint ventures and Subsidiaries	33.14	146.75	287.43	467.32
APSEB Bonds & Vidyut Bonds	0.00	0.00	0.00	0.00	Others	93.30	92.48		185.78
LIC	0.00	0.00	0.00	0.00					
PTC	0.00	125.00	0.00	125.00	Current Assets				
REC	2945.31	1152.07	4996.36	9093.74	Stocks	129.14	187.01	65.24	381.39
PFC	1644.01	658.54	2380.75	4683.30	Receivable against supply of power		0.00	0.00	0.00
Inter Corporate Funds	0.00	0.00	0.00	0.00	Other current Assets	488.12	75.27	8202.05	8765.44
VLC	0.00	0.00	0.00	0.00	Cash and Bank Balances	333.14	150.05	427.04	910.23
NABARD Funds	102.31	0.00	0.00	102.31	Loans and Advances	1000.00	2472.53	7685.40	11157.93
Banks & Others	264.25	0.00	372.76	637.01	Sundry Receivables	413.19	2193.26	4566.22	7172.67
Long term provisions	352.45	681.52	1648.79	2682.76					
Other long term liabilities	115.28	415.99	1643.33	2174.60	Defferred Tax Asset	0.00	0.00	0.00	0.00
Reserves and Reserve Fund									
Reserves	941.37	(432.00)	275.88	785.25					
Reserve Funds (PF & Pen.SF, CR)	236.61	116.58	43.42	396.61					
Security Deposit from Consumers	0.00	1762.88	3057.23	4820.11					
Current Liabilities	2345.22	11161.92	30014.93	43522.07					
Surplus	1428.38	(7542.00)	(21173.01)	(27286.63)					
Total Liabilities:	13515.22	13894.69	33218.91	60628.82	Total Assets:	13515.22	13894.70	33218.91	60628.83

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
	2.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
	3.Miscellaneous(including NTL&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
	4.Transmission and SLDC Charges (Annual fee,Open Access)	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
	5.Other income								9.73	23.64	43.71	37.29	54.08	97.56	138.23	217.83	1089.99	842.6
	6.Capital contribution								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 (Less Depreciation)	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)
	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 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				18.50	5.64	4.50	29.49	14.00	18.94	22.7	35.33	36.54	74.80	103.29	32.28	0.00	28.59
	Provision for Tax															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	2017-18	2018-19
	REVENUE RECEIPTS				
	1.By sale of Power	18709.98	20304.16	23949.72	26596.22
	By sale of power-Inter state	564.17	191.04	570.46	774.07
	2.Miscellaneous(including NTI&ED)	400.05	489.7	589.13	431.93
	3.Subsidy	3186	3289.42	4679.08	6193.74
A)	4.Transmission and SLDC Charges (Annual fee,Open Access)	842.6	981.96	1432.71	1576.75
	5.Other income	774.65	1034.65	1041.36	1576.66
	6.Capital contribution	397.81	458.16	535.63	656.19
	TOTAL (A)	24875.26	26749.09	32798.09	37805.56
B)	REVENUE EXPENDITURE				
	1.Power Purchase	21745.39	22447.31	25435.28	39036.79
	2.O&M Expenses	225.96	725.37	657.81	927.98
	3.Establishment, General & office expenses	3073.82	2503.05	3110.49	5351.76
	4.State Electricity Duty.	182.6	196.38	128.93	239.41
	5.Others (RBDD)				
	6. Prior period Charges(Credits)	(1.60)	73.44	0	0
	7 Expenses capitalised				
	8.Incentive to HT Consumers	0	0	0	0
	9.other debits	21.75	96.9	127.86	333.42
	10.Transmission and SLDC Charges	723.4	0	0	0
	TOTAL (B)	25971.32	26042.45	29460.37	45889.36
	GROSS OPERATING RESULTS (A-B)	(1096.06)	706.64	3337.72	(8083.80)
C)	OTHER EXPENSES				
	1.Depreciation	1263.36	1425.49	1598.09	1836.07
	2.Balance Surplus	(2359.42)	(718.85)	1739.63	(9919.87)
	(Less Depreciation)				
	3.Interest Charges :				
	a)On Loans from Institutional creditors	1651.48	958.36	1381.22	1599.13
	b)On Loans from				
	State Government	0.48	685.06	518.81	645.72
	c)Less: IDC	246.15	102.73	284.22	296.24
	TOTAL Interest charges	1405.81	1540.69	1615.81	1948.61
	Extraordinary items	0	86.83	0.00	0.00
	Contingency Reserve	2.55	2.42	2.52	0
	TOTAL SURPLUS/LOSSES	(3767.78)	(2175.13)	121.30	(11868.48)
	MAT credit entitlement of earlier years	28.59	24.11	13.89	4.54
	Provision for Tax	28.59	33.47	35.92	4.54
	Provision for deferred tax	48.51	53.01	65.98	(4.23)
	NET SURPLUS/ (DEFICIT)	(3816.29)	(2237.50)	33.29	11864.25

9.3.(A). Revenue Receipts and Expenditure (T+D) for the year 2018-19

(RS in crores)

Particulars	TRANSCO	EPDCL	SPDCL	Total (D)	Total (T+D)
A. Revenue Receipts					
Sale of Power	0.00	9843.64	16752.58	26596.22	26596.22
Sale of Power - Interstate/UI/inter Discom	0.00	184.76	589.31	774.07	774.07
Miscellaneous	0.00	355.64	76.29	431.93	431.93
Transmission & SLDC Charges - Discoms	0.00	0.00	0.00	0.00	0.00
Transmission & SLDC Charges - others (incl. Annual fee, Open Access)	1576.75	0.00	0.00	0.00	1576.75
Capital Contributions	62.76	212.97	380.46	593.43	656.19
Other income	140.85	498.64	937.17	1435.81	1576.66
Subsidy	0.00	1115.24	5078.50	6193.74	6193.74
Total Revenue:	1780.36	12210.89	23814.31	36025.20	37805.56
B. Revenue expenditure:					
Purchase of power	0.00	13580.16	25456.63	39036.79	39036.79
Transmission & SLDC Charges	0.00	0.00	0.00	0.00	0.00
O & M Expenses	285.76	162.54	479.68	642.22	927.98
Establishment (incl. Adm & Gen. Exp)	444.37	1444.98	3462.41	4907.39	5351.76
State Electricity Duty	0.00	99.24	140.17	239.41	239.41
Incentive to HT consumers	0.00	0.00		0.00	0.00
Other Debits	1.40	332.02	0.00	332.02	333.42
Prior Period Charges/ (Credits)	0.00	0.00		0.00	0.00
Total B	731.53	15618.94	29538.89	45157.83	45889.36
Gross operating results (A - B)	1048.83	(3408.05)	(5724.58)	(9132.63)	(8083.80)
C. Other Expenses:					
Depreciation	607.55	401.75	826.77	1228.52	1836.07
Balance Surplus (Less Depreciation)	441.28	(3809.80)	(6551.35)	(10361.15)	(9919.87)
Interest & finance Charges					
On loans from Institutions & others	511.13	443.19	644.81	1088.00	1599.13
from State Govt.	0.00	0.00	645.72	645.72	645.72
Less: IDC	135.22	0.00	161.02	161.02	296.24
Total Interest & finance Charges	375.91	443.19	1129.51	1572.70	1948.61
Extraordinary items				0.00	0.00
Contingency Reserve	0.00	0.00	0.00	0.00	0.00
Total Surplus	65.37	(4252.99)	(7680.86)	(11933.85)	(11868.48)
MAT credit entitlement of earlier yeas	4.54	0.00	0.00	0.00	4.54
Provision for Tax/(MAT credit)	4.54	0.00	0.00	0.00	4.54
Provision for Deferred Tax/(Deferred Tax Asset)	(4.23)	0.00	0.00	0.00	(4.23)
Net Surplus / (Deficit)	69.60	(4252.99)	(7680.86)	(11933.85)	(11864.25)

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

SI.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 Expneses	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	100	100	100	100	100	100	100	100	100	100	100	100	100
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 2018-19)

Sl.No.	I t e m s	2014-15	2015-16	2016-17	2017-18	2018-19
		%	%	%	%	%
A)	REVENUE RECEIPTS					
1	By Sale of Power	70.78	75.22	75.91	73.02	70.35
1(a)	By interstate sale of power	2.43	2.27	0.71	1.74	2.05
2	Miscellaneous	1.42	1.61	1.83	1.8	1.14
3	Subsidy	13.08	12.81	12.3	14.27	16.38
4	Others	6.25	3.11	3.87	3.18	4.17
5	Capital Contributions	1.49	1.6	1.71	1.63	1.74
6	Transmission and SLDC Charges	4.56	3.39	3.67	4.37	4.17
	TOTAL (A)	100.0	100.0	100.0	100.0	100.0
B)	REVENUE EXPENDITURE					
1	Power Purchase	72.61	75.92	77.38	77.84	78.59
2	O&M Expenses	1.42	0.79	2.50	2.02	1.87
3	Establishment, General & office Exp	13.32	10.73	8.63	9.52	10.77
4	Central Electricity/ State Electricity Duty	0.62	0.64	0.68	0.39	0.48
5	Net prior period charges	0.00	(0.01)	0.25	0.00	0.00
6	Expenses capitalised					
7	Others	0.69	0.08	0.33	0.39	0.67
8	Incentives to HT consumers	0	0.00	0.00	0.00	0.00
9	Transmission and SLDC Charges	2.99	2.53	0.00	0.00	0.00
C)	OTHER EXPENSES					
1	Depreciation	4.29	4.41	4.91	4.89	3.70
2	Interest Charges	4.05	4.91	5.31	4.94	3.92
3	Taxes	0.00	0	0.00	0.00	0.00
4	Contingency Reserve	0.01	0.01	0.01	0.01	(0.01)
	TOTAL (B + C)	100.0	100.0	100.0	100.00	100.00

**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
37	2017-18			411.00	2017-18	411.00	468.81	440.00
38	2018-19			529.00	2018-19	529.00	614.00	589.00

* Provisional Data

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
19	2017-18	1.937	303.77	680.81	443.72
19	2018-19	4.47	324.67	659.57	451.11

9.6 COST OF COAL AS ON 31-03-2019				
Sl.No.	Thermal Station	Source of supply	(Rs. / Metric Ton)	GRADE
1	R.T.P.P	SCCL		
	SSCL	Yellandu	4099.00	G13
		Yellandu	4099.00	G13
		Yellandu	3987.00	G15
		Rudrampur	6207.00	G7
		Rudrampur	3978.00	G13
		Rudrampur	6262.00	G8
		Manuguru	6740.00	G7
		Ramagundam	6262.00	G8
		Ramagundam	3846.00	G13
		Mandarri	4716.00	G11
		Mancherial (Sri Rampur)	5484.00	G9
		Manuguru	5520.00	G9
		Manuguru	4045.00	G13
		Manuguru	6251.00	G9
		Tadikalapudi	4000.00	G13
		Rechini Road	5364.00	G10
			MCL	
	MCL	All Rail route	4342.00	G12
			4521.00	G13
			4207.00	G14
2	Dr.NTTPS	SCCL		
		Yellandu	4076.00	G13
		Yellandu	3002.00	G15
		Rudrampur	4004.00	G13
		Rudrampur	6511.00	G8
		Rudrampur	6063.00	G7
		Manuguru	6711.00	G7
		Manuguru	6099.00	G9
		Manuguru	4069.00	G13
		Ramagundam,	6436.00	G8
		Sri Rampur	6293.00	G9
		Ramagundam,	4189.00	G13
		Mandamari	5302.00	G11
		Tadikalapudi	3978.00	G13
		Asifabad	6287.00	G10
		MCL,		
		All rail route	3771.00	G10
			3685.00	G11
			3599.00	G12
			3513.00	G13

