

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

2021-22



**TRANSMISSION CORPORATION OF
ANDHRA PRADESH LIMITED**



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CHAIRMAN & MANAGING DIRECTOR

FOREWORD

APTRANSCO is happy to bring out its statistical treatise “**Power Development in Andhra Pradesh (Statistics) 2021-22**”. It is the Twenty - Second edition published post power sector reforms in Andhra Pradesh and Eighth 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) 2021-22” is prepared with the intention to be of use to the concerned people in the power 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.

K.VIJAYANAND
CMD, APTRANSCO

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1. SALIENT FEATURES

SALIENT FEATURES OF APTRANSCO, APGENCO, and DISCOMs as on 31.03.2022

S.No.	I t e m	Unit	As on 31-03-2021	Achievement in 2021-22	As on 31-03-2022
1.	INSTALLED CAPACITY (AP Share)				
a)	State Sector				
1	Thermal	MW	3410.000	0.00	3410.000
2	Hydel	MW	1797.600	-24.00	1773.600
3	Solar	MW	405.426	0.00	405.426
4	AP Power Development Corp.Ltd	MW	1440.000	0.00	1440.000
5	GGPP(Jegurupadu (GVK))	MW	216.820	-0.82	216.000
	TOTAL STATE SECTOR	MW	7269.846	-24.82	7245.026
b)	Private Sector				
1	IPPs	MW	1321.320	640.000	1961.320
2	Small Hydro	MW	28.700	1.950	30.65
3	Wind	MW	3767.950	0.000	3767.950
4	Co-Generation (Biomass+ Biomass Co-generation & Bagasse Co-generation)	MW	237.500	-35.500	202.000
5	Others (Municipal waste+Industrial waste)	MW	27.810	30.000	57.810
6	Solar	MW	3100.200	250.000	3350.200
	TOTAL PRIVATE SECTOR	MW	8483.480	886.450	9369.930
d)	Share from Central Sector				
1	N.T.P.C Ramagundam -(1-6)	MW	287.770	0.040	287.810
2	N.T.P.C Ramagundam -7	MW	72.270	0.010	72.280
3	N.T.P.C.Talcher Stage II (Units 3,4,5&6)	MW	180.200	0.030	180.230
4	Simhadri TPS (NTPC) -Stg 1	MW	461.100	0.000	461.100
5	Simhadri TPS (NTPC) -Stg 2	MW	210.100	-0.300	209.800
6	Neyveli (Tamilnadu)stage-I	MW	46.690	0.010	46.700
7	Neyveli (Tamilnadu)stage-II	MW	85.550	0.060	85.610
8	Vallur Stage 1,2 & 3	MW	86.150	0.000	86.150
9	Tuticorin , Tamilnadu	MW	121.320	0.010	121.330
10	M.A.P.P (Tamilnadu)	MW	18.130	0.000	18.130
11	Kaiga Nuclear power plant I & II	MW	55.200	0.010	55.210
12	Kaiga Nuclear power plant III & IV	MW	58.890	0.010	58.900
13	Kudankulam Unit1	MW	0.000	0.000	0.000
14	NTPC (Kudgi)	MW	244.560	0.000	244.560
15	New Neyveli Thermal power station (NNTPS)	MW	52.700	0.000	52.700
	TOTAL SHARE FROM CENTRAL SECTOR	MW	1980.630	-0.120	1980.510
	Grand Total (State + Private + Central)	MW	17733.956	861.51	18595.466
2.	Length of Lines				
a)	400 kV	Ckm	5436.73	0.00	5436.73
b)	220 kV	Ckm	11761.53	110.13	11871.66
c)	132 kV	Ckm	11879.92	602.56	12482.48
d)	33 kV	km	27906.24	1169.03	29075.27
e)	11 kV	km	265348.85	9502.40	274851.25
f)	L.T.*	km	365127.66		304116.82
	TOTAL	Ckm	687460.93		637834.20
	* LT line lengths were reconciled for the FY2021-22				
3.	Sub-Stations :				
a)	400 kV	Nos.	16	0	16
b)	*220 kV	Nos.	101	3	103
c)	*132 Kv	Nos.	226	8	232
d)	33 kV	Nos.	3186	40	3226
	TOTAL	Nos.	3529	51	3577
	* No. of 220KV and 132KV Substations were reconciled for the FY 2021-22				
4.	Distribution Transformers	Nos.	1128324	71398	1199722

SALIENT FEATURES OF APTRANSCO, APGENCO, and DISCOMs as on 31.03.2022

S.No.	I t e m	Unit	As on 31-03-	As on 31-03-2022
5.	Electrification of Towns, Villages, Hamlets, etc. (As per 2011 Census)			
	EXISTING			
a)	Towns	Nos. %	195 100%	195 100%
b)	Villages	Nos. %	16158 100%	16158 100%
c)	Hamlets	Nos. %	30103 100%	30103 100.00%
d)	Dalitwadass	Nos. %	35253 100%	35253 100.00%
e)	Weaker Section Colonies	Nos. %	21332 100%	21332 100.00%
f)	Tribal Hamlets/ Habitations	Nos. %	8267 100%	8267 100.00%
6.	Consumers served *			
A)	L.T.Category			
a)	Domestic -I	Nos.	15293063	15553787
b)	Non-domestic/Commercial-II	Nos.	1654122	1708407
c)	Industrial -III	Nos.	111066	104179
d)	Institutional -IV	Nos.	386173	398702
e)	Agricultural -V	Nos.	1887110	1825479
	L.T.Total (a to h)	Nos.	19331534	19590554
B)	H.T.Total	Nos.	14916	14317
	Grand Total (A+B)	Nos.	19346450	19604871
7.	Connected Load			
A)	L.T.Category			
a)	Domestic -I	MW	15290	16800.52
b)	Non-domestic/Commercial-II	MW	3785	4115.37
c)	Industrial -III	MW	2433	2503.62
d)	Institutional -IV	MW	1700	923.52
e)	Agricultural (Including RESCOs) -V	MW	11743	11444.51
	L.T.Total (a to h)	MW	34951	35787.55
B)	H.T.Total	MW	8358.98	8255.19
	Grand Total (A+B)	MW	43309.98	44042.75
			During 2020-21	During 2021-22
8	Energy from APGENCO			
	1. Thermal	MU	16430.37	22009.99
	2. Hydel	MU	3821.86	3698.07
	TOTAL	MU	20252.23	25708.06
	Energy from others	MU	42817.96	43264.57
	Total Energy (8+9)	MU	63070.19	68972.62522
9	Energy Sales category-wise:		During 2020-21	During 2021-22
A)	L.T.Category			
a)	Domestic -I	MU	16473.93	17347.53
b)	Non-domestic/Commercial-II	MU	2462.95	2968.84
c)	Industrial -III	MU	1312.5	1529.07
d)	Institutional -IV	MU	1272.49	1414.03
e)	Agricultural (LIS,Aqua, Poultry etc.) -V	MU	12040.26	12372.39
	L.T.Total	MU	33562.13	35631.86
B)	H.T.Category			
a)	Domestic -I (Town ships & Colonies)	MU	60.64	59.76
b)	Non-domestic/Commercial-II	MU	1192.56	1478.16
c)	General Industrial -III	MU	13331.6	17471.23
d)	Institutional -IV (Religious, Railway,PWS)	MU	1489.21	2251.12
e)	Agricultural (LIS,Aqua, Poultry etc.) -V	MU	2199.45	1194.38
f)	RESCOs	MU	830.92	468.04
B)	H.T.Total	MU	19104.38	22922.69
C)	Total (L.T + H.T)	MU	52666.51	58554.55
10	Total Sales by Discoms including wheeling	MU	57083.39	62278.81
11	Transmission losses	%	2.60	2.76
12	Distribution losses	%	7.31	7.38
13	T & D Losses	%	9.49	9.76
14	Maximum demand during the year	MW	11193 (16/03/2021)	12032 MW (28/03/2022)
15	Per capita consumption	Kwh	1198	1285
16	Revenue			
a)	By sale of Power	Rs. Crores	30613.3	34022.77
b)	By sale of Power-inter state	Rs. Crores	0.58	46.82
c)	Transmission,SLDC,/Miscellaneous/Others	Rs. Crores	6762.75	6538.63
d)	Subsidy/Grants	Rs. Crores	10265.44	8045.75
	Total (a+b+c+d)	Rs. Crores	47642.07	48653.97
17	Capital Expenditure (TRANSCO)	Rs. Crores	1077.89	853.51

* Consumer Services are reconciled

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)	Generation (MU)	Peak Demand (MW)	consumers served (Lakhs)
		APGENCO & A.P.G.P.C.L	Central	Others				
1	Pre-Plan	43.10	-	-	43.10	104	22.6	0.30
2	1st Plan (1951-56)	55.80	-	-	98.90	239	54.6	1.19
3	2nd Plan (1956-61)	114.10	-	-	213.00	784	190	1.21
4	3rd Plan (1961-66)	77.60	-	-	290.60	1399	258	2.55
5	3 Annual Plans (1966-69)	323.00	-	-	613.60	2277	440	3.02
6	4th Plan (1969-74)	58.00	-	-	671.60	3106	652	5.94
7	5th Plan (1974-78)	895.00	-	-	1566.60	5148	970	2.21
8	2 Annual Plans (1978-80)	392.00	-	-	1958.60	6493	1055	5.34
9	6th Plan (1980-85)	1205.30	162.00	-	3325.90	50151	2158	13.95
10	7th Plan (1985-90)	669.81	555.00	-	4550.71	69314	3070	28.36
11	2 Annual plans (1990 - 92)	341.00	90.00	-	4981.71	36361	7168	9.91
12	8th Plan (1992-97)	1408.00	90.00	289.19	6768.90	104128	5022	24.37
13	9th Plan (1997-02)	626.00	603.00	1058.00	9055.90	140085	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	0	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	5674.87*	1750.85	8450.70	15876.42		7965	171.82
31	As on 31.03.2018	6813.026**	2330.55	8434.83	17578.41		8983	178.21
32	As on 31.03.2019	7429.85	2403.16	8644.19	18477.20		9453	185.06
33	As on 31.03.2020	7429.85	2529.81	9670.47	19630.126		10207	187.05
34	As on 31.03.2021	7269.85	1980.63	8483.48	17733.956		11193	193.46
35	As on 31.03.2022	7062.420	1980.510	9769.936	18812.866		12032	196.04

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

2.2 PROGRESS UNDER FIVE YEAR PLANS - TRANSMISSION AND DISTRIBUTION

S.No.	Plan Period	As on	NUMBER OF SUB-STATIONS						TRANSMISSION Lines in (CKM) AND DISTRIBUTION LINES in (KM)							
			400 kV	220 kV	132 kV	66 kV	33 kV	Total	400 kV	220 kV	132 kV	66 kV	33 kV	11 kV	L.T	Total
1	End of 2nd Plan (1956-61)	31.3.1961			6		65	71			-	-	2883	11917	13738	28538
2	3rd Plan (1961-66)	31.3.1966			11	35	127	173			1872	2210	4789	18680	23525	51076
3	3 Annual plans (1966-69)	31.3.1969		2	17	35	143	197		637	2012	2242	5274	24260	33863	68288
4	4th Plan (1969-74)	31.3.1974		6	25	18	248	297		1140	2848	2234	6620	42879	65805	121526
5	5th Plan (1974-78)	31.3.1978		10	29	20	340	399		1725	3160	2091	8615	53678	88886	158155
6	2 Annual Plans (1978-80)	31.3.1980		15	42	20	554	631		2437	4322	2091	9178	63541	107588	189157
7	6th Plan (1980-85)	31.3.1985		19	64	11	781	875		4221	6642	1811	15656	100943	238532	367805
8	7th Plan (1985-90)	31.3.1990		29	106	10	1131	1276		5385	7769	1570	19545	122903	295170	452342
9	2 Annual plans (1990 - 92)	31.3.1992		37	123	10	1250	1420		5978	8806	833	21168	136553	340326	513664
10	8th Plan (1992-97)	31.3.1997		54	162	4	1652	1872		7978	10524	266	25811	158850	426778	630207
11	9th Plan (1997-02) ✨	31.3.2002	3	69	186	0	1941	2199	1301	10341	12413	0	30558	165564	442209	662386
12	10th Plan (2002-03)	31.3.2003	3	73	191	0	2123	2390	2033	10940	12793	0	32305	178321	467313	703704
13	10th Plan (2003-04)	31.3.2004	3	76	210	0	2329	2618	2033	11127	13030	0	32732	186988	473928	719839
14	10th Plan (2004-05)	31.3.2005	3	78	229	0	2474	2784	2033	11462	13351	0	33580	202547	486191	749164
15	10th Plan (2005-06)	31.3.2006	7	79	243	0	2642	2971	2686	11570	13894.6	0	34856	215008	504820	782835
16	10th Plan (2006-07)	31.3.2007	7	82	256	0	2821	3166	2816	11784.3	14313.4	0	35950	224688	513166	802718
	Total 10th Plan		4	9	65	0	698	776	783	844.177	1521	0	3645	46368	45853	99014
17	11th Plan (2007-08)	31.3.2008	8	90	264	0	3023	3385	2988	12236.3	14706.1	0	37206	234148	517685	818969
18	11th Plan (2008-09)	31.3.2009	9	93	269	0	3355	3726	3009	12502.6	14938.6	0	38628	248670	527852	845599
19	11th Plan (2009-10)	31.3.2010	9	96	277	0	3714	4096	3172	12693.2	15103.5	0	40033	260406	532656	864064
20	11th plan (2010-11)	31.3.2011	10	99	295	0	3887	4291	3307.9	12877.7	15586.9	0	40432	270167	542716	885088
21	11th plan (2011-12)	31.3.2012	10	109	309	0	4056	4484	3308	13622.6	15915.2	0	41149	280159	551959	906113
	Total 11th Plan		2	19	45	0	1033	1099	320	1386	1209	0	3943	46011	34274	87144
22	12th plan (2012-13)	31.3.2013	1	8	5	0	313	327	804	296	345	0	1314	10060	7880	20698
23	12th plan (2013-14)	31.3.2014	1	3	17		305	326	145	471	382	0	1467	10712	6552	19728
24	12th plan (2014-15) #	31.03.2015	0	0	3	0	109	112	302	243	157	0	512	11603	12959	25775
25	12th plan (2015-16)	31.03.2016	0	4	12	0	95	111	235	456	328	0	556	7581	8213	17369
26	12th plan (2016-17)	31.03.2017	4	9	11	0	38	62	715	594	307	0	164	25620	23586	50986
27	FY 2017-18		1	3	14	0	132	150	955	484	629	0	1024	8312	6475	17879
28	FY 2018-19		0	6	7	0	51	64	0	399	517	0	435	9617	16634	27602
29	FY 2019-20		0	3	7	0	89	99	0	255	198	0	1032	12260	8243	21988
30	FY 2020-21		1	1	6	0	63	71	127	75	444	0	673	12805	4200	18324
31	FY 2021-22		0	3	8	0	40	51	0	110	603	0	894	16281	2015	19904

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

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

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

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

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

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

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

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

Data for residual AP

2.3 PROGRESS UNDER FIVE YEAR PLANS - RURAL ELECTRIFICATION

(Figures in Nos.)