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

9.7 COST OF OILS AS ON 31-03-2019				
		Furnace Oil (Rs/Kl)	HSD Oil (Rs/Kl)	LDO(Rs/Kl)
1	(Dr.NTTPS) V.T.P.S	40233.00	72925.00	-
2	R.T.P.P	41384.00	-	53495.00

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

9.8 RATES OF POWER PURCHASE (Provl)

S .No.	Source	Period		Rate Ps/Kwh		Remarks					
		From	To								
1	Neyveli Lignite Corpn Thermal St-II	1.4.86	31.3.87	51.00							
		1.4.87	31.3.88	52.00							
		1.4.88	31.3.89	53.00							
		1.4.89	31.3.90	54.00							
		1.4.90	31.3.91	55.00							
		1.4.91	31.3.92	61.00	114.00						
		1.4.92	31.3.93	65.58	118.76						
		1.4.93	26.8.93	67.58	119.76						
		27.8.93	1.4.94	69.59	122.45						
		1.4.94	31.3.95	76.35	131.37						
		1.4.95	31.3.96	78.35	132.37						
		1.4.96	31.3.97	91.25	141.33						
		1.4.97	31.3.99	94.90	144.97						
		1.4.98	31.3.99	98.91	149.46						
		1.4.99	31.3.2k	103.31	153.90						
		1.4.2k	31.3.01	108.16	158.80						
		(Provisional rate in the absence of renewal of Agreement)									
				1.4.01	31.12.03	115.60	169.11				
			ABT Cap.charges	1.1.03		47.61	74.50				
			ABT Egy.charges	1.1.03		67.99	94.61				
						115.60	169.11				
			ABT Egy.charges	1.1.04	31.5.04	115.60	169.11				
				1.6.04	31.3.05	115.60	169.11				
			Stage-I	4/05'	10/05'F.C	47.61					
					V.C	67.99					
			Stage-II		F.C	74.50					
					V.C	94.61					
			Stage-I	11/05'	3/06'F.C	37.50					
			V.C	114.08							
	Stage-II		F.C	72.10							
			V.C	114.08							
	Stage-I	06-07'	FC	31.12							
			VC	114.08							
	Stage-II		FC	45.32							
			VC	114.08							
	Stage-I	07-08'	FC	27.72							
			VC	121.00							
	Stage-II		FC	27.72							
			VC	121.00							
	Stage-I	08-09'	FC	32.70							
			VC	121.00							
	Stage-II		FC	35.20							
			VC	121.00							
	Stage-I	10-11	FC	34.16							
			VC	121.00							
	Stage-II		FC	36.54							
			VC	121.00							
NLC	Stage-I	11-12	FC	53.54							
			VC	179.92							
	Stage-II		FC	55.99							
			VC	180.14							
NLC	Stage-I	12-13	FC	64.27							
			VC	197.74							
	Stage-II		FC	64.02							
			VC	215.53							
NLC	Stage-I	13-14	FC	73.53							
			VC	215.21							
	Stage-II		FC	71.09							
			VC	205.37							
NLC	Stage-I	14-15		315.44							
	Stage-II	14-15		306.62							

9.8 RATES OF POWER PURCHASE (Provl)

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							
NLC	Stage-I	17-18	FC	99.40	402.42					
	VC		303.02							
	Stage-II	17-18	FC	84.93	384.80					
	VC		299.87							
NLC	Stage-I	18-19	FC	256.89	353.64					
			VC	691.56						
	Stage-II	18-19	FC	450.65	347.27					
			VC	130.13						
2	Madras Atomic Power Station (NPC)	21.3.86	31.3.91	44.48		** Period		FAC(Ps)		
				+FAC		1.4.92 onwards	11.57	paise		
						1.4.93 onwards	13.47	paise		
						1.8.93 onwards	13.96	paise		
						1.12.93 onwards	14.06	paise		
						1.4.94 onwards	15.76	paise		
						1.8.94 onwards	17.10	paise		
						1.11.94 onwards	17.55	paise		
						1.12.94 onwards	17.60	paise		
						1.2.95 onwards	17.62	paise		
						1.4.95 30.11.95	17.63	paise		
						1.12.95 28.2.95	18.09	paise		
						1.3.96 31.7.96	18.25	paise		
						1.8.96 30.11.96	2.03	paise		
						1.12.96 onwards	4.62	paise		
						+HWAC 11.4.97 onwards	17.07	paise		
						+HWAC 1.11.97 onwards	17.11	paise		
						+FAC 1.4.98 31.10.98	17.28	paise		
						+HWAC 1.11.98 31.3.99	19.76	paise		
						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)		
						+HWAC (Fuel adjustment charges(FAC) includes decommissioning charges,				
						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				
						135.69 (FAC on 31.3.91 : 14.23 Ps)				
						+FAC				
						+HWAC Fuel Adjustment charges(FAC)				
					210.51 includes above charges.					
					+FAC The basic cost adopted for Uos is Rs4700/Kg,					
					+HWAC for Heavy Water Rs.5783/Kg and					
					210.51 Heavy water lease at 12% of Rs.5783/Kg.					
					+HWAC (FAC as on 31.3.91 : 8.55 ps)					
					2.41					
					212.92					
					210.51					
					+FAC 1.21					
					+HWAC 2.41					
					214.13					
					210.51					
					+FAC 1.21					
					+HWAC 4.58					
					5.79					
					210.51					
					+FAC 4.73					
					+HWAC 4.58					
					219.82					

9.8 RATES OF POWER PURCHASE

SI.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		
	2017-18		279.99		
	2018-19		279.25		

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		
		2017-18		365.57		
		2018-19		375.54		
4	NTPC(SR) - III	2005-06		235.14 Cr.		(+) or (-) FSA (add) varies from month to month
		2006-07	FC	Var. 109.92 Cr.		
		2008-09		235.14 Cr.		
				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		
			VC	228.04		
		2016-17	FC	96.43		
			VC	222.44		
		2017-18	FC	66.32		
			VC	245.12		
		2018-19	FC	428		
			VC	108		
				342.57		
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 finalised 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 tariff as per Govt. of India notification No.3/19 (iii)/92-US(CT), Dt.2.11.92 (Avg. rate varies from month to month)	
		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.		
		9/04	12/04	465.31 Cr	From 4/04 onwards(Revised)	
		1/05	6/05	466.55 Cr		
			7/05	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 Cr	(+) or (-) FSA (add) varies from month to month	
		06 - 07'	FC	460.76 Cr		
				Vari.ch: 82.84 Cr		
		07-08'	FC	470.3 Cr		
				Vari.ch 82.84 Cr		
				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		
			VC	223.81	275.17	
		2016-17	FC	77.86		
			VC	222.50	300.36	
		2017-18	FC	70.70	317.06	
			VC	246.35		
		2018-19	FC	161		
			VC	445	342.94	

9.8 RATES OF POWER PURCHASE

Sl.No.	Source	Period		Rate Ps/Kwh	Remarks		
		From	To				
Average rate billed from 1.11.92 (including FAC):							
6	SIMHADRI	4/96-3/97		88.08			
		4/97-3/98		108.79			
		4/98-3/99	(Provl)	119.04			
		4/99-3/2k	(Provl)	126.63			
		4/2k-3/01	(Provl)	129.05			
		4/01-3/02	(Provl)	132.55			
		4/02	3/03	130.90			
		4/03	3/04	122.92			
		4/04	3/05(provl)	143.71			
		3/05	9/05	Vari.Ch:	79.62	(Avg. rate varied from month to month)	
		10/05	12/05	452	Cr PA	(Avg. rate varied from month to month)	
		01/06 on wards		452.36	Cr PA	(Avg. rate varied from month to month)	
		06-07'	FC	458.10	Cr		
				Var.chr	77.12		
		2007-08	FC	458.72	Cr		
				Vari.Ch:	77.12		
				FPA	27.08		
		2008-09			193.70		
		2009-10			236.90		
		2010-11			232.77		
		2011-12	Stage I		314.72		
		2011-12	Stage II		380.00		
		2012-13	Stage I		343.11		
		2012-13	Stage II		382.09		
		2013-14	Stage I		356.82		
		2013-14	Stage II		414.72		
		2014-15	Stage I		368.02		
		2014-15	Stage II		421.39		
		2015-16	Stage I		346.00		
		2015-16	Stage II		393.00		
		2016-17	Stage I		384.00		
			Stage II		437.00		
		2017-18	Stage I		449.00		
			Stage II		488.00		
2018-19	Stage I		501.42				
	Stage II		584.69				
7	TALCHER-II & III	8/03 to	Fixed	278.9 cr P.A			
		2/04	VC	44.02 ps			
		3/04	Fixed	564.67 Cr.PA			
			VC	44.02 ps			
		4/04 to	Fixed	564.67 Cr.PA			
		10/04	VC	42.26 ps			
		11/04 to	Fixed	690.54 cr.P.A			
		7/05	VC	42.86 ps			
		8/05 on wards. FC		990.73	Cr.P.A		
			VC	42.86 ps			
		From '2/06 FC		208.44	Cr.P.A		
			VC	52.35			
		06-07'	FC	990.7265	Cr.P.A	(+) or (-) FSA (add) varies	
			VC	50.82			
		2007-08	FC	898.55	Cr.P.A		
			VC	58.73	Ps		
			FPA	16.75	Ps		
		2008-09			154.1		
		2009-10			212.77		
		2010-11			238.30		
		2011-12			283.98		
		2012-13			240.95		
		2013-14			238.75		
		2014-15			232.89		
		TALCHER-II			205.00		
		2016-17			256.00		
		2017-18			228.00		
		2018-19			257.91		
		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			
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			
2017-18				355.00			
2018-19				391.6544244			

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			
		2017-18		307.00			
		2018-19		327.75			
		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	Un-utilised portion of APGPCL	
		11/04	3/05	129.00	TRANSCO		
		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	Demand ch. At Rs.75/KVA		
	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	
IPPs					
1	M/s.Lanco Kondaply	2000-01		433.00	
		2001-02		343.00	
		2002-03		231.00	
		2003-04		253.00	
		2004-05	(Provl)	256.00	
		2005-06	(Provl)	252.89	
		2006-07		331.30	
		2007-08		362.48	
		2008-09		548.50	
		2009-10		311.59	
		2010-11		332.02	
		2011-12		362.07	
		2012-13		442.52	
		2013-14		382.85	
		2014-15		870.45	
		2015-16		652.96	
		2016-17		454.00	
		2017-18		323.00	
		2018-19		309.00	
		2	Spectrum Power	2014-15	
2015-16				533.75	
2016-17				347.15	
2017-18				332.14	
2018-19				298.00	
3	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	
		2017-18		327.00	
2018-19		379.25			
4	Semb coop energy India Ltd(Thermal Powertech Corporation India)	2015-16		592.00	
		2016-17		367.00	
		2017-18		361.00	
		2018-19		394.17	
5	Vemagiri Power	2016-17		465.00	
6	GVK Extension	2016-17		465.00	
7	GMR Rajamundry Energy	2016-17		465.00	
8	Lanco Kondapalli Phase-II	2016-17		465.00	
9	Hinduja National Power Corporation Ltd	2016-17		372.00	
		2017-18		382.00	
		2018-19		382.00	
10	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	
		2016-17		390.17	
11	N.V.V.N.L.	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			