S.No.	Plan Period	Period (at the end of) as on	Distribution Transformers	Towns and Villages electrified	Hamlets electrified	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	FY 2017-18	31.03.2018	875547	16353	29287	36312	1720670
31	FY 2018-19	31.03.2019	949799	16353	29287	36312	1807100
32	FY 2019-20	31.03.2020	1020639	16353	29287	36312	1812376
33	FY 2020-21	31.03.2021	1128324	16353	29287	36312	1887110
34	FY 2021-22**	31.03.2022	1199722	16353	30103	35253	1825479

* As per 2001 Census

From 10th Plan onwards AGL pumpsets includes RESCO services

Figures indicate for residual AP

** Figures are reconciled.

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	FY 2017-18	2017-18	28600.38	11480.38	32798.09
27	FY 2018-19	2018-19	33792.97	13301.12	37566.15
28	FY 2019-20	2019-20	37786.20	15453.69	42938.44
29	FY2020-21	2020-21	41294.87	17629.12	47642.07
30	FY2021-22	2021-22	44375.77	19897.56	48370.09
* From 1999-2000 ,A.P.TRANSCO + DISCOMS					

2.5 OUTLAY ON POWER DEVELOPMENT IN A.P

(Rs. Crores)

S.No.	Plan	Period	Transmission	Distribution	Rural Electrification	Others @	Board's Plan Expr.	Additionality	Outside Plan	Total Board Expr.	State Plan Expenditure	% of Board's Plan Expr. To State Expr.
1	1st Plan	1951-56	----- NOT AVAILABLE -----				37.84	-	-	37.84	96.78	39.10
2	2nd Plan	1956-61	-	17.78	-	0.21	17.99	-	-	17.99	188.60	9.54
3	3rd Plan	1961-66	8.52	21.81	-	0.40	30.73	-	-	30.73	352.42	8.72
4	Three Annual Plans	1966-69	22.14	19.21	-	0.91	42.26	-	-	42.26	234.06	18.06
5	4th Plan	1969-74	13.44	54.31	-	0.62	68.37	-	-	68.37	448.87	15.23
6	5th Plan	1974-78	35.05	51.92	-	0.47	87.44	-	-	87.44	1004.28	8.71
7	Two Annual Plans	1978-80	40.02	51.48	-	0.22	91.72	-	-	91.72	899.60	10.20
8	6th Plan	1980-85	159.33	82.40	104.62	0.91	347.26	-	96.68	443.94	3237.07	10.73
9	7th Plan	1985-90	149.68	220.44	71.95	31.35	473.42	119.31	385	977.73	5976.60	7.92
10	2 Annual Plans	1990-92	112.73	124.78	41.59	48.97	328.07	242.45	217.18	787.70	3027.38	21.54
11	8th Plan	1992-97	278.17	476.94	123.43	126.51	1005.05	1749.25	525.29	3279.59	13606.58	7.39
12	9th Plan	1997-02	1210.55	958.57	108.57	313.06	2590.75	2215.01	257.21	5062.97	27790.75	10.22
13	10th Plan	2002-03	362.62	983.54						1346.16	--	--
14	10th Plan	2003-04	248.01	1247.62						1495.63	--	--
15	10th Plan	2004-05	415.38	1301.79						1717.17	--	--
16	10th Plan	2005-06	358.18	1263.50						1621.68	--	--
17	10th Plan	2006-07	499.46	1515.18						2014.64		
18	10th Plan Total	2002-07	1883.65	6311.63						8195.28		
19	11th Plan	2007-08	482.06	1754.42						2236.48		
20	11th Plan	2008-09	555.91	1872.75						2428.66		
21	11th Plan	2009-10	906.91	1942.43						2849.34		
22	11th Plan	2010-11	1092.35	1577.26						2669.61		
23	11th Plan	2011-12	1221.00	2019.16						3240.16		
24	11th Plan Total	2007-2012	4258.23	9166.02						13424.25		
25	12th Plan	2012-13	1135.57	2540.79						3676.36		
26	12th Plan	2013-14	1372.97									
27	12th Plan	2014-15	968.70									
28	12th Plan	2015-16	2148.45									
29	12th Plan	2016-17	2300.45									
30	FY 2017-18	2017-18	1412.15									
31	FY 2018-19	2018-19	1966.89									
32	FY 2019-20	2019-20	1387.65									
33	FY 2020-21	2020-21	1077.89									
34	FY 2021-22	2021-22	853.51									

@ 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							
	Srisaillam 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
	Srisaillam Unit - I & II	MW	--	--	220	--	--	220
	Srisaillam Unit - III	MW	--	--	--	110	--	110
	Srisaillam 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	4760.2

3.2 ACHIEVEMENTS IN SIXTH FIVE YEAR PLAN - PHYSICAL

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

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

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

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

3.4 ACHIEVEMENTS IN SEVENTH FIVE YEAR PLAN - PHYSICAL

S.No.	I t e m	Unit	Target for 7th plan approved by Plg. Commission	1985-86	1986-87	1987-88	1988-89	1989-90	Total for 7th plan
I	State Sector								
1	Nagarjunasagar Pumped Storage HES Stage-III (3rd unit 100 MW)	MW	100.80	100.80	--	--	--	--	100.80
2	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. Commission	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 Yeddemailaram (87-88), A.P.Carbides and Paloncha (88-89) and Bhimadole, Ramagundam & Warangal(89-90) 132 KV SSs are upgraded to 220kV . Also old 132kV Garividi SS is sold out in 1988-89.

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

4.1 ANNUAL PLAN 1990-91

(Rs.in Lakhs)

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

4.2 TARGETS AND ACHIEVEMENTS IN ANNUAL PLANS 1990-91 & 91-92

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

\$ Garividi (90-91) and Kalikiri (91-92) 132 KV SSs are upgraded to 220 KV.

4.3 ANNUAL PLAN : 1991 - 92

Rs. in lakhs

S.No.	Name of the Scheme	Capacity MW	PLAN PROVISION		Actual Expenditure
			Budget Estimate	Revised Estimate	
A.	NORMAL PLAN				
1.	Generation				
a)	Continuing Schemes				
1	Srisaïlam 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	Srisaïlam 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	125	-- 284.00
2	Kothagudem TPS - 2nd Phase		604		--
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)

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.	Srisailem 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.	Srisailem 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.

				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
		9023.00	+531.00	+215.00	+39.00	+48.00	+1901.00	+2734.00

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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	
III	TRANSMISSION.	45000.00	8397.00	5593.00	4580.00	5931.00	3316.00	27817.00
		+15000.00	+5888.00	+6741.00	+9574.00	+4026.00	+2780.00	+29009.00
IV	DISTRIBUTION AND SYSTEM IMPROVEMENT	65000.00	11341.00	12491.00	9000.00	7135.00	7727.00	47694.00
		+10000.00	+915.00	+2809.00	+13699.00	+2655.00	+5202.00	+25280.00
V	RURAL ELECTRIFICATION.	11000.00	2100.00	1632.00	3000.00	2988.00	2623.00	12343.00
VI	SURVEY AND INVESTIGATION	500.00	75.00	89.00	110.00	111.00	68.00	453.00
a)	SUB-TOTAL I to VI (Plan) (I TO VI)	284515.00	57107.00	53630.00	57845.00	79948.00	64968.00	313498.00
	SUB-TOTAL I to VI (Additionalily)	75523.00	+20752.00	+25934.00	+50689.00	+45815.00	+31735.00	+174925.00
	SUB-TOTAL I to VI	360038.00	77859.00	79564.00	108534.00	125763.00	96703.00	488423.00
b)	Cyclone Emergency Reconstruction Project (CERP).	14047.00	6262.00	6389.00	--	--	--	12651.00
c)	OUT SIDE PLAN		7541.00	15606.00	13151.00	11128.00	5103.00	52529.00
	Grand Total	374085.00	91662.00	101559.00	121685.00	136891.00	101806.00	553603.00

4.5 ACHIEVEMENTS IN EIGHTH FIVE YEAR PLAN - PHYSICAL

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

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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)	-	(-1)	-	-	(-1)	-	(-6)			
e)	33 KV SS	Nos.	300	67	130	75	82	(-2)	49	(+1)	403	(-1)			
	Sub-total (a to e)	Nos.		83	(-2)	156	(-4)	84	(-3)	86	(-4)	57	(-1)	466	(-14)
f)	400 KV Lines	Ckm.	380	-	-	-	-	-	-	-	-	-			
g)	220 KV lines	Ckm.	2765	266	778	478	289	189	2000						
h)	132 KV lines	Ckm.	2274	550	675	261	44	188	1718						
i)	66 KV lines	Km	-	-	(-485)	-	(-14)	-	-	-	(-68)	0	(-567)		
j)	33 KV lines	Km	-	1135	1097	1232	735	409	4608						
	33 KV UG Cable	Km					-	35	35						
k)	11 KV lines	Km	-	6115	5675	5200	2439	2624	22053						
	11 KV UG Cable	Km					-	244	244						
l)	LT lines	Km	-	24807	25490	20796	10519	4840	86452						
	Sub-total (f to l)	Km		32873	(-485)	33715	(-14)	27967	14026	8529	(-68)	117110	(-567)		
	Distribution Transformers	Nos.		10715	7600	12001	10147	6185	46648						
	Services Released (Excl.Agl.)	Nos.	2676550	550318	369370	339654	508690	437855	2205887						
IV	Rural Electrification														
a)	Villages electrified	Nos.		-	-	-	-	-	0						
b)	Hamlets electrified	Nos.		835	792	1200	54	80	2961						
c)	Dalitwadas electrified	Nos.		1357	1395	1750	765	302	5569						
d)	Weaker Section Colonies Electrified	Nos.		1164	1216	1500	784	322	4986						
e)	Pumpsets energised	Nos.	250000	124077	102177	96160	37186	148210	507810						

 Yerraguntla & Kalwakurthy(93-94), Nandyal & Anathapur(94-95),Renigunta & Moulali(95-96) and Chillakallu (96-97) 132kV SSs are upgraded to 220kV.

**5. NINTH FIVE YEAR PLAN (1997-2002),
TENTH FIVE-YEAR PLAN (2002-2007),
ELEVENTH PLAN (2007-12),
TWELFTH PLAN (2012-17)
AND
ACHEIVEMENTS FROM 2017-18 TO 2021-22**

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

Rs. In.Crores

Sl.No	Name of the Scheme	Ninth Plan Provision	Actuals 1997-98	Actuals 1998-99	Actuals 1999-00	actuals 2000-01	Actuals 2001-02	Total 9th plan
I	A.P.GENCO PLAN							
	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. Illrd Unit			0.03	0.02			0.05
	N.S.Left Canal HES Scheme			0.06	0.02			0.08
	Penna Ahobilam H.E.Scheme	0.50	0.30	0.34	0.05			0.69
	Upper Sileru H.E.S. Scheme-II	1.00	0.84	0.54	0.01			1.39
	Mini Hydel Schemes	16.50	0.46	0.31		0.08	5.13	5.98
	R&M Works of KTPS	22.71	92.59	10.33	8.37			111.29
	Singur H.E.S	16.00	0.48	5.36	1.14	2.21	0.96	10.15
	Rayalaseema TPS Stage-II(2x210 MW)	244.64					5.76	5.76
	HPCL-APSEB(500 MW) Joint Venture					0.70	5.00	5.70
	Jurala HES						1.00	1.00
	SURVEY & INVESTIGATION	7.50	0.60	0.68	0.18	4.87	9.11	15.44
	Plan Total	1616.19	588.56	513.73	291.11	270.63	169.94	1833.97
II	ADDITIONALITY							
	SLBPH & RTPP Stg I	448.00			0.50	104.21	7.04	111.75
	VTPS Stg III		114.31	16.61	14.38			145.30
	KTPS'A'					13.78	39.75	53.53
	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							Rs. In.Crs
		Ninth Plan	Actuals	Actuals	Actuals	Actuals	Actuals	Total
		Provision	1997-98	1998-99	1999-2000	2000-01	2001-02	9th plan
	APTRANSCO							
	PLAN							
I	TRANSMISSION (Normal)	321.58	69.29	59.28	86.66			215.23
	a)Srisaillam Transmission	478.79	21.43	95.80	233.81	51.34	37.40	439.78
	b)Vizag & Simhadri Tr.Scheme	796.40			0.09	142.47	260.48	403.04
	c)(BPL) Ramagundam	50.00						
	d)APL-1 scheme					99.87	35.60	135.47
	e)A.P.Hazard Mitigation Project					11.60	0.23	11.83
	f) Krishnapatnam				5.20			5.20
	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)	Dalitwadass electrified	Nos.	5000	263		537		516		260		669		2245	
d)	Weaker Section Colonies Electrified	Nos.	5000	276		512		933		127		816		2664	
e)	Pumpsets energised (Including RESCOs)	Nos.	250000	33486		59997		48227		6660		267479	**	415849	

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

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

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

5.3 ACHIEVEMENTS IN TENTH FIVE YEAR PLAN -FINANCIAL (2002-03 TO 2006-07) - APTRANSCO							
							(Rs in Crs)
S No	Details	Tenth Plan Provision	2002-03	2003-04	2004-05	2005-06	2006-07
I	Transmission Plan						
1	Simhadri Tr. Scheme	2904.47	150.29	101.48	29.75	6.64	1.29
2	Ramagundam Tr. Scheme		0.49	0.09	0.09	12.26	
3	Krishnapatnam Tr. Scheme		0.66				
4	Mahaboobnagar 400 kV Substation		0.01	2.21	24.71	9.67	2.35
5	400 kV Substations at Nellore & Chittoor			4.19	57.43	24.14	4.34
6	Short Gestation Tr.Scheme -I				48.33	13.57	0.53
7	Short Gestation Tr.Scheme - II					1.00	0.10
8	Srisailem Tr. Scheme (OECF)		2.07	1.69			1.38
9	APL1		24.12	17.64			
10	APL1 (Supplemental)		0.44		5.02	18.86	2.76
11	APL2		1.120		15.12	25.81	
12	REC Scheme		0.08	58.21	121.21	88.58	74.40
13	DFID			1.89	5.23	5.60	0.09
14	APHM & ECRP					0.29	0.15
15	PFC		183.34	14.32		74.29	141.20
16	NORMAL PLAN			46.29	45.6	29.54	42.28
17	Boundary Metering scheme/Twin cities Transmission project(*)					0.00	
18	Others				62.89	47.93	228.59
	Sub Total I	2904.47	362.62	248.01	415.38	358.18	499.46
II.	Distribution Plan						
(I)	Distribution & System Improvements	2295.23	983.54	1247.62	1301.79	1263.50	1515.18
(ii)	Rural Electrification						
(iii)	T&D Improvements						
(iv)	AP Energy efficiency project						
(v)	AP Power Sector Restructuring project-APL1						
(vi)	AP Hazard Mitigation Project						
(vii)	APDRP						
(viii)	HVDS						
(ix)	OECF						
	Sub Total II	2295.23					
III	Additionality (Transmission & Distribution)		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									
S No	ITEM	Unit	Tenth Plan (2002-07) Target	2002-03	2003-04	2004-05	Provisional		
				Achievement	Achievement	Achievement	2005-06	2006-07	Total X plan
							Achievement	Achievement	
1	Electricity Sales	MU	179638	31632	34084	37618	39652	44850	187836
2(I)	Transmission Lines								
a)	400 kV	CKM	2814	732	---	---	653	130	1515
b)	220 kV	CKM	5104	599	187.18	334.80	107.87	214.31	1443.16
c)	132 kV	CKM	2245	379	237.76	320.42	543.84	418.744	1899.764
2(II)	Sub-Stations								
a)	400 kV	Nos	11	---	---	---	4	---	4
b)	220 kV	Nos	31	4	3	2	1	3	13
c)	132 kV	Nos	73	5	19	19	15	13	71
d)	33 kV shunt capacitor banks	MVAR	---	55	10	35	10	160	270
e)	132 kV shunt capacitor banks	MVAR	---	150	60	---	---	--	210
3	Distribution & SI								
a)	33 KV Sub-stations	Nos	600	182	206	145	168	179	880
b)	Release of LT services other than agriculture	Nos	3000000	566141	916179	705295	706895	968299	3862809
c)	Release of HT Services	Nos	2070	411	376	495	550	828	2660
4	Rural Electrification								
a)	Laying of conventional lines in villages already electrified with SPV Panels	Nos	1689	78	173	335	-	-	586
b)	General Hamlets	Nos	4636	285	258	696	255	24	1518
c)	Electrification of Dalitwadass	Nos	5464	1586	3877	2983	1886	2602	12934
d)	Electrification of Weaker section colonies	Nos	5503	1757	1804	1239	1295	1683	7778
e)	Tribal Hamlets	Nos		581	2531	1526	927	1174	6739
f)	Energisation of Agricultural pumpsets	Nos	250000	50917	51636	64760	66458	86977	320748

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

Note:Srisailem LBPH 600 MW was added during 2002-04 of 10 th Plan by APGENCO.