9.8 RATES OF POWER PURCHASE				
Sl.No	Source	Period	Rate Ps/Kwh	Remarks
		From	To	
1	2	3	4	5
12	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
13	M/s.Adani Enterprises Ltd	2016-17		545.00
		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
14	M/s.JSW PTC ltd	2015-16		433.00
		2016-17		445.00
		2007-08		547.06
		2008-09		776.00
		2009-10		551.70
		2010-11		512.75
		2011-12		325.86
		2012-13		552.27
		2013-14		617.75
15	Sri Sarvaraya Sugars Ltd	2014-15		599.01
		2015-16		609.00
		2016-17		607.00
16	Indian Energy Exchange	2014-15		545.00
		2015-16		545.00
		2016-17		545.00
		2014-15		608.00
17	GMR Energy trading Ltd	2015-16		474.00
		2016-17		400.00
		2017-18		409.00
		2018-19		487.68
		2014-15		516.00
18	Rain CII Corbon Vizag Ltd	2015-16		452.00
		2016-17		445.00
		2018-19		377.66
19	Sree Rayalaseema Hi-Strength Hyp Ltd	2015-16		545.00
		2016-17		586.00
20	Shri Girija Alloy & Power Ltd	2015-16		545.00
		2016-17		545.00
		2017-18		401.00
		2014-15		559.00
21	BMM cements	2015-16		545.00
		2016-17		630.00
		2014-15		588.00
22	NSL Sugars Ltd	2015-16		616.00
		2016-17		768.00
		2014-15		547.00
23	Sarda Metal and Alloys Ltd	2015-16		545.00
		2016-17		520.00
		2017-18		433.00
		2018-19		
24	Anrak Aluminium Ltd	2014-15		545.00
		2015-16		544.00
		2016-17		545.00
25	Mittal Processors Ltd	2014-15		565.00
		2015-16		568.00
		2016-17		537.00
		2018-19		378.32
26	Shree cements	2014-15		367.00
		2015-16		406.00
		2016-17		436.00
27	ITC Ltd	2014-15		244.00
		2015-16		265.00
		2016-17		246.00
28	Steel Exchange India Ltd	2014-15		545.00
		2015-16		545.00
		2016-17		559.00
		2017-18		421.00
29	Venkataraya Power Ltd(Trading)	2014-15		371.00
		2015-16		545.00
		2016-17		545.00

9.8 RATES OF POWER PURCHASE					
Sl.No	Source	Period		Rate Ps/Kwh	Remarks
1	2	From	To	5	
		3	4	5	
30	Knowledge Infrastructure Systems Ltd	2014-15		491.00	
		2015-16		486.00	
		2016-17		531.00	
		2005-06		321.00	(Provi)
31	Non-conventional	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	
		2013-14		412.47	
		2014-15		438.73	
		2015-16		468.00	
		2016-17		473.00	
		2017-18		423.00	
		2018-19		464.66	
		32	KSK Mahanadi Power Co Ltd	2015-16	
2016-17				407.00	
2017-18				378.00	
2018-19				367.32	
33	Simhapuri Energy Ltd	2016-17		363.00	
34	NTPC (VVNL)	2016-17		458.00	
35	Ultratech Cement	2014-15		548.00	
		2015-16		544.00	
36	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	
37	M/S LVS	2005-06		123.10	Only Fixed Cost is Paid
		2006-07		109.70	
		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	
38	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)
		2003-04		100.00	
		2004-05		176.00	
		2005-06		176.00	
		2006-07		200.53	
		1998-99		212.50	
		39	M/s.Navabharat Ferro Alloys	1999-2k	
2000-01				212.50	
2001-02				2.08	
2002-03				2.08	
2003-04				176.00	
2004-05				176.00	
2005-06				176.00	
2006-07				176.00	
40	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	
41	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	

9.8 RATES OF POWER PURCHASE					
SI.No	Source	Period		Rate Ps/Kwh	Remarks
		From	To		
1	2	3	4	5	
42	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)
43	M/s.RETL	2006-07		266.00	
		2007-08		263.00	
		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	
44	M/s.LEUL(NETSL)	2014-15		551.40	
		2015-16		545.00	
		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	
45	M/s.VISA Power ltd	2014-15		535.14	
		2007-08		670.00	
		2008-09		0.00	
46	M/s.Sitapuram Power Projects Ltd	2009-10		0.00	
		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	
		2014-15		579.25	
47	M/s.Kalyani power ltd	2007-08		714.00	
48	M/s.Patni Power Projects	2007-08		709.00	
49	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	
		2012-13		0.00	
50	Vijayanagar sugars Pvt Ltd	2014-15		629.00	
51	Core green Sugar & Fuels Pvt Ltd	2014-15		628.00	
52	Jaypee Balaji Cement	2014-15		545.00	
		2015-16		545.00	
53	Manikram Power Ltd	2014-15		580.00	
		2015-16		361.00	
54	RVK Energy Ltd	2014-15		552.00	
55	Madhucon Sugars	2014-15		549.00	
56	Ramco Cements Ltd	2014-15		540.00	
		2015-16		545.00	
57	Global energy Ltd (Trading)	2014-15		547.00	
58	Kusa Lava Power Ltd	2014-15		538.00	
59	NSL Krishna veni sugars	2014-15		554.00	
60	NTPC Aravali power,Delhi	2014-15		582.00	
		2015-16		569.00	
61	Laxmi Tulasi Agro Paper Pvt Ltd	2014-15		553.00	
62	Bharathi cements Ltd	2014-15		545.00	
		2015-16		545.00	
63	KCP Limited	2014-15		500.00	
		2015-16		535.00	
64	Sri Sai sindhu Industries	2014-15		554.00	
		2015-16		559.00	
65	Instinct Infra & Power Ltd	2014-15		382.00	
		2015-16		447.00	
66	My Home Industries Ltd	2014-15		563.00	
67	Jindal Power	2014-15		408.00	
68	HCL Agro Industries	2014-15		545.00	
69	Blue ocean Bio tech Ltd	2014-15		536.00	
		2015-16		534.00	
70	National Energy Trading Services Ltd	2015-16		537.00	
71	GMR Rajahmundry Eng Ltd(GREL)	2015-16		479.00	
72	Greenko Energies Pvt Ltd	2015-16		545.00	

9.8 RATES OF POWER PURCHASE				
Sl.No	Source	Period	Rate Ps/Kwh	Remarks
1	2	From	To	5
73	M/s.GVK Industries	1996-97		252.00
		1997-98		227.00
		1998-99		220.00
		1999-2k		206.60
		2000-01		207.60
		2001-02		223.00
		2002-03		213.00
		2003-04		224.00
		2004-05	(Provl)	228.00
		2005-06	(Provl)	235.24
		2006-07		250.69
		2007-08		249.72
		2008-09		282.20
		2009-10		204.81
		2010-11		263.42
		2011-12		284.33
		2012-13		318.33
2013-14		328.61		
2014-15		458.45		
2015-16		524.18		
2016-17		511.00		
74	M/s.SPG Ltd	1997-98		267.90
		1998-99		218.00
		1999-2k		202.30
		2000-01		206.60
		2001-02		215.00
		2002-03		241.00
		2003-04		252.00
		2004-05	(Provl)	220.00
		2005-06	(Provl)	223.91
		2006-07		252.30
		2007-08		221.25
		2008-09		312.40
		2009-10		217.21
		2010-11		244.32
		2011-12		313.37
		2012-13		318.59
		2013-14		345.77
75	Dr.NTTPS	2018-19		450.04
76	Dr.NTTPS-IV	2018-19		458.11
77	RTPP Stage-I	2018-19		531.07
78	RTPP Stage-II	2018-19		602.36
79	RTPP Stage-III	2018-19		689.89
80	RTPP Stage-IV	2018-19		422.20
81	Srisailam -RBPH	2018-19		317.91
82	NSRCPH	2018-19		178.55
83	Upper Sileru	2018-19		124.24
84	Lower Sileru	2018-19		102.41
85	Donkarai	2018-19		78.05
86	Pennaahobilam	2018-19		883.41
87	Mini Hydrel (Chettipeta)	2018-19		340.71
89	NSTPDC PH	2018-19		997.06
90	Machkund	2018-19		107.10
91	TB Dam	2018-19		194.07
92	Sri Damodharam Sanjeevayya Thermal Power Station (Unit-I &II) APPDCL	2018-19		374.39
93	Godavari Gas Power Plant (Now Own Source previously GVK-I)	2018-19		365.72
94	NTPC Kudgi Stage-I (New Thermal Station)	2018-19		772.41
95	Arunachal Pradesh Power Corporation (Swaping)-Trading Margin	2018-19		377.9
96	Manikaran Power Trading (SWAAPING)-Trading Margin	2018-19		377.27
97	PTC India Ltd (Swaping)-Trading Margin	2018-19		379.9
98	PTC India Ltd (Trading) Energy Charges	2018-19		640.00
99	Sembcorp Gayatri Power Ltd (Energy Charges)	2018-19		420.46
100	Sarda Metals (Trading) Energy Charges	2018-19		599.00
101	Shri Girija 26MW (Trading)	2018-19		595.00
102	Power Exchange India (Energy Charges)	2018-19		548.96
		2018-19		

**9.10(A) SALE OF ENERGY CATEGORY-WISE
ANNUAL GROWTH RATES(2014-15 TO 2018-19)**

Financia l	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
Anl%	7.92	6.60	27.84	1.49	-6.19	8.45	6.68	-0.15	4.11	8.98	5.87
2017-18	13173.55	2743.20	3412.57	42.63	10946.88	929.12	156.20	1.96	31406.11	18538.69	49944.80
Anl%	6.38	8.18	17.50	10.16	9.73	5.91	7.53	1.18	8.91	11.91	10.02
2018-19	14014.21	2967.53	4009.63	46.96	12012.26	984.03	167.96	1.98	34204.56	20745.79	54950.35

9.11 PATTERN OF ELECTRICITY CONSUMPTION (%)
(1960 TO 2019)

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
2017-18	26.56	5.53	24.36	36.79	2.85	3.91	100.00
2018-19	25.50	5.40	25.37	37.08	2.82	3.83	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. Consumers	H.T. Consumers	TOTAL	Decreed debts	Debts pending in Courts	Debts to be withdrawn	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
2017-18	2449.58	3398.26	5847.84	4.2	706.74	4.67	1860.75	2122.55	576.02	408.52	164.42	5847.87
2018-19	3151.08	3981.56	7132.64	1.63	737.51	-1.71	2252.72	2733.91	490.12	660.2	258.3	7132.68

*For Residual AP

RETAIL SUPPLY TARIFF SCHEDULE FOR FY 2018-19
(RETAIL SUPPLY TARIFF RATES AND TERMS AND CONDITIONS)

Retail Supply Tariff Schedule for FY 2018-19

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 FY2016-17			
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 FY2016-17			
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 FY2016-17			
0-50	kWh		2.68
51-100	kWh		3.35
101-200	kWh		5.42
201-300	kWh		7.11
301-400	kWh		7.98
401-500	kWh		8.52
Above 500 units	kWh		9.06
LT-II NON DOMESTIC/COMMERCIAL			
LT-II(A) :Upto 50 Units/Month	kWh/kVAh	55/kW	5.40
LT-II(B) :Above 50 Units/Month			
0-50	kWh/kVAh		6.90
51-100	kWh/kVAh		7.69
101-300	kWh/kVAh		9.06
301-500	kWh/kVAh		9.61
Above 500	kWh/kVAh	75/kW	10.19
LT II(C):ADVERTISEMENT HOARDINGS	kWh/kVAh	75/kW	12.28
LT II(D) : Functional Halls/Auditoriums	kWh/kVAh	Nil	11.77
LT-III:INDUSTRY			
Industries (General)	kWh/kVAh	75/kW	6.71
Seasonal Industries (off season)	kWh/kVAh	75/kW	7.45
Aquaculture and Animal Husbandary	kWh/kVAh	30/kW	3.86
Sugarcane crushing	kWh/kVAh	30/kW	3.86
Mushroom & Rabbit Farms	kWh/kVAh	75/kW	5.91
Floriculture in Green House	kWh/kVAh	75/kW	5.91
Poultry Hatcheries & Poultry Feed mixing plants	kWh/kVAh	75/kW	4.89
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 2018-19
(RETAIL SUPPLY TARIFF RATES AND TERMS AND CONDITIONS)
RETAIL SUPPLY TARIFF SCHEDULE FOR FY 2018-19