111 MW of Non conventional (NEDCAP) power was commissioned during 2002-03

The 1st and 2nd units at NTPC/Talcher-II were commissioned on 4-01-2003 and 25-10-2003 respectively and AP has got a share of 106.25 MW each from these units.

5.6 Proposed Capacity Additions During 11th plan period (2007-08 to 2011-12)								
Sl. No.	Name of the Project	Capacity Envisaged (MW)	2007-08	2008-09	2009-10	2010-11	2011-12	Total 11th Plan
I	State Sector (APGENCO)							
	Rayalaseema TPP Stg-II (2X210) Unit -II	210	210					210
	Rayalaseema TPP Stg-III (1X210)	210				210		210
	Vijayawada TPS Stage-4	500			500			500
	Kakateeya TPS (Bhupalapalli) Stg-I (1X500)	500			500			500
	Kothagudem Stg-6 (1X500)	500					500	500
	Jurala Hydro Plant (6X39)	234	39	39	39	78	39	234
	Pochampad HES Unit – 4 (1X9)	9				9		9
	Other State Sectors						2.2	2.2
	Total State Sector	2163	249	39	1039	297	541.2	2165.2
II	Private Sector (Gas Based)							
	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							
	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)							
	Total Capacity Programmed in 11th plan	4226.56	385.28	45.66	2198.27	377.52	873.45	3880.18

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

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

5.8 ACHIEVEMENTS IN 11th FIVE YEAR PLAN -FINANCIAL APTRANSCO

(Rs in Crs)

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

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

Sl. No.	Name of the Project	2012-13	2013-14	2014-15	2015-16	2016-17	Total 12th Plan
I	State Sector (APGENCO)						
1	Nagarjuna Sagar Tail Pond (2x25MW)					50	50
	Lower Jurala (6x40MW)						0
	Pulichintala (4x30MW)						0
	Polavaram (12x80MW)						0
	Vijayawada TPS Stage V (1x800 MW)						
	Rayalaseema TPP Stage IV Unit 6 (1x600 MW)						
	Kakatiya TPP Stage II (1x600 MW) Unit-2						
	Kakatiya TPP Stage III (1x800 MW) Unit-1						
	Kothagudem TPS Stage VII (1x800 MW)						
	Krishnapatnam TPP (JVP) Stage I (2x800 MW)			800			800
	Krishnapatnam TPP (JVP) Stage II (1x800 MW)				800		800
	Karimnagar Gas PP Stage I (1X700MW)						0
	Karimnagar Gas PP Stage II (2X700MW)						0
	Vodarevu Ultra mega power Project (5x800MW)						0
	Ramagundam TPS (2x660)						
	Srikakulam Thermal power plants(4x600)						0
	Solar					5.426	5.426
	Sub-Total State Sector	0	0	800	800	55.426	1650
II	Medium / Case-1 Bid						
	Corporate Power (MT)						
	KSK Mahanadi (MT)						
	East Coast Energy Pvt Ltd (Srikakulam)						0
	Thermal Power Tech Ltd.(Nellore)				230.55		230.55
	Krishnapatnam Power Corp.Ltd.(Nellore)						0
	Sub-Total	0	0	0	230.55	0	230.55
III	Private Projects						
	Hinduja Power Plant				520	520	1040
	Krishnapatnam Ultra Mega Power Project (2x800MW)						0
	Singareni						0
	UMPP Cheyyur						0
	Sub-Total	0	0	0	520	520	1040
IV	Non-conventional Projects						
	Wind	193.90	232.60	285.2	400.1	2187.45	3299.25
	Solar	2.00	23.00	72.7	435.49	1295.76	1828.95
	Mini Hydel						0
	Bio-Mass,Bagasse Co-generation,Industrial Waste,Municipal 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 Dalitwadass	Nos	0	7	87	3	0	97
d)	Electrification of Weaker section colonies	Nos	0	0	0	0	0	0
e)	Tribal Hamlets	Nos	0	10	47	128	543	728
f)	Energisation of Agricultural pumpsets	Nos	0	0	60828	72360	75403	208591

5.11 ANNUAL ACHIEVEMENTS FROM 2017-18 TO 2022 - PHYSICAL

S No	ITEM	Unit	2017-18	2018-19	2019-20	2020-21	2021-22
			Achievement	Achievement	Achievement	Achievement	Achievement
1	Electricity Sales	MU	49945	54950	56116	52667	58555
2(I)	Transmission Lines						
a)	400 kV	CKM	955.04	748.64	-	127.2	0
b)	220 kV	CKM	484.15	399.17	254.94	74.57	110.13
c)	132 kV	CKM	628.80	517.46	179.97	444	602.56
2(II)	Sub-Stations						
a)	400 kV	Nos	1	4	-	1	-
b)	220 kV	Nos	3	6	7	1	3
c)	132 kV	Nos	14	6	8	6	8
d)	33 kV shunt capacitor banks	MVAR	64.8	122.4	14.4	14.4	0
e)	132 kV shunt capacitor banks	MVAR	0	0	0	0	0
3	Distribution & SI						
a)	33 KV Sub-stations	Nos	132	51	89	63	40
b)	Release of LT services other than agriculture	Nos	574152	598217	759888	533082	659314
c)	Release of HT Services	Nos	672	883	1069	504	1195
4	Rural Electrification						
a)	Laying of conventional lines in villages already electrified with SPV Panels	Nos	0	0	0	0	0
b)	General Hamlets	Nos	0	0	0	13	0
c)	Electrification of Dalitwadas	Nos	0	0	0	3	0
d)	Electrification of Weaker section colonies	Nos	0	0	0	33	0
e)	Tribal Hamlets	Nos	0	0	0	0	0
f)	Energisation of Agricultural pumpsets	Nos	63412	86430	65565	74734	71276

5.12 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

5.13 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,Chittor 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	Rennovation & 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 Srisaillam 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 strenthening 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 (Constrecton)	79.79
24	Schemes under PFC funding	37.40
25	Schemes under Govt. funding	99.06
TOTAL		1966.88

5.15 ACHIEVEMENTS IN 2019-20 -FINANCIAL APTRANSCO

Sl.No.	Particulars	Amount (Rs. In Crores)
1	400 KV DC line from Vemagiri to K. Kota	68.86
2	400 KV DC line from Sattenapalli to Podili	17.75
3	LILO of 400/220 KV line reactor & Trans bay at Podili	
4	400 KV Bay extension at Sattenapalli	
5	315 MVA Transformers bay at Vemagiri	
6	125 MVAR bus reactor at Sattenapalli	
7	Erection portion of 315 MVA transformer at Manubolu	10.57
8	400 KV SS at Gudivada land acquisition	
9	Survey of 400 KV DC line from Gudivada to CH.PET	14.45
10	400/220 KV SS at Tallayapalem	0.38
11	500 MVA Transformer at Manubolu	0.48
12	PE-12-04 Rayalaseema (stage-IV) power trans scheme	26.28
13	400/200 KV Talaricheruvu SS & 400 KV twin RTPP - Peddajangampalli	20.81
14	LILO of RTPP(IV) - CTR to Kalikiri SS	0.01
15	315 MVA PTR at 400 KV SS Chittoor	0.01
16	RMI works of 2017-18 CETRANS	126.50
17	400/200/132 KV Rachaguneri SS	0.00
18	RNV & UG of PROY sys CETRANS	9.67
19	Bay FR 3rd 315 MVA & 80 MVA react at JMD	0.06
20	Indent for Thermoviso scanner	0.08
21	Indent for drawls telecom panels 400 CTR	14.04
22	Kurnool 400 KV quad bay EXTENS	0.32
23	125 MVAR bus reactor at chittor	0.02
24	PROC. of desktops, printers - 400 KV O & M VSP	0.64
25	1 No 500 MVA T/F at Kalpaka 400 KV SS	1.19
26	AUG of PTR 400 KV Maradam (3rd 500 MVA) & Erection of 400 KV QMDC line from 400 KV Kalapaka SS to proposed 400 KV SS Maradam (Garividi)	0.01
27	400 KV Polavaram HPS- Guddigudem QMDC Line	1.35
28	Civil, Const., Erection, Testing & Commng. Of bay extn of 125 MVAR Bus reactor at 400 KV Vemagiri SS & 125 MVAR Bus reactor at Vemagiri	0.21
29	Orders paid to O & M works	2.94
30	Renovation & Modernisation Scheme	80.50
31	Augmentation (REC)	131.32
32	Augmentation (Govt. Funding)	130.53
33	Schemes under Normal Plan	15.24
34	Schemes under Bank funding	393.59
35	Schemes under REC funding	54.32
36	Schemes under DC/Bulk Loads Works (Lift Irrigation)	53.84
37	Schemes under DC/Bulk Loads Works (Constrction)	49.63
38	Schemes under PFC funding	162.05
39	Schemes under Govt. funding	
TOTAL		1387.65

5.16 ACHIEVEMENTS IN 2020-21 -FINANCIAL APTRANSCO

Sl.No.	Particulars	Amount (Rs. In Crores)
1	220/132/33 KV SS at Tiruvuru in krishna	3.98
2	Erection of 125 MVAR 400 KV Bus Reactors	39.43
5	132/33KV SS at T.Narasapuram & Lines	3.32
6	132/33KV SS at Nallacheruvupalli in Kadapa	8.18
7	132/33KV SS at Ananthasagaram in SPSR NE	22.50
8	132/33KV Feat at 220 KV Pallantla SWT.S I	4.08
9	2nd Ckt on 132KV Martur -Yadavali Line	1.08
10	2nd Ckt from 132kV Pamarru-Avanigadda DC	0.28
11	2nd Ckt from 132kV SS Nuzvidu-Khambampad	0.66
12	2nd Ckt on 132 KV Tadikonda - Gujjanagundla	0.19
13	2nd Ckt from 132kV Gudur-Chendodu DC/SC I	3.20
14	2nd Ckt on 132KV Repalle-Bapatla DC/SCLN	0.28
15	2nd Ckt on 132KV Repalle-Chakrapalem	0.26
16	2nd Ckt STRNG from 220KV Podili-Darsi SS	2.11
17	2nd Ckt from 220KV Podili-Lingasamudram	3.30
18	2nd Ckt from 132kV Medarametla to Addank	1.56
19	R/O panther cond with HTLS-Undi-Bhvrn LN	6.61
20	R/O LYNX COND with HTLS-GDL-Autonagar	0.96
21	Erect. of 132/33kV SS Dwaraka Tirumala W	2.21
22	Erect. of 132/33kV SS Dharmajigudrm in W	1.11
23	LILO of existing 132kV Bhimadole-Nidadav	1.10
24	132kV Chilakalu -Nandigama DC/SC line KR	0.23
25	220/33kV SS Ammavaripalli, Ananthpur DIST	0.60
26	33KV feat. at 220/132KV SS Bobbili growth	2.08
27	LILO OF 220Kv Tadikonda - Ongole SC line G	1.42
28	33kV Feat.at 220/11kV LIS SS Purushothap	2.05
29	33KV features at 220/11KV SS Pattiseema	0.74
30	Erection of 220/33kV SS Akiveedu in West	7.18
31	33KV FEAT. 220/33kV Bavojiipeta (Korukonda	1.79
32	132&33KV features - 220/11KVSS Ramavaram	4.93
33	220/33kV SS at Chinturu in East Godavari	1.52
34	Erection of 400 GIS ss at Thallayapalem	101.36
35	220KVDC LN Lower Sileru-Rampachodavaram & BA	0.90
36	Tadikonda-Marripalem LILO to Gujjanagund	0.21
37	Erec.of 33kv FET.at 220/11 KV Nansuralla	0.74
38	Erec.of 33kv FEAT.at 220/11KV Krishnagir	0.69
39	Erec. of 132/33 kv Ulavapadu ss, Prakasam	1.93
40	220kv DC line from 400 KV K.Kota - Bhimadole	1.31
41	Erec. of 220 KV & 132 KV SS under VCIC	37.11
42	Upgrad. 132/33 KV SS Simhachalam - 220/132 KV	26.14
43	125 MVAR bus reactors at Chittoor, Satte	0.73
44	132/33 KV SS AIIMS at Mangalagiri	1.77
45	33 KV features at 132/33 KV Madakasira SS	43.19
46	132/33 KV SS at Penumur, Chittoor Dist.	69.54
47	400/220 KV SS at Podili, Prakasam Dist.	21.20

Sl.No.	Particulars	Amount (Rs. In Crores)
48	132/33 KV SS at Srikakulam town, SKLM DisT.	0.36
49	132/33 KV SS at Vinjamur, Nellore District	0.11
50	132/33kv Ramasamudram SS, Chittoor Dist.	7.44
51	220/132 KV SS at Dharmavaram, ATP Dist	11.99
52	132/33 KV SS at Pachikapallam, Chittoor	2.12
53	33 KV features at 220 KV Rentachintala SS	0.35
54	220 KV DC line from Gunadala to Nunna	7.41
55	132/33 KV SS at Yernagudem, WG Dist.	0.51
56	220 KV DC line from Manubolu - Sullurpet	0.13
57	132/33 KV G.Ghodavaram SS & Lines	3.14
58	132/33 KV SS at Narayanapuram, WG Dist.	1.86
59	Erection of Chigurukota 132 KV SS Krishna	0.11
60	Erection of Narasapuram 132 KV SS Krishna	0.31
61	960 MW Hydal Power Project at Polavaram	26.15
62	500 MW Solar Power Project - APGENCO, ATP	4.82
63	PE Solar Power evacu 400kv Gani KNL Dis	1.15
64	Rayalaseema (stage-iv) power trans.scheme	0.67
65	Wind Power eavcu PH-II ATP KDP KNL	109.21
66	PE Wind Power EVAC ATP KDP and KNL Dist	27.41
67	PE HNPCL Power evacu and TR Scheme	3.80
68	AUG of PTR - TOO.MS.No.1292, dt.15.11.19	34.08
69	400 KV Aug Sch-VIII (3rd 500 MVA at Maradam	5.94
70	AUG of PTRS at 10 nos. SSs, mS.no.747	0.46
71	AUG of 4th 500 MVA PTR at 400 KV Manubolu	0.85
72	8 Nos. Aug PTRs -3 Zones- TOO 600, 31.10.17	1.03
73	Aug of PTR at 8 Nos. EHT SSs, MS.No.684	0.46
74	Aug PTRs at 6 SSs at KDP Zone-WB TOO 364	9.60
75	Aug of PTR Capacity at EHT SS, MS.No.369	13.16
76	Aug of PTR at VJW, VSP, KDP zone MS.No.311	0.25
77	1 no. 500 MVA T/F at Kalpaka 400 KV	5.16
78	Aug of PTR at VJWD & VSP Zones MS.No.219	0.83
79	Renovation & Modernisation Scheme	14.14
80	Schemes under Normal Plan	158.57
81	Schemes under Bank Funding	52.27
83	Schemes under DC / Bulk Loads Works (Lift Irrigation)	5.32
84	Schemes under DC / Bulk Loads Works (Construction)	23.54
85	Schemes under PFC Funding	91.65
86	Schemes under GOVT. Funding	15.73
TOTAL		1077.89

5.17 ACHIEVEMENTS IN 2021-22 -FINANCIAL APTRANSCO

Sl.No.	Particulars	Amount (Rs. In Crores)
1	132/33KV GIS SS at Mogalrajpuram	16.41
2	132 & 33KV features at 220/11KV SS Ramavaram	
3	Augmentation of PTR, CE (LIS) TOO MS No.222	
4	132/33KV SS at Rapur, Nellore Dist.	
5	Erection of 220KV & 132KV SS under VCIC	134.67
6	400KV SS at Rachagunneri & other EHT SS	
7	Wind Power evacuation Phase -II (Ananthapur, kadapa and	
8	125 MVAR bus reactors at Chittoor, Sattenapalli	345.27
9	RNV & UG protection system CE Trans. MS No.298	
10	Augmentation of PTRs at 6Nos SS at Kadapa Zone-WB TOO 360	
11	Augmentation of PTRs at 7Nos SS at VJA Zone-WB TOO 361	
12	Augmentation of PTR capacity at EHT SS , MS No. 360	
13	132/33KV SS at Satellite city Kadapa	
14	Erection of 132/33KV SS T. Sundupalli	
15	132/33KV at East Gangavaram, Prakasam Dist.	
16	132/33KV SS at Chinnarykatla, Prakasam Dist.	
17	132/33KV SS at Penumur, Chittoor Dist.	
18	132/33KV SS at Kadivedu, Nellore Dist.	
19	PE wind power evacuation at Anantapur,Kadapa and Kurnool Dist	
20	220/132/33KV SS at Tiruvuru in Krishna Dist.	
21	Erection of 125MVAR 400KV Bus Reactors	
22	132KV DC XLPE UG CBL 220KV-132KV Ongole	
23	132/33KV SS Ananthasagaram in Nellore Dist.	
24	220/132KV SS Dharmavaram in Ananthapuram Dist.	
25	400/220KV SS at Podili in Prakasam Dist.	
26	RMI works FY 2019-20 CE Trans.MS No.1273	
27	Erection of 400KV GIS at Thallayapalem	34.54
28	960MW Hydro Power Project at Polavaram	
29	Reliable Communication and Data Acquisition	
30	Augmentation of PTR CE(LIS) TOO MS No.222	
31	132 & 33KV Features at 220/11KV SS Ramavaram	20.96
32	132/33KV GIS SS at Moghalrajpuram	
33	Ext. of 132KV Sup-CMD 6MVA-RTSS Raydurg	296.28
34	Ext.of EHT Sup-8MVA - RTSS Tanuku	
35	Ext. of Supply HNSS PH-II PNGR BC, ATP BL	
36	HNSS PH-II Madakasira BC ATPDist. BL	
37	Installation of Metering Equipment- RTSS Feeders	
38	Diversion of EHT OH Lines from CRDA area	
39	Erection of 132KV SS Galiveedu in Kadap Dist.	
40	Erection of 132KV SS at Narasapuram in Krishna Dist.	
41	400KV Garividi SS Vijayanagaram Dist.	
42	220/132KV SS Nuziveedu, Krishna Dist.	
43	132/33KV Pedavaltair SS (Pass) Vizag Dist.	
44	33KV Bay at 220KV SS Markapur for HPCL	
45	Ultra Mega Solar park 1000MW- Mylavaram	
46	600MW Solar ParkPh-lat Chendrasekharapuram	
47	R/O COND WIT AL59ZEBRA-132KV GWK-SLM-GWK	
48	Civil Works for APSECM Office in VS,VJA	
49	Vijayawada Power Transmission Scheme	
1	Schemes under normal plan	296.28
2	Schemes PSDF funding	5.38
3	Schemes under REC funding	345.27
4	Schemes under DC/ Bulk loads works (Lift Irrigation)	20.96
5	Schemes under DC/ Bulk loads works (Construction)	34.54
6	Schemes under PFC funding	16.41
7	Schemes under Govt. funding	134.67
	Total	853.51

6. A.P.GENCO GENERATION

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

6.1 PATTERN OF INSTALLED CAPACITY IN ANDHRA PRADESH (2014-15 TO 2021-22)										
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	2849.50	5479.48	1750.85	15876.426
	%	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	2706.39	5589.71	2330.55	17578.41
	%	10.23	28.50	0.03	0.20	0.59	15.40	31.80	13.26	100.00
2018-19	MW	1797.600	5010.000	405.426	34.290	102.598	2105.250	6618.872	2403.160	18477.196
	%	9.73	27.11	2.19	0.19	0.56	11.39	35.82	13.01	100.00
2019-20	MW	1797.600	5010.000	405.426	34.290	102.598	2625.240	7125.162	2529.810	19630.126
	%	9.16	25.52	2.07	0.17	0.52	13.37	36.30	12.89	100.00
2020-21	MW	1797.600	4850.000	405.426	0.000	28.700	1538.140	7133.460	1980.630	17733.956
	%	10.14	27.35	2.29	0.00	0.16	8.67	40.22	11.17	100.00
2021-22	MW	1773.600	4850.000	405.426	0.000	30.650	2178.320	7376.960	1980.510	18595.466
	%	9.54	26.08	2.18	0.00	0.16	11.71	39.67	10.65	100.00

* Installed capacity figures for the FY 2016-17 to 2020-21 are reconciled.

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

(contd.,)

6.1 PATTERN OF POWER GENERATION IN ANDHRA PRADESH (2014-15 TO 2021-22)
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	6.58	30.37	8.55	100.00
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
2019-20	MU	3529.60	22469.98	980.63	6613.47	5244.10	4676.80	14698.30	4709.81	62922.69
	%	5.61	35.71	1.56	10.51	8.33	7.43	23.36	7.49	100.00
2020-21	MU	3821.86	16430.37	1226.14	6491.84	6975.64	3084.94	12483.03	12556.37	63070.19
	%	6.06	26.05	1.94	10.29	11.06	4.89	19.79	19.91	100.00
2021-22	MU	3698.07	22009.99	952.59	7083.82	7656.88	1070.26	12201.761	14299.24	68972.63
	%	5.36	31.91	1.38	10.27	11.10	1.55	17.69	20.73	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	Mini power	Solar		others
									Bagasse	Bio-Mass	Projects	plants			
1990-91	2461.21	1612.50	-	66.00	762.00	-	-	-	-	-	-	-		-	4901.71
1991-92	2462.21	1612.50	-	100.00	807.00	-	-	-	-	-	-	-		-	4981.71
1992-93	2524.21	1612.50	-	100.00	852.00	-	-	-	-	-	-	-		-	5088.71
1993-94	2605.21	2032.50	-	100.00	897.00	-	-	-	-	-	-	-		-	5634.71
1994-95	2665.21	2452.50	2.00	100.00	897.00	-	-	2.93	-	-	-	-		-	6119.64
1995-96	2666.21	2452.50	2.00	100.00	897.00	-	3.75	41.85	-	-	-	-		-	6163.31
1996-97	2666.21	2702.50	2.00	212.00	897.00	232.70	3.75	51.24	-	1.50	-	-		-	6768.90
1997-98	2666.21	2952.50	2.00	272.00	885.00	423.90	15.75	52.74	-	1.50	-	-		-	7271.60
1998-99	2666.21	2952.50	2.00	272.00	885.00	423.90	27.25	58.74	9.00	1.50	1.00	-		41.00	7340.10
1999-2K	2681.21	2952.50	2.00	272.00	942.50	423.90	43.45	84.99	14.00	1.50	1.00	40.31		43.70	7503.06
2000-01	2682.21	2952.50	2.00	272.00	1000.00	778.90	62.35	88.74	15.50	6.70	29.00	40.31		43.70	7973.91
2001-02	2982.21	2952.50	2.00	272.00	1500.00	918.90	76.95	90.43	37.50	9.70	73.50	78.11		62.10	9055.90
2002-03	3432.21	2962.50	2.00	272.00	2106.25	998.88	80.26	90.43	89.50	16.70	119.50	93.5		65.10	10328.83
2003-04	3586.36	2972.50	2.00	272.00	2212.50	998.88	84.26	90.43	114.50	20.43	165.50	93.5		82.70	10695.56
2004-05	3586.36	2992.50	2.00	272.00	2571.00	998.88	91.40	95.49	114.50	20.43	178.50	93.51		89.14	11105.71
2005-06	3586.36	2962.50	2.00	272.00	2616.94	996.62	101.41	99.49	151.50	20.43	178.50	74.31		89.13	11151.19
2006-07	3586.36	3172.50	2.00	272.00	2854.69	1366.62	101.40	101.34	158.20	29.25	182.50	74.31		95.14	11996.31
2007-08	3625.36	3382.50	2.00	272.00	2963.22	1366.62	101.40	101.34	174.45	29.25	190.50	74.31		98.64	12381.59
2008-09	3664.36	3382.50	2.00	272.00	2963.22	1366.62	104.40	101.34	174.45	29.25	190.50	74.31		102.30	12427.25
2009-10	3703.36	4382.5	2.00	272.00	3048.54	2330.62	104.4	114.94	270.8	29.25	190.5	74.31		102.3	14625.52
2010-11	3790.36	4592.5	2.00	272.00	2882.68	2494.7	104.4	187.74	270.8	29.25	190.5	74.31	2	109.8	15003.04
2011-12	3829.36	5092.50	3.00	272.00	3116.54	2494.70	105.64	237.39	274.00	29.25	205.25	74.31	20.75	121.80	15876.49
2012-13	3829.36	5092.50	3.00	272.00	3428.97	2494.70	105.64	431.29	274.00	29.25	205.25	78.79	22.75	121.80	16389.30
2013-14	3829.36	5092.50	3.00	272.00	3501.40	2494.70	105.64	663.89	274.00	29.25	205.25	78.79	45.75	121.80	16717.33

6.2 A.P - PROGRESS IN INSTALLED CAPACITY															
															(MW)
Year	State Sector			Joint Sector Gas	Share from Central Sector	Private Sector								Total	
	Hydel	Thermal	Wind & Solar			Gas	Mini Hydel	Wind	Co-Generation		Bio-Mass	Mini power	Solar		others
									Bagasse	Bio-Mass	Projects	plants			
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	62.70	9529.00
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	817.74	12443.550
2016-17	1721.29	3948.15	5.426	34.29	1750.85	1578.95	87.44	3059.75	203.95	55.14	171.25	82.00	1840.2	1337.74	15876.42
2017-18	1797.60	5010.00	5.426	34.29	2330.55	1474.70	104.44	3771.95	203.95	64.14	171.25	17.20	1922.20	670.71	17578.41
2018-19	1797.600	5010.000	405.426	34.290	2403.160	1474.69	102.598	3771.95	203.950	64.150	171.250	17.200	2350.20	670.73	18477.196
2019-20	1797.600	5010.000	405.426	34.290	2529.810	1474.690	102.598	3767.950	206.950	65.450	171.250	17.200	2850.200	1196.712	19630.126
2020-21	1797.600	4850.000	405.426	0.000	1980.630	907.590	28.700	3767.950	105.000	0.000	132.500	0.000	3100.200	658.360	17733.956
2021-22	1773.600	4850.000	405.426	0.000	1980.510	906.770	30.650	3767.950	94.000	0.000	108.000	0.000	3350.200	1328.360	18595.466

6.3 INSTALLED CAPACITY AND NET GENERATION IN 2021-22

Sl.No	Name of the Power House	No.of Units x Capacity MW	Installed Capacity MW	Installed Capacity MW Share	Generation (ex-bus) during 2021-22 in MU (*)	Auxiliary Consu- mption MU	Plant Load Factor %	Availa- bility Factor %
I	THERMAL							
1	Vijayawada - I Unit 1	1 x 210	210.00	210.00	2368.09	135.57	71.55	91.36
	Vijayawada - I Unit 2	1 x 210	210.00	210.00		134.01	73.24	89.86
	Vijayawada - II Unit 3	1 x 210	210.00	210.00	2534.29	144.47	78.39	93.66
	Vijayawada - II Unit 4	1 x 210	210.00	210.00		138.16	74.95	90.28
	Vijayawada - III Unit 5	1 x 210	210.00	210.00	2646.56	140.15	79.82	92.74
	Vijayawada - III Unit 6	1 x 210	210.00	210.00		145.91	80.44	93.99
	Vijayawada-IV	1x500	500.00	500.00	2991.36	171.64	72.13	87.54
2	R.T.P.P -I Unit 1	1 x 210	210.00	210.00	1274.63	124.69	62.90	73.16
	R.T.P.P -I Unit 2	1 x 210	210.00	210.00		52.80	17.25	21.71
	R.T.P.P -II Unit 3	1 x 210	210.00	210.00	1612.10	68.54	40.50	47.04
	R.T.P.P -II Unit 4	1 x 210	210.00	210.00		100.45	57.71	66.84
	R.T.P.P.Stg-3 Unit-5	1 x 210	210.00	210.00	893.79	108.56	54.54	66.83
	R.T.P.P.Stg-4 Unit-1	1 x 600	610.00	600.00	2411.93	165.60	48.14	71.74
3	SDS Thermal Power Project I & II, Krishnapatnam	1x800 1x800	1600.00	1440.00	5277.24	386.43	40.47	66.88
	TOTAL			4850.000	22009.99	2016.97	41.00	81.33
II	GGPP (Jegurupadu (GVK))			216.000				
III.	HYDEL :							
			✦					
	1. Machkund	3 x 17 3 x 23	✦ 84.00	60.00	378.91	0.02		
	2. T.B.H.E.S (T.B. Dam & Hampi)	4 x 9 4 x 9	✦ 57.60	57.60	178.61	0.56		
	3. Upper Sileru	4 x 60	240.00	240.00	321.10	10.38		
	4. Donkarayi	1 x 25	25.00	25.00	64.74	0.24		
	5. Lower Sileru	4 x 115	460.00	460.00	908.15	17.22		
	6. Srisaillam RBHS	7 x 110	770.00	770.00	1396.69	32.12		
	7.Nagarjunasagar RC PH	3 x 30	90.00	90.00	276.96	2.52		
	8.Penna Ahobilam	2 x 10	20.00	20.00	5.16	0.68		
	9.Mini Hydro/33&11kv plants		1.00	1.00	34.01	0.03		
	10.Nagarjuna sagar Tail pond	2 x 25	50.00	50.00	133.74	3.49		
	TOTAL			1773.600	3698.07	67.25		
	11.Solar APGENCO			405.426	4.39			
IV	GAS (Joint Sector)							
	VGTS - I & II (Gov Share 58.8 * 58.32 %)	(2 x 33) +1x34	58.80	0.00				134.69
		(1x112) +1x60						817.90
	Total Gas							952.59
V	Utilisation from Central Projects :			1980.510	12201.76			
VI	Private Sector Generation							
	1.IPPs			1961.320	1070.26			
	2.Wind			3767.950	7083.82			
	3.Solar			3350.200	7656.88			
VII	Others			290.460	14299.24			
	GRAND TOTAL (I TO VI)			18595.466	68972.63	2084.22		