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 25HP	kWh	20/HP	3.70
LT-VI:STREET LIGHTING AND PWS			
LT-VI(A):STREET LIGHTING			
Panchayats	kWh	75/kW	5.98
Municipalities	kWh	75/kW	6.53
Municipal Corporations	kWh	75/kW	7.09
LT-VI(B):PWS SCHEMES			
Panchayats	kWh/kVAh	75/HP	4.87
Municipalities	kWh/kVAh	75/HP	5.98
Municipal Corporations	kWh/kVAh	75/HP	6.53
LT-VI(C):NTR SUJALA Padhakam	kWh/kVAh	10/HP	4.00
LT-VII:GENERAL			
LT-VII(A):GENERAL PURPOSE	kWh/kVAh	30/kW	7.28
LT-VII(B):RELIGIOUS PLACES			
(i) RELIGIOUS PLACES (CL> 2 Kw)	kWh	30/kW	5.04
(ii) RELIGIOUS PLACES (CL<= 2 Kw)	kWh	30/kW	4.84
LT-VIII: TEMPORARY SUPPLY	kWh/kVAh	30/kW	10.50
HT-I:INDUSTRY			
HT-I(A): INDUSTRY GENERAL			
11 kV	kVAh	475/kVA	6.33
33 kV	kVAh	475/kVA	5.87
132 kV & Above	kVAh	475/kVA	5.44
INDUSTRIAL COLONIES			
11 kV	kVAh		6.32
33 kV	kVAh		6.32
132 kV & Above	kVAh		6.32
TIME OF DAY TARIFFS(6 PM to 10 PM)			
11 kV	kVAh		7.38
33 kV	kVAh		6.92
132 kV & Above	kVAh		6.49
SEASONAL INDUSTRIES (OFF SEASON Tariff)			
11 kV	kVAh	475/kVA	7.66
33 kV	kVAh	475/kVA	6.98
132 kV & Above	kVAh	475/kVA	6.72

RETAIL SUPPLY TARIFF SCHEDULE FOR FY 2018-19
(RETAIL SUPPLY TARIFF RATES AND TERMS AND CONDITIONS)

Retail Supply Tariff Schedule for FY 2018-19

Consumer Category	Energy Unit	Fixed Charge (Rs/Month /Unit)	Energy Charge (Rs/ Unit)
HT-I(B):ENERY INCENTIVE INDUSTRIES			
11 kV	kVAh		5.82
33 kV	kVAh		5.37
132 kV & Above	kVAh		4.95
HT - I (C): AQUA CULTURE AND ANIMAL HUSBANDARY	kVAh	30/kVA	3.86
HT - I (D): POULTRY HATCHERIES AND POULTRY FEED MIXING PLANTS	kVAh	475/kVA	4.89
HT - II Category			
HT-II(A):OTHERS			
11 kV	kVAh	475/kVA	7.66
33 kV	kVAh	475/kVA	6.98
132 kV & Above	kVAh	475/kVA	6.72
<i>TIME OF DAY TARIFFS(6 PM to 10 PM)</i>			
11 kV	kVAh		8.71
33 kV	kVAh		8.03
132 kV & Above	kVAh		7.77
HT II (B) Religious Places	kVAh	30/kVA	5.03
HT II © Function Halls /Auditoriums	kVAh	Nil	11.77
HT-III:PUBLIC INFRASTRUCTURE AND TOURISM			
11 kV	kVAh	475/kVA	7.3
33 kV	kVAh	475/kVA	6.69
132 kV & Above	kVAh	475/kVA	6.38
<i>TIME OF DAY TARIFFS(6 PM to 10 PM)</i>			
11 kV	kVAh		8.35
33 kV	kVAh		7.74
132 kV & Above	kVAh		7.43
HT-IV: Govt., LIFT IRRIGATION, AGRICULTURE AND CPWS			
Govt. and Private Lift Irrigation & Agriculture	kVAh	0	5.82
Composite Water Supply Schemes (CPWS)	kVAh	0	4.89
HT-V:RAILWAY TRACTION	kVAh	300/KVA	3.55
HT-VI:TOWNSHIPS AND RESIDENTIAL COLONIES	kVAh	75/kVA	6.32
HT-VIII:TEMPORARY SUPPLY		1.5 times of corresponding HT Category	
RURAL ELECTRIC CO-OPERATIVES			
Anakapally	kWh		0.86
Chipurupally	kWh		0.14
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	AP GENCO	AP TRANSCO	DISCOMs	AP GENCO	AP TRANSCO	DISCOMs
		2016			2017			2018			2019		
1	2												
	OTHER THAN WORKMEN												
1.	Technical	2466	1691	1789	2472	1691	3601	2472	2290	3785	2464	2290	2953
2.	Non-Technical	355	120	953	355	120	982	355	200	1009	355	201	874
	WORKMEN												
1.	Technical	369	223	1810	425	223	***	425		**	425		**
2.	Non-Technical	1126	766	7229	1070	766	2386	1070	691	2359	1069	690	6019
3.	O & M and Construction and othe	4937	2106	19673	4931	2106	24592	4931	2106	24687	4931	2106	13525
	TOTAL	9253	4906	31454	9253	4906	31561	9253	5287	31840	9244	5287	23371

* 11 Posts in CTI /Hyderabad was allotted to TSTRANSCO

10.2 MAN POWER DETAILS

Sl.No.	Particulars	ANDHRA PRADESH																							
		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	
		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.	Total No.of Employees	63123	13875	62645	13812	62942	14235	63752	13705	64711	15680	65027	15647	65273	15608	65318	15590	65066	16695	70230	9251	36272	9253	36360	
B.	Number employed in construction Projects	---	267	---	682	---	---	906	---	1989	---	2029	---	548	---	627	---	1464	---	1355	---	1348	---	---	
C.	Total employed in Generation,Transmission&Distribution(A-B)	63123	13608	62645	13130	62942	14235	63752	12799	64711	13691	65027	13618	65273	15060	65318	14963	65066	15231	70230	7896	36272	7905	36360	
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	---	
	1.b)Plus proportion of other employees (H.Q.Posts)	---	504	---	456	---	464	---	478	---	505	---	497	---	543	---	541	---	479	---	152	---	307	---	
	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	---	
	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.a)No.actually employed in Hydel Generation	---	3593	---	3603	---	3629	---	3404	---	3370	---	3459	---	3320	---	3271	---	2053	---	1141	---	2141	---	

10.2 MAN POWER DETAILS

Sl.No.	Particulars	ANDHRA PRADESH					
		Genco	T & D	Genco	T & D	Genco	T & D
		2016-17		2017-18		2018-19	
A.	Total No.of Employees	9253	36467	9253	37127	9244	28658
B.	Number employed in construction Projects	100		100		102	
C.	Total employed in Generation,Transmission &Distribution(A-B)	9153	36467	9153	37127	9142	28658
D.	Employment break-up of 'C'						
	1.a)Number.Actually employed in Thermal Generation	6400		6400		6480	
	1.b)Plus proportion of other employees (H.Q.Posts)	296		296		284	
	1.c)Thermal Capacity in operation in MW	2810		2810		3410	
	1.d)Employees / MW (1a+1b)/1c	2.3829181		2.3829181		1.984	
	2.a)No.actually employed in Hydel Generation	2258		2258		2271	

10.2 MAN POWER DETAILS

Particulars			96-97	97-98	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
					1998-99		1999-2K		2000-01		2001-02		2002-03		2003-04		2004-05		2004-05		2005-06	
					5	6	7	8	9	10	11	12	13	14	15	16	17	18	17	18	18	19
2.b)Plus proportion of other employees(HQ)			486	494	258	---	296	---	315	---	323	---	226	---	274	---	253	---	253	---	282	---
2.c)Hydel capacity in operation(MW)			2659	2659	2659	---	2674	---	2675	---	2982	---	3432.5	---	3588.3	---	3588.3	---	3588.3	---	3586.4	---
2.d)Employees per MW ((2a+2b)/2c)			1.32	1.45	1.43	---	1.45	---	1.50	---	1.36	---	1.12	---	1.10	---	1.03	---	1.03	---	1.08	---
3.a)No.actually employed in Transmission&distribution			58545	56216	---	57870	---	57886	---	59961	---	59942	---	60013	---	60568	---	61562	---	61562	---	61283
3.b)Plus proportion of other employees(HQ)			1493	1488	---	1806	---	2134		1710	---	1678	---	1679	---	1634	---	1561	---	1561	---	1062
3.c)No.of consumers in thousands			9479	10070	---	10602	---	11107	---	13294	---	13885	---	14683	---	15644	---	16449	---	16449	---	17235
3.d)Employees per 1000 consumers (3a+3b)/3c			6.33	5.73	---	5.63	---	5.4	---	4.64	---	4.44	---	4.20	---	3.98	---	3.84	---	3.84	---	3.62
4.a)Units sold including exports in MKWH			20651	22909	---	25021	---	26111	---	27498	---	29314	---	31631	---	34446	---	38057	---	38057	---	39652
4.b)Total No. of employees per MU sold			3.53	3.24	---	2.38	---	2.30	---	2.24	---	2.10	---	1.95	---	1.8	---	1.66	---	1.66	---	1.57
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
	2005-06		2006-07		2007-08		2008-09		2009-10		2010-11		2011-12		2012-13		2013-14		2014-15		2015-16	
	282	---	354	---	359.5		360		376		375		421		422		405		134		181	
2.b)Plus proportion of other employees(HQ)	282	---	354	---	359.5		360		376		375		421		422		405		134		181	
2.c)Hydel capacity in operation(MW)	3586.4	---	3586.4	---	3627.4		3627.4		3744		3790		3865		3865		3865		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		1.3272	
3.a)No. of posts sanctioned in Transmission&distribution	---	61283	---	61986		62860		63794		63883		64118		64617		65066		70230		36272		36360
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
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
4.a)Units sold including exports in MKWH	---	39652	---	44807		48390		53215		59118		62618		69955		67604		73126		45120*		49513*
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		1.22		1.34

* Reconciled figures

10.2 MAN POWER DETAILS

S.No.	Particulars	Genco	T & D	Genco	T & D	Genco	T & D
		2016-17		2017-18		2018-19	
1	2.b)Plus proportion of other employees(HQ)	201		201		215	-
2	2.c)Hydel capacity in operation(MW)	1749.6		1749.6		1749.6	-
3	2.d)Employees per MW ((2a+2b)/2c)	1.40546		1.405464		1.421	-
4	3.a)No.of posts sanctioned in Transmission&distribution		36467		37127		28658
5	3.b)Plus proportion of other employees(HQ)(TRANSCO)						
6	3.c)No.of consumers in thousands		17182		17821		18436
7	3.d)Employees(sanctioned) per 1000 consumers (3a+3b)/3c		2.12		2.08		1.55
8	4.a)Units sold including exports in MKWH		52637.23*		57576		63143
9	4.b)Total No. of employees (sanctioned)per MU sold		1.44		1.55		2.20

* Reconcilled figures

10.3 DETAILS OF OTHER THAN WORKMEN AS ON 31-03-2019

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	8	3	11
3	Superintending Engineer	15	32	47	12	24	36
4	DE / EE	39	173	212	61	119	180
5	ADE / AEE	89	703	792	161	533	694
6	AE / AAE	43	1260	1303	49	553	602
7	Sub-Engineer	1	420	421	0	14	14
	TOTAL	194	2594	2367	292	1246	1538
B	NON-TECHNICAL						
1	Executive Director/Finance/General	1	0	1	1	0	1
2	Chief Chemist	-	5	5	**	**	**
3	Senior Chemist	1	33	34	**	**	**
4	Chemist	1	56	57	**	**	**
5	FA & CCA	1	0	1	2	0	2
6	Deputy CCA	4	4	8	3	0	3
7	Senior Accounts Officer	8	6	14	9	10	19
8	Accounts Officer	17	17	34	11	8	19
9	Asst. Accounts Officer	9	26	35	4	9	13
10	Junior Accounts Officer	36	106	142	16	40	56
11	Chief Gen. Mnager (IR), (NC), (HR)	-	-	0	**	**	**
12	Joint Secretary	1	0	1	**	**	**
13	Company Secretary	1	0	1	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)	2	2	4	**	**	**
19	Deputy Secretary	3	1	4	1	0	1
20	Assistant Secretary	8	2	10	3	2	5
21	Law Officer	1	0	1	**	**	**
22	Junior Law Officer	1	0	1	**	**	**
23	Personnel Officer	22	6	28	13	14	27
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	1	0	1
29	Security officer	0	3	3	**	**	**
30	Asst. Security Officer	1	7	8	**	**	**
31	Security Inspector	2	9	11	**	**	**
32	Deputy Civil Surgeon	0	2	2	**	**	**
33	Asst.Civil Surgeon	1	12	13	**	**	**
34	Addl.Secretary	-	-	**	1	0	1
35	Tahasildar & Dy Tahasildar	-	-	**	0	0	0
36	Divisional .Manager(Ex-Cadre)	-	-	**	0	0	0
37	Asst Divisional fire officer	0	3	3	**	**	**
38	Station fire officer	0	5	5	**	**	**
39	Senior Labour welfare officer	0	3	3	**	**	**
40	Inspector of Police (CI)	-	-	-	2	0	2
41	Sub Inspector	-	-	-	2	0	2
42	Head Constable	-	-	-	0	0	0
43	Police Constable	-	-	-	0	0	0
	TOTAL	125	325	450	70	83	153
	Grand Total	319	2919	2817	362	1329	1691

*Filled Posts

**10.4 DETAILS OF OTHER THAN WORKMEN(SANCTIONED)
(AS ON 31-03-2019 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)	8	9	17
3	Superintending Engineer/GM	22	33	55
4	DE / EE	81	143	224
5	ADE	209	374	583
6	AE / AAE	567	1036	1603
7	DGM /IT	1	**	1
8	Manager (CSC)	7	**	7
9	Sub-Engineer	470	823	1293
	TOTAL(A)	1366	2419	3785
B. NON-TECHNICAL				
1	CGM	2	2	4
2	GM	**	6	6
3	GM(Revenue/Accounts/IA/Costing	4	-	4
4	GM/HRD	2	-	2
5	SAO	9	13	22
6	AO	20	23	43
7	AAO	55	110	165
8	JAO	215	439	654
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	**	3	3
14	AS/DGM	**	10	10
15	Personnel Officer	19	24	43
16	Company Secretary	1	1	2
17	Public Relations Officer	**	1	1
18	Chief Vigilance Officer	1		1
19	Inspector of Police	5		5
20	Sub-Inspector of Police	11		11
21	Law Officer	**		0
	TOTAL (B)	350	633	983
	Grand Total	1716	3052	4768

11. ALL INDIA STATISTICS

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
18	2017-18	21.04
19	2018-19	20.66

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	74.3
6	2006-07	76.8
7	2007-08	78.6
8	2008-09	77.2
9	2009-10	77.68
10	2010-11	74.97
11	2011-12	73.47
12	2012-13	70.13
13	2013-14	65.56
14	2014-15	64.25
15	2015-16	62.24
16	2016-17	59.88
17	2017-18	60.72
18	2018-19	61.07

* Coal and Lignite based

Plan Wise Capacity Addition Targets and achievements during Various Plans			
Sl.No	Plan Period	Target	Achievement
1	1st 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
25	2017-18	13171	9505
26	2018-19	8106	5922

Figures in MW
Source: www.cea.nic.in

11.4 Growth of Transmission sector (As on 31-03-2019)		
Sl.No	Transmission lines	Total CKM
1	765 kV	41,809
2	400 kV	180,746
3	220kV	175,296
4	HVDC Lines	15,556
TOTAL		413,407

Sl.No	Sub-Station (MVA)	Total MVA
1	765 kV	211,500
2	400 kV	313,182
3	220kV	352,481
4	HVDC	22,500
TOTAL		899,663

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
17	2017-18	597121	100.00	21212860*
18	2018-19	597464	100.00	21,212,860

* Pump sets energised are upto end of 12th Plan.

Source: www.cea.nic.in

11.6 PEAK DEMAND AND DEFICIT

Year 2018-19 (Provisional)

State	Peak demand (MW)	Peak met (MW)	Surplus/Deficit (MW)	Surplus/Deficit (%)
Chandigarh	369	369	0	0.0
Delhi	7,016	7016	0	0.0
Haryana	10270	10270	0	0.0
Himachal Pradesh	1700	1700	0	0.0
Jammu & Kashmir	3080	2464	-616	-20.0
Punjab	12638	12638	0	0.0
Rajasthan	13276	13276	0	0.0
Uttar Pradesh	20498	20062	-436	-2.1
Uttarakhand	2216	2216	0	0.0
Northern Region	63166	61726	-1440	-2.3
Chattisgarh	4444	4270	-174	-3.9
Gujarat	17053	16963	-90	-0.5
Madhya Pradesh	13815	13815	0	0.0
Maharashtra	23864	23254	-610	-2.6
Daman & Diu	357	356	-1	-0.3
Dadar Nagar Haveli	816	815	-1	-0.1
Goa	596	596	0	0.0
Western Region	56675	55821	-854	-1.5
Andhra Pradesh	9459	9453	-6	-0.1
Telangana	10815	10815	0	0.0
Karnataka	12877	12877	0	0.0
Kerala	4245	4228	-17	-0.4
Tamil Nadu	15483	15448	-35	-0.2
Pondicherry	440	421	-19	-4.3
Lakshadweep #	8	8	0	0.0
Southern Region	49623	49534	-89	-0.2
Bihar	5115	5084	-31	-0.6
Damodar Valley Corporation	3100	3098	-2	-0.1
Jharkhand	1339	1291	-48	-3.6
Orissa	5337	5337	0	0.0
West Bengal	9130	9123	-7	-0.1
Sikkim	106	106	0	0.0
Andaman-Nicobar #	58	54	-4	-6.9
Eastern Region	23141	22733	-408	-1.8
Arunachal Pradesh	150	148	-2	-1.3
Assam	1865	1809	-56	-3.0
Manipur	219	216	-3	-1.4
Meghalaya	374	372	-2	-0.5
Mizoram	121	119	-2	-1.7
Nagaland	156	138	-18	-11.5
Tripura	298	293	-5	-1.7
North -Eastern Region	2967	2850	-117	-3.9
All India	177022	175528	-1494	-0.8

#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

11.7 POWER SUPPLY POSITION

Year :2018-19

State	Requirement (MU)	Availability (MU)	Surplus/Deficit (MU)	Surplus/Deficit (%)
Chandigarh	1571	1571	0	0.0
Delhi	32299	32282	-17	-0.1
Haryana	53665	53665	0	0.0
Himachal Pradesh	9850	9618	-232	-2.4
Jammu & Kashmir	18988	15616	-3372	-17.8
Punjab	55328	55315	-13	0.0
Rajasthan	79815	79626	-189	-0.2
Uttar Pradesh	117133	116149	-984	-0.8
Uttarakhand	13845	13753	-92	-0.7
Northern Region	382493	377595	-4898	-1.3
Chattisgarh	26471	26417	-54	-0.2
Gujarat	116372	116356	-16	0.0
Madhya Pradesh	76056	76054	-2	0.0
Maharashtra	158295	158157	-138	-0.1
Goa	4295	4292	-3	-0.1
Daman & Diu	2558	2558	0	0.0
Dadar Nagar Haveli	6303	6302	-1	0.0
Western Region	390349	390136	-213	-0.1
Andhra Pradesh	63861	63804	-57	-0.1
Telangana	66489	66427	-62	-0.1
Karnataka	71764	71695	-69	-0.1
Kerala	25016	24898	-118	-0.5
Tamil Nadu	109482	109380	-102	-0.1
Pondicherry	2766	2756	-10	-0.4
Lakshadweep #	46	46	0	0.0
Southern Region	339377	338960	-417	-0.1
Bihar	30061	29825	-236	-0.8
Damodar Valley Corporation	22745	22372	-373	-1.6
Jharkhand	8737	8490	-247	-2.8
Orissa	32145	32115	-30	-0.1
West Bengal	51471	51287	-184	-0.4
Sikkim	527	527	0	0.0
Andaman-Nicobar #	346	323	-23	-6.6
Eastern Region	145686	144616	-1070	-0.7
Arunachal Pradesh	869	859	-10	-1.2
Assam	9566	9238	-328	-3.4
Manipur	905	895	-10	-1.1
Meghalaya	1957	1956	-1	-0.1
Mizoram	643	635	-8	-1.2
Nagaland	888	795	-93	-10.5
Tripura	1863	1841	-22	-1.2
North-Eastern Region	16691	16219	-472	-2.8
All India	1274595	1267526	-7069	-0.6

#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

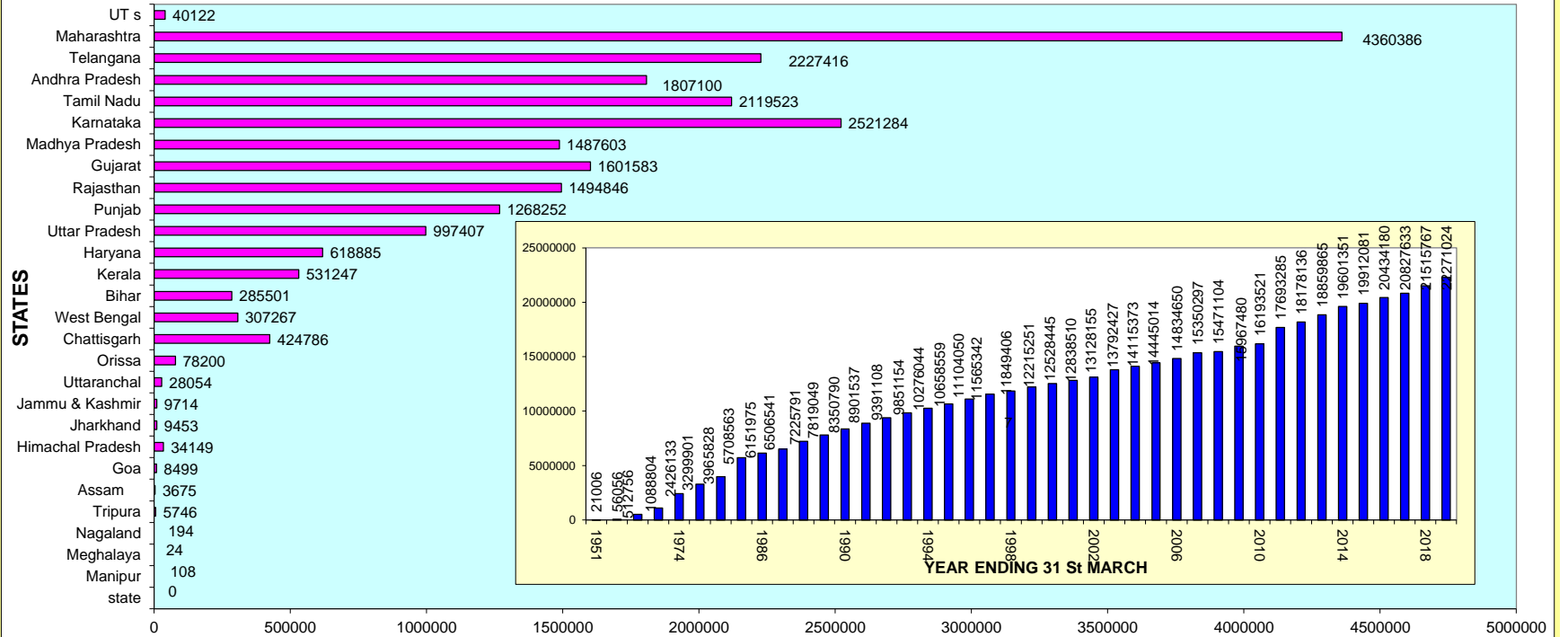
Per-Capita Consumption in kwh												
Sl.No	Country	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
1	Canada	16766	16995	17053	15467	15145	16406	15558	15520	15544	15188	14844
2	USA	13515	13616	13647	12884	13361	13227	12947	12987	12962	12833	12825
3	Australia	11309	11216	11174	11038	10063	10514	10218	10067	10002	9892	9911
4	Japan	8220	8475	8072	7833	8399	7847	7753	7836	7829	7865	7974
5	France	7585	7573	7703	7494	7756	7318	7367	7382	6955	7043	7148
6	Germany	7175	7185	7148	6781	7217	7083	7138	7022	7035	7015	6956
7	Korea	8063	8502	8853	8980	9851	10162	10346	10428	10564	10558	10618
8	UK	6192	6142	6067	5693	5741	5518	5452	5409	5131	5082	5033
9	Russia	6122	6338	6443	6133	6460	6533	6602	6562	6603	6588	6715
10	Italy	5762	5718	5656	5271	5384	5393	5277	5124	5002	5099	5081
11	South Africa	4810	5013	4770	4532	4803	4694	4410	4328	4240	4148	4031
12	Brazil	6060	2154	2232	2201	2384	2441	2509	2583	2578	2516	2504
13	China	2040	2346	2471	2648	2942	3298	3475	3766	3927	4047	4279
14	India	717	734	779	779	884	819	884	957	1010	1075	1122
15	World	2659	2752	2782	2730	2892	2933	2972	3026	3030	3052	3110