(*) Data collected from EBC

✦ A.P.Share

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

Sl.No.	Station	Details of Unit	Capacity in MW	AP Share	Date of Commissioning
I.	APGENCO-THERMAL				
1	Dr NTTPS ,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	720	02.5.2015
6	SDS Thermal power project, Krishnapatnam	Unit-II	800	720	24.08.2015
Total Thermal			5010.00	4850.00	
7	GGPP (Jegurupadu (GVK))		216.00	216.00	22.04.2016
II	APGENCO-HYDEL				
1	Machkund	Unit-I	17	60	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		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	Srisaillam 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 Ahobilam	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
			1797.60	1773.60	
IV.	SOLAR				
1	Polavaram Right Canal (W.G)		5.426	5.426	19.11.2016
	Talaricheruvu (V), Tadipatri (M), Ananthapur Dist		400.000	400.000	14.03.2019
	Total APGENCO			7245.026	

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

Sl.No.	Station	Details of Unit	Capacity in MW	Date of Commissioning
6.4(B) -1 COMMISSIONING DATES OF GENERATING UNITS IN JOINT SECTOR				
II.	GAS - Joint Sector			
1	Vijjieswaram- Stage-I(West Godavari)	Unit-I	9.33	02.12.1990
		Unit-II		12.03.1991
		Unit-III		17.03.1992
2.	Vijjieswaram- Stage-II(West Godavari)	Unit-I	24.96	31.03.1997
		Unit-II		23.12.1997
Total Gas			0	Exp.31.12.2020
6.4(B) -2 SHARE FROM GENERATING UNITS IN CENTRAL SECTOR				
I	Thermal(Central Units with Capacity (MW))		share as on 31/03/2021	Date of Commissioning
1	RSTPS - Unit I - 200 MW		360.09	Oct, 1983
	Unit II - 200 MW			May, 1984
	Unit III - 200 MW			Dec, 1984
	Unit IV - 500 MW			Jun, 1988
	Unit V - 500 MW			Mar, 1989
	Unit VI - 500 MW			Oct, 1989
	RSTPS STAGE -III Unit VI I- 500 MW			April'2005
2	MAPP Unit I - 220 MW		18.13	
	Unit II - 220 MW			
3	NLC Unit I - 210 MW		132.31	17.01.1988
	Unit II - 210 MW			06.02.1987
	Unit III - 210 MW			29.03.1986
	Unit IV - 210 MW			30.03.1991
	Unit V - 210 MW			30.12.1991
	Unit VI - 210 MW			30.10.1992
	Unit VII - 210 MW			19.06.1993
4	KAIGA Unit I - 220 MW		114.11	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		461.10	24.08.2002
	Unit II - 500 MW			
6	Simhadri Stage II Unit I - 500 MW		209.80	30.09.2012
7	Talcher Stage II Unit 3- 500 MW		180.23	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)		86.15	26.02.2015
9	Tuticorin,Tamilnadu 1x500 MW		121.33	29.08.2015
10	Kudankulam Unit1 1x1000		0.00	
11	NTPC (Kudgi) 1x800		244.56	15.09.2018
12	Westren region bundled power		0.00	
13	New Neyveli Thermal power station (NNTPS)		52.70	
Total Share from Central Sector			1980.51	
6.4 (C) COMMISSIONING DATES OF GENERATING UNITS IN PRIVATE SECTOR (IPPs)				
S.No.	Station	Details of Unit	share as on 31/03/2022	Date of Commissioning
I.	GAS			
1.	Jegurupadu GVK CCGBTPS (East Godavari Dist.)	Unit-I	0.000	04.07.1996
		Unit-II		26.10.1996
		Unit-III		11.12.1996
		Unit-IV		20.06.1997
2	Jegurupadu GVK -Extn		101.440	14.04.2009
3	Godavari CCGBTPS (Spectrum-Kakinada - East Godavari Dist.)	Unit-I	0.000	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	0.000	22.06.2000
		Unit-II		19.09.2000
		Unit-III		18.10.2000
5	Vemagiri (East Godavari Dist)		170.610	16.09.2006
6	Konaseema Gas Power Ltd(East Godvari Dist)		204.770	17-06-2009
7	Gautami (East Godavari Dist)		213.950	05-06-2009
II	THERMAL			
8	M/s Thermal Power tech		230.550	15-09-2015
9	M/S Hinduja I & II 2 x 520 MW)		1040.000	03.02.2022
10	M/s KSK Mahanadi Power Company Ltd		0.000	EXP 01.04.2021
TOTAL MW			1961.320	

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	M/s Bhavani Hydro Power Projects Pvt. Ltd.	Guntur Branch Canal	Guntur	550	550	17-11-2004
2	M/s.KM Power Pvt. Ltd Velapanur	Nippulavagu Canal, Velapanoor	Kurnool	3300	3300	07-11-2002
3	M/s.KM Power Pvt. Ltd Madhavaram	Nippulavagu Canal, Madhavaram	Kurnool	4000	4000	21-11-2003
4	M/s Balaji Energy Ltd.	Somasila Reservoir	Nellore	12000	12000	31-12-2005
5	M/s.Sardar Power Ltd	Nagavali river at Nagur, Gurugubilli	Vizianagaram	3000	2x1500	17-7-2008
6	APTRIPCO	Vetamamidi (V) Addathigala (M)	East Godavari	1200	1200	15.4.2011
7	M/s.NCL Energy Ltd.	T.B.Dam	Bellary Dt, Karnataka.	6600	6600	27.09.2004
Total Mini Hydel in MW				30.650		

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 Weizmann Ltd.	Ramagiri, Ananthapur, APSPDCL	Ananthapur	7.5	26.09.1998
2	NEDCAP	Kondamedapalli	Kurnool	2.75	31.03.2001
3	NEDCAP	Narsimhakonda	Nellore	2.5	07.05.2004
4	NILE Limited	Ramagiri	Ananthapur	2	30.08.1995
5	M/s Maxivision Laser Centre Pvt. Ltd.	Kadavakallu	Ananthapur	0.45	07.02.2006
6	Dr.Kasu Prasad Reddy.	Kadavakallu	Ananthapur	0.45	07.02.2006
7	M/s Vimal Roller Flour Mills	Kadavakallu	Ananthapur	0.225	07.02.2006
8	M/s V.V.Agro Foods	Kadavakallu	Ananthapur	0.225	07.02.2006
9	M/s Shilpa Medicare Ltd.	Kondameedipalli	Kurnool	1.6	18.06.2010
10	M/s Vikram Traders	Kondameedipalli	Kurnool	0.8	18.06.2010
11	M/s Orange Sorting Machines(India) Pvt. Ltd	Kondameedipalli	Kurnool	0.8	06.04.2010
12	M/s Canara Cements Pipes	Kondameedipalli	Kurnool	0.8	20.04.2010
13	M/s Nandi Roller Flour Mills(P) Ltd	Kondameedipalli	Kurnool	0.8	15.04.2010
14	M/s Texmo Industries	Kondameedipalli	Kurnool	2.4	15.04.2010
15	M/s Prakash Beedies Pvt. Ltd	Kondameedipalli	Kurnool	0.8	08.04.2010
16	M/s Arts and Crafts Exports	Kondameedipalli	Kurnool	0.8	22.04.2010
17	M/s G. shoe Export	Kondameedipalli	Kurnool	0.8	22.04.2010
18	M/s Chandulal Surajmal	Kondameedipalli	Kurnool	0.8	22.04.2010
19	M/s Compucom Software Ltd.	Kondameedipalli	Kurnool	0.8	22.04.2010
20	M/s Mayura Steels Pvt. Ltd	Kondameedipalli	Kurnool	0.8	23.04.2010
21	M/s Siddaganga Oil Extractions Pvt. Ltd.	Kondameedipalli	Kurnool	1.6	24.04.2010
22	M/s Protectron Electromech Pvt. Ltd	Kondameedipalli	Kurnool	0.8	28.07.2012
23	M/s S.Kumar	Kondameedipalli	Kurnool	0.8	24.04.2010
24	M/s Meghana Associates	Kondameedipalli	Kurnool	0.8	22.04.2010
25	M/s Vaayu(India) Power Corporation Ltd(Phase-I)	Kondameedipalli	Kurnool	4.8	02.08.2010
26	M/s Vaayu(India) Power Corporation Ltd(Phase-2)	Kondameedipalli	Kurnool	4.8	25.09.2010
27	M/s Vaayu(India) Power Corporation Ltd(Phase-3)	Kondameedipalli	Kurnool	4.8	30.03.2011
28	M/s Vaayu(India) Power Corporation Ltd(Phase-4)	Kondameedipalli	Kurnool	11.2	28.09.2010
29	M/s Vaayu(India) Power Corporation Ltd(Phase-5)	Kondameedipalli	Kurnool	4.8	30.09.2010
30	M/s Vaayu(India) Power Corporation Ltd(Phase-6)	Kondameedipalli	Kurnool	9.6	02.12.2010
31	M/s Vaayu(India) Power Corporation Ltd(Phase- 7)	Kondameedipalli	Kurnool	10.4	20.09.2010
32	M/s Texmo Precision Castings Ltd.	Kondameedipalli	Kurnool	1.6	03.08.2010
33	M/s Vish Wind Infrastructure LLP (Phase-I)	Kondameedipalli	Kurnool	0.8	14.10.2010
34	M/s Vish Wind Infrastructure LLP (Phase-III)	Kondameedipalli	Kurnool	1.6	31.03.2011
35	M/s Vish Wind Infrastructure LLP (Phase-II)	Kondameedipalli	Kurnool	4	14.10.2010
36	M/s. Texonic Instruments.	Kondameedipalli	Kurnool	0.8	30.03.2011
37	M/s. Shreem Electric Limited	Kondameedipalli	Kurnool	1.6	31.03.2011
38	M/s Happy Valley Developers	Kondameedipalli	Kurnool	0.8	31.03.2011
39	M/s.Sai Silks (Kalamandir)	Kondameedipalli	Kurnool	2	31.03.2011
40	M/s. Hyderabad Chemicals limited (Vibrant Greentech)	Kondameedipalli	Kurnool	5.1	30.06.2011
41	M/s. International – Conveyors (Phase-I)	Kondameedipalli	Kurnool	0.8	22.09.2011
42	M/s. International Conveyors (Phase-II)	Kondameedipalli	Kurnool	0.8	22.09.2011
43	Triveni Enterprises	Kondameedipalli	Kurnool	0.8	30.09.2011
44	M/s Vish Wind Infrastructure LLP (Phase-IV)	Kondameedipalli	Kurnool	1.6	30.09.2011
45	M/s Ramansons Asbestos cement products	Kondameedipalli	Kurnool	0.8	31.01.2012
46	M/s NREDCAP	Rekulakunta	Ananthapur	5.95	31.01.2012

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:					
47	M/s NREDCAP	Kondameedipalli	Kurnool	1.6	31.03.2012
48	M/s IOCL	Vajrakarur	Ananthapur	16.8	31.03.2012
49	M/s Mytrah Vayu (Pennar) Pvt Ltd. (Phase-I)	Vajrakarur	Ananthapur	16.8	27.04.2012
50	M/s.IOCL	Vajrakarur	Ananthapur	10.5	18.05.2012
51	M/s.MGM Springs private Limited	Nallakonda site	Ananthapur	0.8	19.07.2012
52	Taddas Wind Energy Limited (Phase-I)	Nallakonda site	Ananthapur	12.8	27.07.2012
53	Taddas Wind Energy Limited (Phase-II)	Nallakonda site	Ananthapur	3.2	19.07.2012
54	Taddas Wind Energy Limited (Phase-III)	Nallakonda site	Ananthapur	6.4	27.07.2012
55	Taddas Wind Energy Limited (Phase-IV)	Nallakonda site	Ananthapur	9.6	25.07.2012
56	Taddas Wind Energy Limited (Phase-V)	Nallakonda site	Ananthapur	8	17.07.2012
57	Taddas Wind Energy Limited (Phase-VI)	Nallakonda site	Ananthapur	8	17.07.2012
58	Taddas Wind Energy Limited (Phase-VII)	Nallakonda site	Ananthapur	2.4	17.07.2012
59	Vish Wind Infrastructure LLP (Phase-I)	Nallakonda site	Ananthapur	12.8	25.07.2012
60	Vish Wind Infrastructure LLP (Phase-II)	Nallakonda site	Ananthapur	6.4	19.07.2012
61	Vish Wind Infrastructure LLP (Phase-III)	Nallakonda site	Ananthapur	1.6	19.07.2012
62	M/s.Sri KPR Infra & Projects Ltd	Gandikota	YSR Kadapa	2.1	17.07.2013
63	M/s.NALCO(National Alumimium Company Limited)	Gandikota	YSR Kadapa	50.4	30.12.2012
64	Protectron Electromech Private Limited	Nallakonda site	Ananthapur	0.8	28.07.2012
65	R3K Power LLP (Formerly M/s.Sukaso Ceracolors Private Limited)	Nallakonda site	Ananthapur	1.6	09.10.2012
66	M/s.Mytrah Vayu (Pennar) Pvt Ltd (Ph-II)	Vajrakarur	Ananthapur	16.8	11.01.2013
67	M/s.Mytrah Vayu (Pennar) Pvt Ltd (Ph-III)	Vajrakarur	Ananthapur	6.3	11.01.2013
68	M/s.Mytrah Vayu (Pennar) Pvt Ltd (Ph-IV)	Vajrakarur	Ananthapur	6.3	11.01.2013
69	M/s.Mytrah Vayu (Pennar) Pvt Ltd (Ph-V)	Vajrakarur	Ananthapur	4.2	11.01.2013
70	M/s.Mytrah Vayu (Pennar) Pvt Ltd (Ph-VI)	Vajrakarur	Ananthapur	4.2	11.01.2013
71	M/s.Mytrah Vayu (Pennar) Pvt Ltd (Ph-VII)	Vajrakarur	Ananthapur	6.3	11.01.2013
72	M/s.Mytrah Vayu (Pennar) Pvt Ltd (Ph-VIII)	Vajrakarur	Ananthapur	2.1	11.01.2013
73	M/s.Oil country tublar ltd	Nallakonda site	Ananthapur	0.8	09.10.2012
74	M/s,Khandke Wind Energy Private Ltd phase-I	Nallakonda site	Ananthapur	2.4	10.04.2013
75	M/s,Khandke Wind Energy Private Ltd phase-II	Nallakonda site	Ananthapur	6.4	04.05.2013
76	M/s,Khandke Wind Energy Private Ltd phase-III	Nallakonda site	Ananthapur	4	11.07.2013
77	M/s,Khandke Wind Energy Private Ltd phase-IV	Nallakonda site	Ananthapur	2.4	04.08.2013
78	M/s. Khandke Wind Energy Pvt Ltd Phase -V	Nallakonda site	Ananthapur	16	06.09.2013
79	M/s.IOCL	Gandikota	YSR Kadapa	14.7	03.04.2013
80	M/s Neminath Trading Company (M/s.RV Consulting services Private Ltd)	Nallakonda site	Ananthapur	0.8	10.04.2013
81	M/s.Beta Wind Farms private Limited	Kadavakallu	Ananthapur	50.4	27.07.2013
82	M/s.Weld Fuse Pvt Ltd	Gandikota Jammalamadugu	YSR Kadapa	2.1	17.07.2013
83	M/s.KRBL Ltd	Gandikota Jammalamadugu	YSR Kadapa	2.1	17.07.2013
84	M/s.Saptagir Camphor limited	Nallakonda site	Ananthapur	0.8	05.08.2013
85	M/s Hitech Systems & services Ltd	P.C.Pyapalli	Ananthapur	4.2	28.03.2014
86	M/s Woodside Fashions Ltd	Chabala(V)	Ananthapur	2.1	28.03.2014
87	M/s.Mytrah Vayu (krishna) Pvt Ltd	Burugula site	Kurnool	37.4	21-02-2014
88	M/s Energon Power Resource Pvt Ltd	Tagguparthi	Ananthapur	48	08.07.2014
89	M/s.Indian Oil Corporation Limited (Suzlon)	Gandikota Jammalamadugu	YSR Kadapa	4.2	31.03.2014
90	M/s .Rayala wind Power Company Private Limited	Balavenkatapuram	Ananthapur	101.2	29.11.2013
91	M/s Rayala wind power projects Ltd	Balavenkatapuram	Ananthapur	50	26.07.2014