T&D Losses in (%)											
Sl.No	Country	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
1	Korea	3.77	3.81	3.97	4.01	3.57	3.47	3.47	3.62	3.59	3.45
2	Japan	4.80	5.16	5.23	5.04	4.98	4.79	4.87	4.56	4.3	4.51
3	Germany	5.30	5.42	4.8	4.53	4.7	4.46	4.51	4.5	4.74	4.74
4	Italy	6.35	6.20	6.56	6.87	6.46	6.61	6.87	6.46	6.42	6.15
5	Australia	7.86	7.36	7.37	7.27	5.94	5.68	6.69	5.4	6.33	6.02
6	South Africa	9.57	10.03	11.16	11.44	9.61	10.19	9.88	9.56	9.11	9.99
7	France	6.91	7.06	7.21	7.97	6.47	7.99	7.86	7.85	7.81	7.68
8	China	6.83	6.32	5.58	6.45	6.54	6.56	6.52	6.17	5.77	5.59
9	USA	6.53	6.06	6.68	6.86	6.41	6.73	6.32	6.31	6.33	5.81
10	Canada	9.62	8.87	9.1	13.97	6.27	8.19	10.4	10.63	11.72	12.04
11	UK	7.57	7.63	7.65	8.17	8.06	8.26	7.8	8.45	8.77	8.03
12	Russia	13.56	13.09	13.47	14.44	12.59	12.59	12.57	12.62	12.79	12.59
13	Brazil	15.27	15.83	16.44	19.58	16.08	16.63	16.11	15.69	15.92	16.87
14	India	25.47	25.39	23.97	23.65	23.97	23.65	23.04	22.77	21.81	21.42
	World	9.20	8.99	9.17	9.80	8.90	8.89	8.91	9.03	8.95	8.64

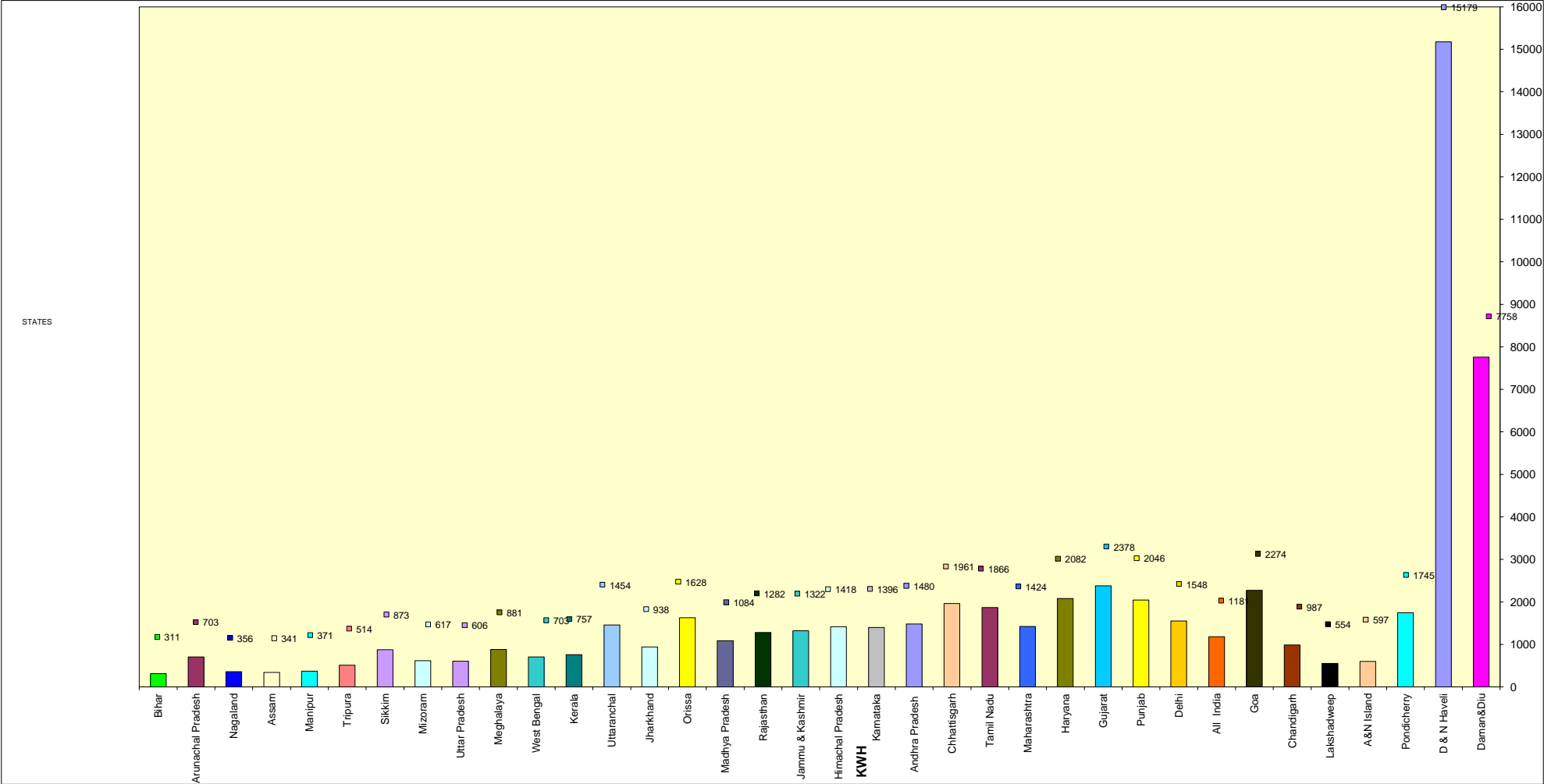
Source : CEA

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

PUMPSETS ENERGISED ALL INDIA, STATE WISE



PER CAPITA CONSUMPTION -STATE WISE 2018-19



APPENDIX

APPENDIX - I
SYSTEM DEMAND AND LOAD FACTORS OF A.P.GRID FOR THE YEAR
2018-19

Sl.No.	Month	Demand Met (MU)	Maximum Demand MW	Load Factor %
1	Apr-18	5368	8945	83.34
2	May-18	5395	9249	78.40
3	Jun-18	5067	9188	76.59
4	Jul-18	5078	8550	79.84
5	Aug-18	5248	8710	80.98
6	Sep-18	5361	9416	79.09
7	Oct-18	5635	9453	80.12
8	Nov-18	5233	9056	80.25
9	Dec-18	4923	8190	80.79
10	Jan-19	4899	8461	77.82
11	Feb-19	4919	8969	81.61
12	Mar-19	6018	8984	90.04
TOTAL / MAX		63144	9453	90.04

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
53.	2017-18	8983	12.78	49602707000	5.14
54.	2018-19	9453	5.23	54950050000	10.78

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
52.	31.03.2018	226013	327044	553057	89688
53.	31.03.2019	235630	343678	579308	94855

* Residual AP

APPENDIX -IV as on 31-3-2019

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	4	2000							4	2000
315.00	30	9450							30	9450
160.00	1	160	27	4320					28	4480
100.00	3	300	125	12500					128	12800
80.00			4	320.0	5	400			9	720
60.00			0	0.0					0	0
50.00			51	2550.0	93	4650			144	7200
31.50			54	1701.0	200	6300			254	8001
30.00					0	0			0	0
25.00			21	525.0	7	175			28	700
20.00						0			0	0
16.00			12	192.0	124	1984			136	2176
15.00				0.0	6	90.0			6	90
12.50							2	25.0	2	25
10.00							22	220.0	22	220
8.00							691	5528.0	691	5528
7.50							7	52.5	7	53
5.00							2901	14505.0	2901	14505
3.15							401	1263.2	401	1263
3.00							20	60.0	20	60
1.60							3	4.8	3	5
1.50							3	4.5	3	5
0.50							1	0.5	1	1
	38	11910	294	22108.0	435	13599	4051	21663	4818	69280

APPENDIX -V Voltage wise as on 31-3-2019

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	4	2000													4	2000
315.00	30	9450													30	9450
160.00			28	4480											28	4480
100.00			128	12800											128	12800
80.00					2.0	160			7	560					9	720
60.00															0	0
50.00					6	300	5	250	133	6650					144	7200
31.50			3	95	15	473	7	220.5	215	6773	14				254	8001
30.00									0	0					0	0
25.00			0		1	25	18	450	9	225					28	700
16.00									124	1984	12	16			136	2176
15.00									5	75	1				6	90
12.50													2	25	2	25
10.00													22	220	22	220
8.00													691	5528	691	5528
7.50													7	53	7	53
5.00													2901	14505	2901	14505
3.15													401	1263	401	1263
3.00													20	60	20	60
1.60													3	4.8	3	5
1.50													3	4.5	3	5
0.50													1	0.5	1	1
	34	11450	159	17375	24	958	30	921	493	16267	27	16	4051	21663	4818	69280