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:					
92	M/s En En Electrical Engineers Pvt Limited	Vajrarakur(M)	Ananthapur	2.1	14.11.2014
93	M/s Santhiram Wind power Pvt Limited	Chabala(V)	Ananthapur	2.1	12.06.2014
94	M/s.Sri Venkateswara Pipes Limited (KPR Industries)	Gandikota, Jammalamadugu	YSR Kadapa	2.1	17.07.2013
95	M/s.Hetro Wind power project Limited	220/132 KV Kondapuram SS	YSR Kadapa	13.5	03.07.2013
96	M/s KRBL	Ganthimarri	Ananthapur	8.4	21.11.2014
97	M/s Rajasthan Gum Pvt Limited	Muthuvakuntala	Ananthapur	2.1	31.12.2014
98	M/s sterling Agro Industries Ltd	Tallimadugula	Ananthapur	4.2	29.01.2015
99	M/s BNR constructions	Kondamedapalli	Kurnool	1	19.12.2014
100	M/s Hitech Systems & services Ltd	Anantapur	Ananthapur	2.1	02.06.2015
101	Anantapura Wind Energies Pvt Limited (Rayala group)	Anantapur	Ananthapur	10	19.05.2015
102	Rayalaseema Wind Energies Pvt Limited (Rayala group)	Anantapur	Ananthapur	10	19.05.2015
103	Rayala wind power company limited	Balavenkatapuram	Ananthapur	8	15.09.2015
104	Sri Vijayeebhava Enterprises private Limited	Muthuvakuntala	Ananthapur	2.1	01.08.2015
105	Energon Ph-II(Vena Energies Power)	Tagguparthi	Ananthapur	100	11.03.2015
106	Jindal Aluminium Limited	Vajrarakur, Uravakonda.	Ananthapur	25.2	28.05.2015
107	KCT Renewable Energy Pvt Ltd(KARAMCHAND THAPAR&BROS (COAL SALES)LTD)	Borampalli	Ananthapur	24	10.08.2015
108	Sunwin power tech India LLP	Signamala	Ananthapur	4	28.11.2015
109	Vibrant green tech India (P) Ltd	Signamala	Ananthapur	0.8	28.11.2015
110	Vibrant green tech India (P) Ltd	Signamala	Ananthapur	8	15.12.2015
111	JED Solar Parks Pvt Ltd	Yatakal	Ananthapur	24	23.07.2016
112	Poly Solar Parks Pvt Ltd	Ellutla	Ananthapur	24	23.07.2016
113	Mythrah Vaayu (Indiravathi) Pvt Ltd	Pottipadu, Vajrarakur	Ananthapur	65.1	06.03.2016
114	ReNew Wind Energy (Shivapur)Pvt Ltd	Ellutla	Ananthapur	44.1	24.08.2016
115	Mythrah Vaayu (Indiravathi) Pvt Ltd	Pottipadu, Vajrarakur	Ananthapur	39.9	31.12.2015
116	KCT Renewable Energy Pvt Ltd(Renew Vayu Urja)	Molagavalli (V)	Kurnool	20.4	14.07.2016
117	KCT Renewable Energy Pvt Ltd(Renew Vayu Urja)	Nallakonda	Ananthapur	18.7	14.07.2016
118	Mytrah Vayu (Thungabadra) Pvt Ltd	Aspari (V&M)	Kurnool	98.3	15.10.2016
119	Sterling Agro Industries Ltd	Nallakonda	Ananthapur	1.6	17.08.2016
120	TSSS Infotech and Infra Ltd	Nallakonda	Ananthapur	2.4	9.3.2017
121	Animala Wind Power Pvt Ltd	Anemela (V)	YSR Kadapa	54	30.03.2017
122	Saptagir Camphor Ltd	Nallakonda	Ananthapur	0.8	05.08.2013
123	Amrit Bottlers Pvt Ltd	Nallakonda	Ananthapur	0.8	28.03.2017
124	M/s Sandla Wind Power Project Limited	Vidapanakallu	Ananthapur	50.4	31.03.2016
125	Hetero Wind Power (Pennar)Pvt Ltd	Tirumalayapalli	YSR Kadapa	10.5	19.06.2016
126	Hetero Wind Power (Pennar)Pvt Ltd	Tirumalayapalli	YSR Kadapa	6	13.07.2016
127	Hetero Wind Power (Pennar) Pvt Ltd	Tirumalayapalli	YSR Kadapa	24	21.08.2016
128	Levelstate Systems Pvt Ltd	Belguppa	Ananthapur	2.1	24.03.2016
129	Rajasthan Gumn Private Limited	Belguppa	Ananthapur	8.4	30.03.2016
130	Jai Bharath Gum & Chemicals Ltd	Belguppa	Ananthapur	2.1	20.09.2016
131	Hi-Tech Systems and Services Ltd	Belguppa	Ananthapur	2.1	27.03.2016
132	Mangalam Fashions Ltd	Belguppa	Ananthapur	2.1	30.03.2017
133	Woodside Fashions Ltd	Belguppa	Ananthapur	2.1	24.03.2016
134	Ushodaya Enterprises Pvt Ltd	Belguppa	Ananthapur	4.2	24.03.2016
135	Shrinath Gum & Chemicals	Belguppa	Ananthapur	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
PROJECTS SELLING ENERGY TO APDISCOMs UNDER PPAs:					
136	Shree Ram Industries	Belguppa	Ananthapur	4.2	24.03.2016
137	Om Prakash Soni	Belguppa	Ananthapur	2.1	24.03.2016
138	Sai Pet Preforms	Belguppa	Ananthapur	2.1	24.03.2016
139	Manoj Aggarwalla	Belguppa	Ananthapur	2.1	24.03.2016
140	Imperial Arts	Belguppa	Ananthapur	2.1	27.03.2016
141	Eenadu Television Pvt Ltd	Belguppa	Ananthapur	2.1	27.03.2016
142	Prince Art Exporter	Belguppa	Ananthapur	4.2	27.03.2016
143	Kaushaliya Devi Dhoot	Belguppa	Ananthapur	2.1	29.03.2016
144	Satyanarayana Dhoot	Belguppa	Ananthapur	2.1	29.03.2016
145	Dinesh Enterprises	Belguppa	Ananthapur	2.1	31.03.2016
146	Mytrah Vayu (Krishna) Pvt Ltd	Burugula	Kurnool	8.5	24.03.2017
147	M/s orange Anantapur Wind Power Pvt Limited	Nimbagal(V)	Ananthapur	100	28.03.2016
148	Chimique (INDIA)Pvt Ltd	Pottipadu	Ananthapur	2.1	30.03.2016
149	ZR Renewables Energy Pvt Ltd	Tallaricheruvu	Ananthapur	16	27.08.2016
150	Gutaseema Wind Energy Company Private Limited	Palakonda Hills	Ananthapur	20	22.03.2018
151	Ostro Anantapur Pvt Ltd	Honnura-Palturu	Ananthapur	100	21.07.2016
152	Orange Uravakonda Wind Power Pvt Ltd	Belguppa	Ananthapur	100.8	28.07.2016
153	ReNew Wind Energy (Shivapur)Pvt Ltd	Ellutla	Ananthapur	39.9	29.11.2016
154	Mytrah Vayu (Tungabhadra)Pvt Ltd	Aspari site	Kurnool	50.6	27.03.2017
155	Axis Wind Energy (MPR Dam)	MPR Dam,	Ananthapur	100	30.03.2017
156	Vayuputhra Energy Pvt Ltd	Vajrarakur	Ananthapur	20	22.03.2018
157	ReNew Wind Energy (Shivapur) Pvt Ltd	Madugupalli	Ananthapur	4.2	13.10.2016
158	Vayu Urja Bharat Pvt Ltd	Guruvepalli	Ananthapur	120	31.03.2017
159	NATCO	Betamcherla	Kurnool	1.6	09.09.2016
160	Danu Wind Parks Pvt Ltd	Betamcherla	Ananthapur	22.4	07.09.2016
161	Ostro Andhra Wind Pvt Ltd	Ramapuram	Ananthapur	98.7	23.03.2017
162	Ostro AP Wind Pvt Ltd	Rallapalli	Ananthapur	98.7	23.03.2017
163	Sterling Agro Industries Ltd	Nallakonda	Ananthapur	7.2	17.08.2016
164	M/s. Fujin Wind Parks Pvt Ltd	Kandimalayapalli	Ananthapur	46	31.03.2017
165	Aeolus Wind Parks Pvt Ltd	Kandimalayapalli	Ananthapur	24	09.08.2017
166	Jaibharat Gum & Chemicals Pvt Ltd	Ragulapadu	Ananthapur	2.1	20.09.2016
167	RBA Properties Pvt Ltd	Pottipadu	Ananthapur	2.1	20.09.2016
168	ReNew Wind Energy (Shivapur)Pvt Ltd	Ellutla	Ananthapur	31.5	13.10.2016
169	M/s. Helios Infratech Pvt Ltd	Badra Puram	Ananthapur	100.8	30.03.2017
170	M/s.Skiron Renewable Energy (Amidyala)Pvt Ltd	Amidyala (V)	Ananthapur	226.8	28.03.2017
171	Saipuram Wind Energies Pvt Ltd	Rudrampalli	Ananthapur	104.5	23.3.2017
172	M/s. Animala Wind Power PVt Ltd	Nandipalli (V)	YSR Kadapa	30	24.08.2017
173	Tata Power Renewable Energy PVt Ltd	Honnura - Palturu	Ananthapur	100	27.12.2016
174	Danu Wind Parks Pvt Ltd	Nelakota	Ananthapur	23	30.06.2017
175	M/s. PTC Energy Ltd (customer of gamesa)	Mulagavali	Kurnool	50	18.3.2017
176	KCT Renewable Eney Ph-1	Mulagavali	Kurnool	20	28.02.2017
177	KCT Renewable Eney Ph-2	Mulagavali	Kurnool	20	28.02.2017
178	PTC Energy Pvt Ltd	Kandimalayapalli	YSR Kadapa	49.3	24.03.2017
179	PTC Energy Pvt Ltd	Payalakuntla	YSR Kadapa	40	30.03.2017
180	KPR Infra & Projects Ltd	Tallimadugula	Ananthapur	2	30.03.2017

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:					
181	Bommidala Enterprises Pvt Ltd	Tallimadugula	Ananthapur	2	30.03.2017
182	Poonawalla Aviation Pvt Ltd	Belguppa	Ananthapur	6.3	18.03.2017
183	Poonwalla Shares & Securities Pvt Ltd	Belguppa	Ananthapur	4.2	18.03.2017
184	Cyzachem Pvt Ltd	Belguppa	Ananthapur	4.2	18.03.2017
185	Villos Greenfield Farms	Belguppa	Ananthapur	6.3	18.03.2017
186	Cyrus Poonawalla Family Trust	Belguppa	Ananthapur	2.1	18.03.2017
187	Poonawalla Estate Stud & A gri Farm Pvt Ltd	Belguppa	Ananthapur	4.2	18.03.2017
188	Chanda Investment & Trading C.Pvt Ltd	Belguppa	Ananthapur	4.2	18.03.2017
189	Adurjee Bros Pvt Ltd	Belguppa	Ananthapur	14.7	18.03.2017
190	Naukhal Investment Pvt Ltd	Belguppa	Ananthapur	4.2	18.03.2017
191	Eenadu Television Pvt Ltd	Vajrakarur	Ananthapur	10.5	18.03.2017
192	Ushodaya Enterprises Pvt Ltd(A Division of Renewable Energy)	Vajrakarur	Ananthapur	2.1	18.03.2017
193	Arkas Energy LLP	Vajrakarur	Ananthapur	2.1	18.03.2017
194	Jai Bharath Gum & Chemicals Ltd	Vajrakarur	Ananthapur	4.2	18.03.2017
195	Rajasthan Gum Pvt Ltd	Vajrakarur	Ananthapur	4.2	18.03.2017
196	Chimique (India) Ltd	Vajrakarur	Ananthapur	2.1	18.03.2017
197	Mayank Green Energy	Belguppa	Ananthapur	2.1	18.03.2017
198	Hi -Tech Systems & Service Ltd -Ph-2	Belguppa	Ananthapur	8.4	18.03.2017
199	Hi -Tech Systems & Service Ltd -Ph-1	Belguppa	Ananthapur	4.2	18.03.2017
200	Eenadu Television Pvt Ltd	Belguppa	Ananthapur	2.1	18.03.2017
201	Ushodaya Enterprises Pvt Ltd(A Division of Renewable Energy)	Belguppa	Ananthapur	6.3	18.03.2017
202	PTC Energy Pvt Ltd	Devankonda	Ananthapur	49.5	30.03.2017
203	Green Infra Wind Solution Ltd	Karadikonda	Ananthapur	49.5	30.03.2017
204	Mangalam Fashions Limited	Tallimadugula	Ananthapur	2	30.03.2017
205	HC commercial LTD	Tallimadugula	Ananthapur	2	30.03.2017
206	Amrit Bottlers Prviate Limited	Tallimadugula	Ananthapur	2	30.03.2017
207	RSM Estates Ltd	Tallimadugula	Ananthapur	2	30.03.2017
208	Daulat Financial Services Private Limited	Tallimadugula	Ananthapur	2	30.03.2017
209	Dindore	Mulagavali	Kurnool	9.2	30.03.2017
210	Axis Wind Energy (Anantapur) PVt Ltd	MPR Dam / Kuderu	Ananthapur	105	23.03.2017
211	Mulagavalli Renewable Energy Pvt Ltd (customer of gamesa)	Mulagavali	Kurnool	46	30.03.2017
212	NREDCAP Ltd (customer of gamesa)	Mulagavali	Kurnool	4	30.03.2017
213	Axis Wind Farm (Rayalaseema)Pvt Ltd	MPR DAM/Kuderi	Ananthapur	105	02.03.2018
214	M/s Zemira Renewable Energy Ltd (formerly Adani Wind Energy (AP) Limited)	Borampalli	Ananthapur	50.4	27.03.2018
215	The KTM Jewellery Pvt Ltd(KKV Agro)	Nallakonda	Ananthapur	1.6	09.03.2017
216	Mytrah Vayu (Krishna) Pvt Ltd	Burugula	Kurnool	2.3	03.03.2018
217	Vibrant green tech India (P) Ltd	komatikuntlakadavakal	Ananthapur	4.5	09.06.2006
218	Vibrant green tech India (P) Ltd	Kadavakallu	Ananthapur	2	03.06.2019
Grand Total				3767.950	