A P P E N D I X - VI DISTRIBUTION TRANSFORMERS AS ON 31-03-2019

S. 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				
		2000	1250	1000	950	750	615	600	500	400	315	300	281	250	200	160	150	125	100	75	63	50	40	30	25	16	15	Total 3-Phase	Capacity	25	16	15	10			5	Total 1-Phase	Capacity	
1	Srikakulam									3			6		126			1959	24	2346	42	722			1951	3129		10308	497922		572	6198	12	9	6791	102287	17099	600209	
2	Vizianagaram							4	2	13			18	4	242			2092	14	2251	34	833			2510	3118		11135	550636		607	4864	69	7	5547	83397	16682	634033	
3	Visakhapatnam							50	20	345			97	19	2138	82		6398	53	4506	59	2923			4438	5119	32	26279	1764962			7070	603	1	7674	112085	33953	1877047	
4	East Godavari									69			97	18	898	3		7038	93	5253	290	4476			8506	9886	238	36865	1803365		865	11434	499	44	12842	190560	49707	1993925	
5	West Godavari							22	5	81			84	10	915	7		7381	111	7760	268	12615			20799	19804	236	70098	2802649		1213	11030	378	81	12702	189043	82800	2991692	
	EPDCL Total		0	0	0	0	0	76	27	511	0	0	302	51	4319	92	0	24868	295	22116	693	21569	0	38204	41056	506	154685	7419534	0	3257	40596	1561	142	45556	677372	200241	8096906		
6	Vijayawada							11		597			209	7	2453			9899	100	7011	220	455			24805	7837	1135	54739	2870520		2894	11570	212	536	15212	224654	69951	3095174	
7	Guntur			4				23		375			178	14	1321			9152	85	5546	190	229			22655	8747	762	49281	2399675	1	2287	12522	113	312	15235	227137	64516	2626812	
8	Ongole							15		104			63	11	634			5844	22	4592	20	80			39993	17011	579	68968	2319882	1	2179	10278	114	442	13014	192409	81982	2512291	
9	Nellore							10		205			117	14	973			7540	18	6680	42	135			25919	21786	1609	65048	2461681		1899	11218	88	549	13754	202279	78802	2663960	
10	Tirupati							7		305			81	10	843			5676	47	2471	38	162			56362	37272	13432	116706	3198765	1	1772	14844	357	569	17543	257452	134249	3456217	
11	Kadapa							11		56			56	5	496			4296	7	1893	24	232			53889	45367	986	107318	2765251		2318	9441	21	438	12218	181103	119536	2946354	
12	Anantapur							6		51			32	9	621			8496	94	5221	198	14			63830	13701	12	92285	3139404	966	2305	9061	7039	1	19372	267340	111657	3406744	
13	Kurnool							4		100			30	13	895			5828	18	4557	103	112			40894	5813		58367	2183029	1069	1814	8767	4870	4	16524	235974	74891	2419003	
	SPDCL Total		0	4	0	0	0	87	0	1793	0	0	766	83	8236	0	0	56731	391	37971	835	1419	0	328347	157534	18515	612712	21338207	2038	17468	87701	12814	2851	122872	1788348	735584	23126555		
	Total for DISCOMs		0	4	0	0	0	163	27	2304	0	0	1068	134	12555	92	0	81599	686	60087	1528	22988	0	366551	198590	19021	767397	28757741	2038	20725	128297	14375	2993	168428	2465720	935825	31223461		
1	Cheepurupalli												1	20				304		416	4				5	198		948	63501							0	0	948	63501
2	Anakapalli														62			1915		193					55			2303	218074				45			45	675	2348	218749
3	Kuppam												9	13	30			1249		13	461	32			5048	2259	249	9363	332247	418	602	213	82			1315	24097	10678	356344
	RESCO total	0	0	0	0	0	0	0	0	0	0	0	9	14	112	0	0	3468	13	1070	36	78	0	5108	2457	249	12614	613822	418	602	258	82	0	1360	24772	13974	638594		
	STATE TOTAL	0	0	4	0	0	0	163	27	2304	0	0	1077	148	12667	92	0	85067	699	61157	1564	23066	0	371659	201047	19270	780011	29371563	2456	21327	128555	14457	2993	169788	2490492	949799	31862055		

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
51.	31.03.2018	875547	29671777	1047
52.	31.03.2019	949799	31862055	1074

* From 2015 the data is for Residual AP

APPENDIX - VIII

SERVICES AND CONNECTED LOAD AS ON 31-03-2019

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
EPDCL													
1	SRIKAKULAM												
a)	Services released during 2018-19	Nos.	18852	6746	96	3	1236	156	1372	5	28466	43	28509
b)	Services as on 31-03-19	Nos.	743662	69787	3533	315	32986	5191	7069	284	862827	390	863217
c)	Connected Load as on 31-03-19	KW	312511	92880	68094	255	74556	14705	8470	12	571483	169793	741275
2	VIZIANAGARAM												
a)	Services released during 2018-19	Nos.	13005	5785	55	1	2426	101	410	6	21789	26	21815
b)	Services as on 31-03-19	Nos.	558806	56260	3050	130	44400	3790	5146	70	671652	355	672007
c)	Connected Load as on 31-03-19	KW	333177	89036	47343	152	97010	9355	7052	0	583124	357474	940598
3	VISAKHAPATNAM												
a)	Services released during 2018-19	Nos.	42536	12664	85	13	2492	462	596	21	58869	52	58921
b)	Services as on 31-03-19	Nos.	1267459	157626	5728	408	44066	9282	6963	390	1491922	1201	1493123
c)	Connected Load as on 31-03-19	KW	1334850	366093.67	81033	564	101218	28725	12905	58	1925447	1325124	3250571
4	EAST GODAVARI												
a)	Services released during 2018-19	Nos.	47581	15481	850	13	1755	153	946	37	66816	93	66909
b)	Services as on 31-03-19	Nos.	1440869	168331	14249	1139	52089	6445	16484	273	1699879	1161	1701040
c)	Connected Load as on 31-03-19	KW	1264971	287294.2	307850.3	2670	300447	35405	18713	172	2217522	545415	2762936
5	WEST GODAVARI												
a)	Services released during 2018-19	Nos.	37162	11316	2594	2	1290	127	325	22	52838	65	52903
b)	Services as on 31-03-19	Nos.	1104181	136727	20636	352	97318	6811	12860	181	1379066	735	1379801
c)	Connected Load as on 31-03-19	KW	995619	229929.96	440553.1	458	814864	39065	13982.31	130	2534602	523814	3058416
TOTAL EPDCL													
a)	Services released during 2018-19	Nos.	159136	51992	3680	32	9199	999	3649	91	228778	279	229057
b)	Services as on 31-03-19	Nos.	5114977	588731	47196	2344	270859	31519	48522	1198	6105346	3842	6109188
c)	Connected Load as on 31-03-19	KW	4241127	1065234	944874	4099	1388096	127254	61122	372	7832178	2921619	10753797

APPENDIX - VIII

SERVICES AND CONNECTED LOAD AS ON 31-03-2019

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 2018-19	Nos.	50896	10951	1881	4	5230	188	294	6	69450	96	69546
b)	Services as on 31-03-19	Nos.	1488157	158424	23745	1046	112583	8460	14240	38	1806693	1563	1808256
c)	Connected Load as on 31-03-19	KW	1536622	400073	901971	5476	501475	73176	180720	6596	3606110	1459230	5065340
7	GUNTUR												
a)	Services released during 2018-19	Nos.	55712	10267	541	19	7563	478	1195	14	75789	115	75904
b)	Services as on 31-03-19	Nos.	1739570	169651	16453	377	119096	7948	12588	217	2065900	1370	2067270
c)	Connected Load as on 31-03-19	KW	1762814	373040	522749	4821	537437	76929	164530	32174	3474493	1304143	4778635
8	PRAKASAM												
a)	Services released during 2018-19	Nos.	28128	6046	442	74	14949	157	1110	10	50916	129	51045
b)	Services as on 31-03-19	Nos.	1089803	86303	10980	689	186933	7462	10433	334	1392937	737	1393674
c)	Connected Load as on 31-03-19	KW	1127953	190739	430618	5437	844896	78639	122384	46713	2847379	69689	2917067
9	NELLORE												
a)	Services released during 2018-19	Nos.	28393	6183	613	12	9895	182	351	14	45643	4	45647
b)	Services as on 31-03-19	Nos.	1024600	91817	28039	840	188094	9711	8998	124	1352223	636	1352859
c)	Connected Load as on 31-03-19	KW	1079250	242285	1561128	6376	808921	93659	126551	15885	3934055	576038	4510094
10	CHITTOOR												
a)	Services released during 2018-19	Nos.	41918	8136	538	182	6618	712	213	23	58340	124	58464
b)	Services as on 31-03-19	Nos.	1356221	123145	13224	7417	317238	21863	12004	790	1851902	1072	1852974
c)	Connected Load as on 31-03-19	KW	1343139	305144	490995	47848	1316212	215707	153446	17635	3890126	1002025	4892151
11	CUDDAPAH												
a)	Services released during 2018-19	Nos.	31523	5010	140	22	7236	371	110	0	44412	34	44446
b)	Services as on 31-03-19	Nos.	799847	70743	5631	608	166664	6084	6769	3	1056349	418	1056767
c)	Connected Load as on 31-03-19	KW	868245	180639	239348	4024	750166	58227	99389	2423	2202461	378655	2581116

APPENDIX - VIII

SERVICES AND CONNECTED LOAD AS ON 31-03-2019

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 2018-19	Nos.	31778	9058	178	728	12191	150	1002	5	55090	87	55177
b)	Services as on 31-03-19	Nos.	1099234	89970	9162	4971	268146	7733	8793	224	1488233	506	1488739
c)	Connected Load as on 31-03-19	KW	1178555	253769	449364	33268	1202008	71708	131082	30828	3350583	576038	3926621
13	KURNOOL												
a)	Services released during 2018-19	Nos.	32874	8259	275	14	13549	168	1084	6	56229	15	56244
b)	Services as on 31-03-19	Nos.	1086790	86952	9379	607	177487	7115	7650	170	1376150	369	1376519
c)	Connected Load as on 31-03-19	KW	1135029	275105	380676	5184	806889	74816	111398	16693	2805790	449149	3254938.8
TOTAL SPDCL													
a)	Services released during 2018-19	Nos.	301222	63910	4608	1055	77231	2406	5359	78	455869	604	456473
b)	Services as on 31-03-19	Nos.	9684222	877005	116613	16555	1536241	76376	81475	1900	12390387	6671	12397058
c)	Connected Load as on 31-03-19	KW	10031606	2220794	4976849	112434	6768004	742861	1089500	168948	26110997	5814966	31925963
TOTAL FOR A.P.STATE													
a)	Services released during 2018-19	Nos.	460358	115902	8288	1087	86430	3405	9008	169	684647	883	685530
b)	Services as on 31-03-19	Nos.	14799199	1465736	163809	18899	1807100	107895	129997	3098	18495733	10513	18506246
c)	Connected Load as on 31-03-19	KW	14272733	3286029	5921723	116534	8156100	870115	1150621	169320	33943175	8736585	42679760

(*)Existing services as per releases and connected load as per billed services. 5750244

**APPENDIX IX- CATEGORY-WISE SERVICES AS ON 31.3.2019
(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	743662	69787	3533	315	32986	5191	7069	284	862827	390	863217
2	VIZIANAGARAM	558806	56260	3050	130	37330	3790	5146	70	664582	355	664937
3	VISAKHAPATNAM	1267459	157626	5728	408	29964	9282	6963	390	1477820	1201	1479021
4	EAST GODAVARI	1440869	168331	14249	1139	52089	6445	16484	273	1699879	1161	1701040
5	WEST GODAVARI	1104181	136727	20636	352	97318	6811	12860	181	1379066	735	1379801
	TOTAL APEPDCL	5114977	588731	47196	2344	249687	31519	48522	1198	6084174	3842	6088016
6	KRISHNA	1488157	158424	23745	1046	112583	8460	14240	38	1806693	1563	1808256
7	GUNTUR	1739570	169651	16453	377	119096	7948	12588	217	2065900	1370	2067270
8	PRAKASAM	1089803	86303	10980	689	186933	7462	10433	334	1392937	737	1393674
9	NELLORE	1024600	91817	28039	840	188094	9711	8998	124	1352223	636	1352859
10	CHITTOOR	1356221	123145	13224	7417	284856	21863	12004	790	1819520	1072	1820592
11	KADAPA	799847	70743	5631	608	166664	6084	6769	3	1056349	418	1056767
12	ANANTAPUR	1099234	89970	9162	4971	268146	7733	8793	224	1488233	506	1488739
13	KURNOOL	1086790	86952	9379	607	177487	7115	7650	170	1376150	369	1376519
	TOTAL APSPDCL	9684222	877005	116613	16555	1503859	76376	81475	1900	12358005	6671	12364676
	RESCOs											
1	ANAKAPALLE	55605	5210	486	109	7070	399	547	17	69443	2	69445
2	CHIPURUPALLI	128118	7617	2778	74	14102	1164	1137	12	155002	-	155002
3	KUPPAM	76288	5812	471	5	32382	1891	1021	13	117883	-	117883
	TOTAL	260011	18639	3735	188	53554	3454	2705	42	342328		342330
	TOTAL FOR A.P.	15059210	1484375	167544	19087	1807100	111349	132702	3140	18784507	10515	18795022

APPENDIX -X
**DISCOM - WISE ENERGY SALES
DURING 2018-19 (MU) LT & HT**

Category		Units (in MU)		Total units (in MU)
		EPDCL	SPDCL	
I	LT			
	Domestic	5341.39	8672.82	14014.21
	Non-domestic	1060.19	1907.34	2967.53
	Industrial	1706.26	2303.37	4009.63
	Cottage Industries	2.67	44.29	46.96
	Agriculture	2179.77	9832.49	12012.26
	Public lighting	238.39	745.64	984.03
	General Purpose	58.15	109.81	167.96
	Temporary	0.66	1.32	1.98
	Total LT (I)	10587.48	23617.08	34204.56
II	HT			
	Industrial	7116.45	7629.95	14746.40
	Industrial Non-segg.	689.99	904.07	1594.06
	Aviation	40.88		40.88
	Agriculture	501.27	1427.81	1929.08
	Railway traction	730.38	818.64	1549.02
	Electric Co-op societies	354.73	462.59	817.32
	Colony lighting	29.46	28.76	58.22
	Temporary	10.81	0.00	10.81
	Total HT (II)	9473.97	11271.82	20745.79
	Total LT + HT (I + II)	20061.45	34888.90	54950.35

APPENDIX XI
Percapita consumption All figures in Kwh (Units)
(In K.W.H.) (PROVISIONAL)

SI. No	District	2017-18				2018-19			
		Domestic	Agricultural	Industrial (Including cottage and H.T)	All Categories	Domestic	Agricultural	Industrial (Including cottage and H.T)	All Categories
1	Srikakulam	180	37	138	458	189	36	181	515
2	Vizianagaram	177	39	633	965	189	35	705	1056
3	Visakhapatnam	320	27	806	1471	333	26	957	1670
4	East Godavari	300	115	226	761	318	101	245	837
5	West Godavari	325	450	424	1328	334	348	476	1419
6	Krishna	380	152	354	1001	400	145	392	1060
7	Guntur	323	131	409	944	342	145	424	1001
8	Prakasam	225	249	330	863	240	253	333	891
9	Nellore	314	273	590	1255	335	284	672	1377
10	Chittoor	227	392	355	1168	247	479	405	1353
11	Cuddapah	239	472	247	1036	254	570	291	1206
12	Anantapur	205	407	192	876	188	622	302	1189
13	Kurnool	179	515	247	1012	216	498	226	1015
ANDHRA PRADESH					1147(*)				1234(*)

(*) State Per capita

APPENDIX - XII		
SCHEMEWISE CAPITAL OUTLAY - APTRANSCO FOR FY 2018-19		
Sl.No.	Particulars	Amount (Rs. In Crores)
1	Re-alignment of existing 400 KV TMDC Line from Srisailam to 400 KV Nunoor SS for providing required clearance for proposed new airport at Orvakal in KNL Dist.	1.33
2	Evacuation of wind power in Kadapa, Anantapur & Kurnool	115.54
3	Evacuation of wind power in Kadapa, Anantapur & Kurnool (Phase - II)	87.60
4	Evacuation of 1000 MW Power from Solar Park at Gani / Panyam in KNL Dist.	22.41
5	Evacuation of Power from 500 MW Solar Power Project by APGENCO at Talaricheruvu (V), Tadipatri (M), ATP Dist.	79.53
6	Reactors Scheme - III	6.46
7	System improvement scheme for erection of 400 KV SS at Rachagunneri, Chittoor Dist. With one 220 KV SS chervi, Chittoor and one 132 KV SS at Yerpedu	61.76
8	Erection of 400 KV SS at Kalkiri, in Chittoor Dist and connected network, under system strengthening works	66.52
9	Realignment of existing 400 KV DC line from SSLM to Sattenapalli for enabling crossing of proposed new Board guage railway line Nadikudi to Sri Kalahasthi	5.68
10	Re-routing of 400 KV DC line (from VPTS to Sattenapalli 400/220 KV SS) passing through VIT - AP - University, Amaravati Campus	1.29
11	400 KV vijayawada Power Transmission Scheme	0.16
12	Krishnapatnam Power Transmission	0.06
13	Evacuation of power from M/s Hinduja National Power Corporation Limited	7.88
14	Dr.NTTTPS vijayawada (Stage V, 800 MW) Power Corporation Limited	0.02
15	Erection of Garividi 400/220 KV SS in Vizianagaram Dist and Pydibhimavaram 220/132 KV SS in Srikakulam Dist Connected Network under Transmission System Improvement	522.88
16	Erection of 400/220 KV SS at Podili, Prakasam Dist and connected network, on stand alone basis under system strengthening works	335.18
17	Erection of 400/220/132 KV Suryapet Substaion, in Nalgonda District and connected network under transmission system improvement, on stand alone basis (AP Portion)	1.32
18	Renovation & Modernisation Scheme	90.00
19	Schemes under Normal Plan	82.14
20	Schemes under Bank funding	55.13
21	Schemes under REC funding	192.98
22	Schemes under DC/Bulk Loads Works (Lift Irrigation)	14.76
23	Schemes under DC/Bulk Loads Works (Constrction)	79.79
24	Schemes under PFC funding	37.40
25	Schemes under Govt. funding	99.06
TOTAL		1966.88

Appendix - XIII
CONSOLIDATED BALANCE SHEET (T + D)

CONSOLIDATED BALANCE SHEET FOR THE YEAR 2018-19

(Rs. in Crores)

Sch. No	Schedule Note	APTransco	EPDCL	SPDCL	As at 31st March 2019
	NET ASSETS :				
19	Net Fixed Assets				
	Gross Block	12829.64	4840	16123.33	33792.97
	Less: Accumulated Depreciation	(4344.23)	(1056.60)	(7900.29)	(13301.12)
	Net Fixed Assets	8485.41	3783.4	8223.04	20491.85
21	Capital Expenditure in progress	1965.28	487.62	3457.94	5910.84
22	Assets not in use	575.50	4306.33	304.47	5186.30
23	Deferred Costs / Deferred Tax Asset	0.00	0.00	0.00	0.00
24	Intangible Assets	0.00	0.00	0.08	0.08
25	Investments	126.44	239.23	287.43	653.10
	Total Current Assets	2363.59	5078.12	20945.95	28387.66
	Less:Total Current Liabilities				
	Security deposits from consumers	0.00	1762.88	3057.23	4820.11
	Other current Liabilities	2345.22	11161.92	30014.93	43522.07
	Total Current Liabilities	2345.22	12924.80	33072.16	48342.18
	Net Current Assets	18.37	(7846.68)	(12126.21)	(19954.52)
	Subsidy Receivable from Government	0.00	0.00	0.00	0.00
	Accumulated Deficit	0.00	0.00	0.00	0.00
26	NET ASSETS	11170.00	969.90	146.75	12286.65
	FINANCED BY:				
30	Borrowings for working capital	1051.69	551.81	1774.44	3377.94
31	Payments due on Capital Liabilities	0.00	0.00	0.00	0.00
32	Capital Liabilities				
	Long term Provisions	352.45	681.52	1648.79	2682.76
	Other Long term Liabilities	5071.16	2351.60	9393.20	16815.96
33	Funds from State Government	387.10	30.26	9.48	426.84
	GOAP equity	454.44	121.23	358.72	934.39
34	Contributions, Grants and Subsidies towards cost of Capital Assets	1107.96	5088.69	7815.83	14012.48
35	Reserve and Reserve Funds	1177.98	(315.41)	319.30	1181.87
	Deferred Tax Liability	138.84	2.20	0.00	141.04
	Surplus	1428.38	(7542.00)	(21173.01)	(27286.63)
	TOTAL FUNDS	11170.00	969.90	146.75	12286.65

Appendix -XIV

Consolidated Profit and Loss Account for the year 2018-19					
(Rs. in Crores)					
Particulars	TRANSCO	EPDCL	SPDCL	Total (D)	Total (T+D)
<u>A. Revenue</u>					
Revenue from sale of power	0.00	9843.64	16752.58	26596.22	26596.22
Transmission & SLDC Charges-Discoms	0.00	0.00	0.00	0.00	0.00
Transmission & SLDC Charges (Annual fee, Open Access)	1576.75	0.00	0.00	0.00	1576.75
Inter State Sale of Power / UI Charges	0.00	184.76	589.31	774.07	774.07
Capital Contributions	62.76	212.97	380.46	593.43	656.19
Less:Electricity Duty	0.00	99.24	140.17	239.41	239.41
	1639.51	10142.13	17582.18	27724.31	29363.82
Revenue Subsidies and Grants	0.00	1115.24	5078.50	6193.74	6193.74
Other Income	140.85	854.28	1013.46	1867.74	2008.59
Total Revenue:	1780.36	12111.65	23674.14	35785.79	37566.15
<u>B. Operating expenses:</u>					
Purchase of power	0.00	13580.16	25456.63	39036.79	39036.79
Transmission & SLDC charges	0.00	0.00	0.00	0.00	0.00
Operation & Maintenance Expenses	203.51	494.56	479.68	974.24	1177.75
Employee costs	527.87	1430.36	3395.66	4826.02	5353.89
Administration & General Expenses	90.18	94.78	222.97	317.75	407.93
Depreciation	607.54	401.75	826.77	1228.52	1836.06
Incentive to HT consumers	0.00	0.00	0.00	0.00	0.00
Interest and Finance Charges	511.13	443.19	1299.06	1742.25	2253.38
sub-total	1940.23	16444.80	31680.77	48125.57	50065.80
Less: Expenses Capitalised					
R&M, Employee costs, Adm, etc.	91.42	80.17	156.22	236.39	327.81
Interest and Finance Charges	135.22	0.00	169.55	169.55	304.77
	226.64	80.17	325.77	405.94	632.58
Other debits (Misc.write offs etc.)	1.40	0.00	0.00	0.00	1.40
Expenditure on cyclone works (Net)	0.00	0.00	0.00	0.00	0.00
sub-total	1.40	0.00	0.00	0.00	1.40
Total Expenditure	1714.99	16364.63	31355.00	47719.63	49434.62
Contingency Reserve	0.00	0.00	0.00	0.00	0.00
Net prior period Charges/(Credits)	0.00	0.00	0.00	0.00	0.00
Profit / (Loss) Before Tax	65.37	(4252.98)	(7680.86)	(11933.84)	(11868.47)
Extraordinary Items		0.00	0.00	0.00	0.00
MAT Credit entitlement of earlier years	4.54	0.00	0.00	0.00	4.54
Provision for Income Tax & FBT	4.54	0.00	0.00	0.00	4.54
Provision for Deferred Tax	(4.23)	0.00	0.00	0.00	(4.23)
Profit / (Loss) After Tax	69.60	(4252.98)	(7680.86)	(11933.84)	(11864.24)
Net surplus (+)/loss(-)	69.60	(4252.98)	(7680.86)	(11933.84)	(11864.24)

Appendix -XV

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

(Rs. in Crores)

Particulars	This Year 2017-18 T & D (EPDCL,SPDCL)	This Year 2018-19 T & D (EPDCL,SPDCL)
Balance brought forward from last year	(16033.23)	(16033.23)
Surplus/(Deficit) from Revenue Account		(11864.25)
Reserves & Surplus (On Demerger)		
CREDITS :		
Transfer from General Reserve		
APPROPRIATIONS :		
Provision for Deferred Tax liability		
Contingency Reserve		
Adjustment against accumulated losses		
Contribution to Reserve and Reserve Funds		580.85
Sinking Fund for Repayment of borrowings		
General Reserve		
Special safety Reserve		
Balance carried forward	(16033.23)	(27286.63)

ABBREVIATIONS

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