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

Sl. No.	Name of the Plant	Location	District	Connected Capacity (in MW)	Commercial Operation Date
Bio mass Projects (Under Power Purchase Agreement)					
1	M/s Rithwik Energy Systems Ltd.	Srikalahasti Mandal	Chittoor	6	17.09.2022
2	M/S. Om Shakthi Renegies Limited.	Pannuru (V), Vijayapuram (M),	Chittoor	6	23.01.2024
3	M/s Suchand Power Generation Pvt. Ltd.,	Nandyal(M),	Kurnool	6	27.11.2022
4	M/s Greenco Energies Pvt Limited (formerly M/s. Sri Balaji Biomass Power (P) Ltd).	Chennur, Mydukuru, (M),	YSR Kadapa	6	13.04.2024
5	M/s Greenco Energies Pvt Limited (formerly KMS Power Pvt. Ltd.)	Sattenapalli (M),	Guntur	6	21.07.2022
6	M/s Velagapudi Power Generation Pvt. Ltd.,	Doppalapudi (V), Ponnur (M)	Guntur	4	12.12.2026
7	M/s Sathya Maharshi Power Corporation Ltd.,	Penamaluru	Krishna	6	21.07.2024
8	M/s Veeraiah Non-Conventional Power Projects Pvt. Ltd.,	Nellore (V)&(M)	Nellore	4	25.10.2022
9	M/s.Sree Venkata Sree Devi((Bollineni Castings) (B.Seenaiah & Co. (Projects) Ltd)).	Suryapalem (V), Podalakuru (M),	Nellore	6	21.10.2023
10	M/s Perpetual energy Systems Ltd	Appayyapet (V), Seethanagaram(M)	Vizianagaram	6	22.03.2023
11	M/s Agri Gold Projects Ltd.	Dupadu Village, Tripurantakam Mandal, APSPDCL	Prakasham	4	06.07.2023
12	M/s Jyothi Bio Energy Pvt. Ltd.(2nd Project)	Gundlapalli Village, Maddipadu Mandal	Prakasham	6	24.11.2023
13	M/s Clarion Power Corpn. Ltd.,	Tanguturu (V) & (M)	Prakasham	12	20.02.2024
14	M/s Agri Gold Projects Ltd.	Dupadu Village, Tripurantakam Mandal,	Prakasham	2	22.06.2027
15	M/s Singaraya Hills Green Power Ltd	Hasnapur(v) Tripurantakam(M)	Prakasham	8	12.07.2028
16	M/s Sri Kalyani Agro Products & Industries Ltd.	Prathipadu Village, Pentapadu Mandal	West Godavari	4	18.12.2022
17	M/s Shree Papers Ltd., Hyderabad.	Peddapuram(M)	East Godavari	4	09.03.2023

18	M/s Balaji Agro Oils Ltd.	Davuluru (V), Kankipadu (M), APSPDCL	Krishna	4.5	01.06.2023
19	M/s Vishnu Vidyut India Ltd	Narasingabilli, Kasimkota	Vishakaptnam	7.5	25.12.2024
Total				108	

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

Sl. No.	Name of the Plant	Location	District	Connected Capacity (in MW)	Commercial Operation Date
Bagasse Co-generation (Under Power Purchase Agreement)					
1	M/s SNJ Sugars & Allied Products Ltd.	Nilavoy (V) Srirangarajapuram	Chittoor	20	12.01.2023
2	M/s.KCP Sugar & Industries Corporation Ltd.	Vuyyuru (V&M),	Krishna	12	25.12.2025
3	M/s KCP Sugars & Industries Ltd.,	Lakshmipuram (V), Challapalli (M)	Krishna	5	17.01.2026
4	M/s Empee Power Projects Ltd	Nellore	Nellore	20	11.03.2030
5	M/s. The Chodavaram Co-operative Sugars Ltd.,	Nellore Dist, (V), Chodavaram (M)	Visakhapatnam	7	05.04.2023
6	M/s.KBD Sugars (Formerly Shree Vaani Sugars & Industries) Limited	Mudipapanapalli (V) Punganur (M),	Chittoor	6	07.08.2023
7	M/s The Jeypore Sugar Company Ltd.	Chagallu (V)& (M),	West Godavari	17	10.12.2023
8	M/s Nava Bharat Ferro Alloys Ltd. (Deccan Sugars)	Samalkot,	East Godavari	7	22.11.2025
Total				94	

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

Sl. No.	Name of the Plant	Location	District	Connected Capacity (in MW)	Commercial Operation Date
Industrial Waste Based (Under Power Purchase Agreement)					
1	M/s Sai Renewable Power Pvt. Ltd.	Kamavarapukota	East Godavari	4.5	08.04.2004
2	M/s Raus Power (P) Limited.	Duppalapdu (V)	East Godavari	3.66	27.02.2009
3	M/s 3F Industries Ltd.,	Tadepalligudem	West Godavari	6	04.05.2006
4	M/s Redan	Gangavaram, Palamaner	Chittoor	7.5	31.03.2015
Total				21.66	
Sl. No.	Name of the Plant	Location	District	Connected Capacity (in MW)	Commercial Operation Date
Municipal Waste Based (Under Power Purchase Agreement)					
1	M/s Shriram Energy Systems Pvt. Ltd.	Vijayawada	Krishna	6	14.12.2003
2	Vijayawada Municipal Corporation	Vijayawada	Krishna	0.15	11.11.2004
3	M/s Jindal Urban Waste Management (Guntur) Limited	Kondaveedu, Edlapadu	Guntur	15	01.10.2021
4	M/s Jindal Urban Waste Management (Visakhapatnam) Limited	Kapulupada dump yard, Bheemunipatnam	Visakhapatnam	15	23.02.2022
Total				36.150	

6.4 (c) Commissioning Dates of Generating Units in Private Sector(Solar Power)

PROJECTS SELLING ENERGY TO APDISCOMs UNDER PPAs:

Sl. No.	Name of the Plant	Location	District	Installed Capacity	Commercial Operation Date
1	NTPC VIDYUT VYAPAR NIGAM LIMITED ACCOUNT SOLAR POWER	Ananthapur	Ananthapur	39.2	27.10.2014
2	NTPC (NP Kunta Ultra Mega Solar park)	NP Kunta	Ananthapur	250	09.05.2016
3	NTPC,(Ghani, Kurnool Ultra Mega Solar park)	Kurnool	Kurnool	1000	31.03.2017
4	SOLAR ENERGY CORPORATION OF INDIA LTD (SECI-AZURE 50MW)	Kadapa	Kadapa	50	04.06.2018
5	SOLAR ENERGY CORPORATION OF INDIA LTD (SECI-FRV 2 - 50MW)	Kadapa	Kadapa	50	08.10.2018
6	SOLAR ENERGY CORPORATION OF INDIA LTD 2*50 (SECI-TATA 100MW)	Kadapa	Kadapa	100	22.07.2018
7	SOLAR ENERGY CORPORATION OF INDIA LTD (SECI-FRV I - 50MW)	Kadapa	Kadapa	50	21.07.2018
8	SOLAR ENERGY CORPORATION OF INDIA LTD (SECI-ACME 150MW)	Kadapa	Kadapa	150	03.08.2018
9	SRI POWER GENERATION (INDIA) PVT. LTD,	Chervi	Chittoor	2	18.03.2011
10	A P INDUSTRIAL INFRASTRUCTURE CORPN LTD	Gooty	Anantapuram	1	15.03.2012
11	KISHORE ELECTRO INFRA PVT LTD	Perecherla (V) Guntur Rural	Guntur	1	13.03.2012
12	SRI POWER GENERATION (INDIA) PVT LTD -	Kotagallu, Kadiri(M)	Anantapuram	1	14.01.2012
13	AMRITJAL VENTURES PVT LTD	Kotagallu, Kadiri(M)	Anantapuram	1	07.03.2012
14	GAJANAN FINANCIAL SERVICES PRIVATE LIMITED	Laddagiri (V)	Kurnool	1	14.03.2012
15	NEW ERA ENVIRO VENTURES (MAHABUBNAGAR) PVT LTD	Rayachoti	Kadapa	10	30.03.2016
16	SPROUTS ENERGY PVT LTD	Pamulapadu	Kurnool	2	08.09.2016
17	SAI ACHYUTH ENERGY PVT LTD	Kurnool	Kurnool	5	18.10.2015
18	SUMERU ENERGY PVT LTD	Jagadurthy(V) Dhone(M)	Kurnool	5	22.09.2016
19	PALNADU SOLAR POWER PVT LTD	Inimella (V), Ipur(M)	Guntur	5	31.03.2016
20	SRI LAKSHMI VENKATESWARA GREEN ENERGY PVT LTD	Krishna	Krishna	1	30.06.2014
21	ABHEDYA POWER PVT LTD	Ubicherla	Anantapuram	2	08.08.2014
22	AMARAVATHI TEXTILES PVT LTD	Atmakur	Nellore	10	28.11.2015
23	WALWHAN RENEWABLE ENERGY LIMITED 30MW	Balapur, Kadapa Dist	Kadapa	30	20.03.2016
24	EAAMA ESTATES PVT LTD	GR Valasa	Vizianagaram	3	30.03.2016
25	MADDIMADUGU POWER PRIVATE LIMITED (EARLIER RAAJ RATNAENERGY)	Maddimadugu, Nallacheruvu(M), Kadiri Town	Anantapuram	5	19.11.2015
26	WALWHAN RENEWABLE ENERGY LIMITED 70MW	Banaganapalli	Kurnool	70	30.03.2016
27	VBC RENEWABLE ENERGY PVT LTD	Garividi	Vizianagaram	3	20.07.2016
28	BRIGHT SOLAR RENEWABLE ENERGY PVT LTD	Jammalabanda, Ananthapuram	Anantapuram	10	05.01.2016
29	GRT JEWELLERS (INDIA) PVT. LTD	Jammalabanda, Ananthapuram	Anantapuram	6	05.01.2016
30	AAROHI SOLAR PRIVATE LIMITED	Hindupur	Anantapuram	50	29.03.2016

Sl. No.	Name of the Plant	Location	District	Installed Capacity	Commercial Operation Date
31	VISHWATMA SOLAR ENERGY PVT LTD	Kadivella (V), Yemmiganur(M)	Kurnool	30	30.04.2016
32	RENEW SOLAR ENERGY(KARNATAKA) PVT LTD 39MW	Adoni	Kurnool	39	04.03.2016
33	HINDUPUR SOLAR PARK PRIVATE LTD	Deemigampalle and Seagipalle(V), Kurnool (M)	Anantapuram	40	31.03.2016
34	DAYANIDHI SOLAR POWER PVT LTD	Gunjarlapalli (V), Kurnool(M)	Chittoor	40	01.04.2016
35	HINDUPUR SOLAR PARK PRIVATE LTD (PH 1 TO 4)	Chittoor	Chittoor	40	28.06.2016
36	SEI GREEN FLASH PVT LTD (30MW)	Adurupalli	Nellore	30	27.10.2017
37	SEI ARUSHI PVT LTD (30 MW)	Kadiri	Anantapuram	30	28.10.2017
38	NIRANJANA SOLAR ENERGY PVT LTD	Pochanatala Mada(V), Chittoor(M)	Kurnool	20	31.03.2016
39	AZURE POWER INFRASTRUCTURE PVT LTD	Titralapalle(V), Yadi ki(M)	Anantapuram	50	28.03.2016
40	RENEW SOLAR ENERGY (KARNATAKA) PVT LTD - 21 MW	Tarupadu (V&M)	Prakasam	21	08.03.2016
41	WAANEER SOLAR PVT LTD 25MW (NAGARI)	Nagari	Chittoor	25	02.08.2018
42	RAIN COKE LTD (22 MW)	Kunuthur,Dharmavaram(M)	Kurnool	22	07.11.2017
43	YASWANTH SOLAR ENERGY PVT LTD	Kothapalli Mudunuru (M)	Kadapa	1	01.10.2016
44	WAANEER SOLAR PVT LTD	Marrimakulapalli(V) Guramkonda(M)	Chittoor	25	29.09.2016
45	ACME JAISALMER SOLAR POWER PVT. LTD	Kondakurupalli (V) Rayachoti,Ramapuram(M)	Kadapa	20	12.05.2016
46	NREDCAP LTD 1MW	Gonavampalli, Bhimavaram Rural (M)	West Godavari	1	10.08.2016
47	SB ENERGY PRIVATE LIMITED 3 MW	Midhur	Kurnool	3	21.03.2019
48	SBG (NP Kunta, NTPC)	NP Kunta	Anantapuram	250	11.03.2020
49	Ayana Ananthapuram (NP Kunta, NTPC)	NP Kunta	Anantapuram	250	31.03.2021
50	KADAPA Mylavaram NTPC	Mylavaram	Kadapa	250	31.05.2019
51	Spring Agnitra Pvt Ltd (NP Kunta, NTPC)	NP Kunta	Anantapuram	250	26.06.2021
Total				3350.200	
State Installed Capacity Grand Total in MW				18595.466	

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

M U

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

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

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

6.5 STATION WISE GENERATION - THERMAL (2014-15 TO 2021-22)

S.No.	Year	VTPS	RTPP	Krishnapatnam	TOTAL (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	2019-20	10024.29	5798.1	6647.59	22469.98
7	2020-21	7593.73	2046.42	6790.22	16430.37
8	2021-22	10540.3	6192.45	5277.24	22009.99

**6.5(A) GAS BASED STATION (VIJESWARAM) GENERATION (MU)
(JOINT SECTOR) 2014-15 TO 2021-22**

S.No	Year	VJSM Stage - I	VJSM Stage -II Commissioned on 31-03-1997	TOTAL (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
6	2019-20	391.68	588.95	980.63
7	2020-21	94.68	1131.46	1226.14
8	2021-22	134.69	817.90	952.59

(*) Generation data as per SLDC

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

MU

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

6.6 STATION WISE GENERATION - APGENCO HYDEL (Including Auxiliary Consumption)(2015-16 to 2021-22)

Sl. No	Year	Machkund	T.B.Dam &Hampi	Upper Sileru	Lower Sileru	Nagarjuna sagar RCPH	Nagarjuna sagar Tail pond HES	Srisaillam (RBHS)	Donkarayi	Penna ahobilam	Mini Hydel 11kV & 33kV	MU
												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
5	2019-20	340.64	158.00	623.32	835.73	101.2	75.51	1296.57	70.19	0.72	27.72	3529.60
6	2020-21	343.49	149.02	620.18	1292.57	155.51	54.72	1130.94	130.31	1.93	2.21	3880.87
7	2021-22	376.83	157.86	331.62	929.85	279.47	137.67	1439.11	64.54	5.70	2.42	3725.07

6.7 GENERATION, PURCHASE, IMPORT AND EXPORT OF ENERGY												
Generation (Gross), Purchases, imported and wheeled												
Year	Hydel	Thermal	Total	NTPC+MAPP + Kaiga+Neyveli	Karnataka	Tamil Nadu	Orissa	M.P / GEB/PSEB /CSEB	Maharashtra	Others \$	Total	Grand Total
1971-72	1221	1824	3045	-	266	14	-	-	-	-	280	3325
1972-73	974	2053	3027	-	103	44	-	-	-	-	147	3174
1973-74	910	2196	3106	-	67	43	395	-	-	-	505	3611
1974-75	533	2709	3242	-	81	33	518	-	-	-	632	3874
1975-76	941	2729	3670	-	47	95	332	-	-	-	474	4144
1976-77	1680	3145	4825	-	50	56	223	-	-	-	329	5154
1977-78	2002	3146	5148	-	58	99	105	-	-	-	262	5410
1978-79	3180	2876	6056	-	50	67	10	-	-	-	127	6183
1979-80	3225	3268	6493	-	48	55	1	-	-	-	104	6597
1980-81	3680	3596	7276	-	32	42	28	-	-	-	102	7378
1981-82	3984	5093	9077	-	9	10	21	-	-	-	40	9117
1982-83	4684	5562	10246	-	6	-	16	7	-	-	29	10275
1983-84	5092	5909	11001	173	1	-	-	9	-	-	183	11184
1984-85	6716	5835	12551	834	-	-	-	17	-	-	851	13402
1985-86	5453	6772	12225	2095	-	-	-	141	-	-	2236	14461
1986-87	6517	7282	13799	1979	-	-	-	240	-	-	2219	16018
1987-88	5864	7986	13850	1605	-	30	-	212	-	-	1847	15697
1988-89	6878	7263	14141	2376	1	6	-	527	-	-	2910	17051
1989-90	7802	7222	15024	3550	4	-	-	468	-	25	4047	19071
1990-91	10017	8102	18119	2725	2	-	-	73	135	49	2984	21103
1991-92	9516	8726	18242	4595	-	-	48	22	140	461	5266	23508
1992-93	8758	9114	17872	6748	-	-	-	201	87	466	7502	25374
1993-94	9633	9639	19272	7612	-	-	-	32	346	603	8593	27865
1994-95	9687	10842	20529	8449	-	-	149	109	541	9456	29985	29985
1995-96	6662	15103	21765	7814	-	-	585	34	637	9159	30924	30924
1996-97	7970	16720	24690	6964	-	-	290	6	-	1733	8993	33683
1997-98	7245	19019	26265	7321	-	-	651	0	3649	11881	38146	38146
1998-99	7189	19834	27023	6921	-	-	924	51	5314	13551	40573	40573
APGENCO												
1999-2K	8133.00	21499.10	29632.10									29632.10
2000-01	7230.68	21934.25	29164.93									29164.93
2001-02	5757.10	22245.00	28002.10									28002.10
2002-03	3336.85	23032.54	26369.39									26369.39
2003-04	2958.98	22455.39	25414.37									25414.37
2004-05	5267.22	21145.07	26412.29									26412.29
2005-06	7872.53	18718.33	26590.86									26590.86
2006-07	9246.63	19994.07	29240.70									29240.70
2007-08	9509.76	21451.57	30961.33									30961.33
2008-09	7702.54	23294.47	30997.01									30997.01
2009-10	5450.48	24101.16	29551.64									29551.64
2010-11	7717.67	26845.62	34563.29									34563.29
2011-12	6375.55	32893.11	39268.66									39268.66
2012-13	3206.64	34729.55	37936.19									37936.19
2013-14	7142.91	31706.00	38848.91									38848.91
2014-15	3750.30	19868.38	23618.68									23618.68
2015-16	2486.51	21217.17	23703.68									23703.68
2016-17	2312.58	24728.76	27041.34									27041.34

☼ Western Electricity Boards

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

(Contd.,)

6.7 GENERATION -SLDC DATA (Ex-bus)PARTICULARS										
	APGENCO									
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
2019-20	3529.60	22469.97	25999.57	980.63	14698.3	5244.1	6613.47	4674.80	4711.82	62922.69
2020-21	3821.86	16430.37	20252.23	1226.14	12151.75	6975.64	6491.84	1986.92	13985.67	63070.19
2021-22	3698.07	22009.99	25708.07	952.59	12201.76	7656.88	7083.82	1070.26	14299.24	68972.63

6.8 APSEB SALE OF ENERGY AND LINE LOSSES

(Figures in MU)

Year ending March	Total Net Generation + Purchases	Sales with in the state \$	Sales to other states and export	Total Sales	Line Loss	% Line Loss	Other Energies handled
1971-72	3185.17	2336.55	3.59	2340.14	845.03	26.53	--
1972-73	3018.51	2185.72	61.36	2247.08	771.43	25.56	--
1973-74	3435.30	2495.03	90.62	2585.65	849.65	24.73	--
1974-75	3631.26	2636.76	100.29	2737.05	894.21	24.63	--
1975-76	3842.65	2803.70	102.54	2906.24	936.41	24.37	--
1976-77	4804.94	3443.19	189.98	3633.17	1171.77	24.39	--
1977-78	5039.81	3788.16	113.18	3901.34	1138.47	22.59	--
1978-79	5824.29	4341.33	271.92	4613.25	1211.04	20.79	--
1979-80	6195.48	4557.55	312.14	4869.69	1325.79	21.40	--
1980-81	6915.19	5109.93	281.50	5391.43	1523.76	22.03	--
1981-82	8551.86	6099.76	478.53	6578.29	1973.57	23.08	--
1982-83	9648.52	7106.66	313.58	7420.24	2228.28	23.09	--
1983-84	10521.08	7722.08	551.35	8273.43	2247.65	21.36	--
1984-85	12716.99	9239.16	873.04	10112.20	2604.79	20.48	--
1985-86	13730.60	10321.28	538.23	10859.51	2871.09	20.91	--
1986-87	15217.78	11769.92	301.12	12071.04	3146.74	20.68	--
1987-88	14870.95	11678.16	214.27	11892.43	2978.52	20.03	--
1988-89	16305.34	13059.48	146.10	13205.58	3099.76	19.01	--
1989-90	18341.93	14434.56	193.02	14627.58	3714.35	20.25	--
1990-91	20233.14	16093.10	161.06	16254.16	3978.98	19.67	--
1991-92	22549.27	18015.95	182.16	18198.11	4351.16	19.30	255.87
1992-93	24415.76	19542.44	195.00	19737.44	4678.32	19.16	304.56
1993-94	26862.91	21606.04	139.54	21745.58	5117.33	19.05	344.46
1994-95	28847.57	23349.18	34.16	23383.34	5464.23	18.94	327.2
1995-96	29457.3	23882.35	23.00	23905.35	5551.95	18.85	427.02
1996-97	32092.22	21747.68	62.61	21810.29	10281.93	32.04	880.00
1997-98	36357.51	24309.11	27.61	24336.72	12020.79	33.06	694.65
1998-99	38720.01	23982.4	24.00	24006.40	14713.61	38.06	1462.36

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

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

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

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

6.9 PERFORMANCE OF VIJAYAWADA THERMAL POWER STATION

S.No.	Item	Unit	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15
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
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
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
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
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
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
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
10.	KWH / KW		8118	8162	8067	7818	7742	7900	7750	8207	7704	7050	8045	7620	7292	7219

6.9 PERFORMANCE OF VIJAYAWADA THERMAL POWER STATION									
S.No.	Item	Unit	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22
1.	Units Generated	MU	12066.23	11654.38	10821.93	10887.55	11060.39	8331.60	11591.93
2.	Auxiliary consumption	MU	1098.16	1008.32	977.12	815.57	1002.80	715.44	1009.91
3.	Auxiliary consumption %	%	9.10	8.65	9.03	9.03	9.07	8.59	8.71
4.	Service	Hours	8018.89	7828.36	7213.53	7727.12	7959.43	5609.92	7947.00
5.	Planned maintenance	Hours	759.48	805.13	1344.85	984.63	824.52	3150.38	836.80
6.	Forced outage								
7.	Reserve shutdown								
8.	Availability factor	%	91.29	89.36	82.35	88.21	90.61	90.64	90.72
9.	P.L.F.	%	78.05	75.59	70.19	70.62	71.54	54.04	75.19
10.	KWH / KW		6856	6622	6149	6186	6284	4734	6586

6.10 PERFORMANCE OF NELLORE THERMAL POWER STATION

3.10 - PERFORMANCE OF BELLORE 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
1.	Units generated	MU	3401.58	3353.78	2370.99	3293.67	4416.59	6741.61	6376.56	6255.32	8075.76	7692.6	7056.69	7163.53
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
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
4.	Service hours	Hrs	8179.51	8142.17	6137.55	8058.62	7827.61	8351.2	7862.45	7805.5	8288.3	7954.75	7633.72	7960.65
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
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
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
10.	KWH / KW		8099	7985	5645	7842	7010	8026	7591	8178	7691	7326	6721	6822

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

6.11 PERFORMANCE OF RAYALASEEMA THERMAL POWER STATION									
S.No.	Item	Unit	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22
1.	Units generated	MU	7292.70	6712.60	6926.44	6637.32	6408.35	2278.46	6814.90
2.	Auxiliary consumption	MU	760.08	691.75	695.46	687.52	608.71	232.20	620.64
3.	Auxiliary consumption	%	10.42	10.31	10.23	10.36	9.50	10.19	9.11
4.	Service hours	Hrs	8270.37	7680.38	7691.43	6570.76	5485.05	1714.16	5357.82
5.	Planned maintenance	Hrs	485.56	535.36	949.22	2729.34	3298.85	7045.84	3384.78
6.	Forced outage								
7.	Reserve shutdown								
8.	Availability factor	%	94.15	87.68	87.80	60.93	62.44	85.88	61.16
9.	P L F	%	79.07	72.98	73.94	45.92	44.22	15.76	47.15
10.	KWH / KW		6945	6393	4198	4023	3884	1380.89	4130

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 2019-20)**

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

Contd ..

6.12 PERFORMANCE OF THERMAL UNITS SINCE COMMISSIONING

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

Contd ..

6.12 PERFORMANCE OF THERMAL UNITS SINCE COMMISSIONING

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

Contd ..

6.12 PERFORMANCE OF THERMAL UNITS SINCE COMMISSIONING

Station	Capa-	1985 - 86		1986 - 87		1987 - 88		1988 - 89		1989 - 90		1990 - 91		1991 - 92	
	City	Gen	PLF	Gen	PLF	Gen	PLF	Gen	PLF	Gen	PLF	Gen	PLF	Gen	PLF
	MW	MU	%	MU	%	MU	%	MU	%	MU	%	MU	%	MU	%
VTPS															
Unit - I	210	1662.79	90.39	1684.79	91.58	1690.44	91.64	1432.80	77.91	1643.70	89.40	1513.13	82.25	1443.51	78.25
Unit - II	210	1607.02	87.36	1640.85	89.20	1721.25	93.31	1670.20	90.80	1318.00	71.70	1530.39	83.19	1321.89	71.66
Unit - III	210	--	--	--	--	--	--	--	--	413.70	72.00	1584.00	86.11	1174.86	63.69
Unit - IV	210	--	--	--	--	--	--	--	--	--	--	71.03	--	1374.25	74.50
STATION	840	3269.81	88.87	3325.64	90.39	3411.69	92.48	3103.00	84.30	3375.40	79.40	4698.55	83.85	5314.51	72.03
KTPS `A`															
Unit - I	60	382.86	72.84	333.85	63.52	394.21	74.80	204.20	38.80	433.00	82.40	305.44	58.11	139.91	26.55
Unit - II	60	345.46	65.73	137.23	26.11	460.44	87.36	422.10	80.00	392.80	74.70	288.14	54.82	380.39	72.17
Unit - III	60	387.28	73.68	354.55	67.46	196.60	37.31	287.70	54.70	391.40	74.50	172.98	32.91	291.87	55.38
Unit - IV	60	19.29	3.67	418.91	75.70	392.38	74.45	401.90	76.50	169.70	32.30	329.03	62.60	296.01	56.16
STATION	240	1134.89	53.98	1244.54	59.20	1443.63	68.48	1315.90	62.60	1386.90	66.00	1095.59	52.11	1108.18	52.17
KTPS `B`															
Unit - V	110	415.32	43.10	424.79	44.08	600.30	62.13	618.40	64.20	464.00	48.70	414.27	45.04	544.40	58.92
Unit - VI	110	279.34	28.99	433.54	44.98	612.59	63.40	583.40	60.60	559.40	58.70	502.84	54.67	505.04	54.87
STATION	220	694.66	36.04	858.33	44.53	1212.89	62.76	1201.80	56.40	1023.40	53.70	917.11	49.85	1049.44	56.89
KTPS `C`															
Unit - VII	110	520.99	54.07	615.78	63.90	641.27	66.37	455.80	47.30	653.40	67.80	490.37	50.87	418.59	43.32
Unit - VIII	110	539.24	55.96	634.66	65.87	711.99	73.69	632.00	65.60	390.00	40.50	438.32	45.49	405.19	41.93
STATION	220	1060.23	55.01	1250.44	64.88	1353.26	70.03	1087.80	56.40	1043.40	54.10	928.69	48.19	823.78	42.63
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

Station	Capacity	1992 - 93		1993 - 94		1994 - 95		1995 - 96	
		Gen MU	PLF %	Gen MU	PLF %	Gen MU	PLF %	Gen MU	PLF %
VTPS									
Unit-I	210	1275.58	69.34	1420.58	77.22	1592.26	86.55	1621.13	87.88
Unit-II	210	1386.21	75.35	1499.55	81.52	1575.13	85.62	1623.61	88.02
Unit-III	210	1444.93	78.55	1587.90	86.32	1488.50	80.91	1693.74	91.82
Unit-IV	210	1551.93	84.36	1401.36	76.18	1579.11	85.84	1712.18	92.82
Unit-V	210	--	--	--	--	1047.58	81.48	1738.04	94.22
Unit-VI	210	--	--	--	--	35.50	--	1469.05	98.20
STATION	1260	5658.65	76.90	5909.39	80.31	7318.08	84.37	9857.75	91.71
KTPS-A									
Unit-I	60	347.26	66.07	354.56	67.46	319.80	60.84	299.16	56.76
Unit-II	60	307.29	58.46	334.22	63.59	286.16	54.44	319.51	60.62
Unit-III	60	317.46	60.40	320.17	60.92	305.52	58.13	294.67	55.91
Unit-IV	60	282.81	53.81	318.08	60.54	295.93	56.30	304.99	57.87
STATION	240	1254.82	59.69	1327.03	63.12	1207.41	57.43	1218.33	57.79
KTPS-B									
Unit-V	110	505.29	54.93	470.19	51.12	493.39	53.64	558.94	60.60
Unit-VI	110	407.98	44.36	604.70	65.74	581.72	63.24	559.04	60.61
STATION	220	913.27	49.64	1074.89	58.43	1075.11	58.44	1117.98	60.61
KTPS-C									
Unit-VII	110	464.24	48.18	457.47	47.48	399.81	41.49	582.37	60.27
Unit-VIII	110	499.94	51.88	400.03	41.51	375.06	38.92	495.20	51.25
STATION	220	964.18	50.33	857.50	44.49	774.87	40.01	1077.57	55.76
KTPS TOTAL	680	3132.27	53.37	3259.42	55.53	3057.39	52.09	3413.88	58.01
KTPS-V									
Unit-1X(Stab.)	250	-	-	-	-	-	-	-	-
Comm. 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	#VALUE!	64.93	#VALUE!	68.67	#VALUE!	70.11	#VALUE!	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	1996 - 97		1997 - 98		1998 - 99		1999 - 2000		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			
		Gen MU	PLF %	Gen MU	PLF %	Gen MU	PLF %	Gen MU	PLF %	Gen MU	PLF %	Gen MU	PLF %	Gen MU	PLF %	Gen MU	PLF %	Gen MU	PLF %	Gen MU	PLF %	Gen MU	PLF %	Gen MU	PLF %	Gen MU	PLF %	Gen MU	PLF %	Gen MU	PLF %	Gen MU	PLF %	Gen MU	PLF %	Gen MU	PLF %				
VTPS																																									
Unit-I	210	1644.91	89.42	1644.82	89.41	1571.03	85.4	1622.22	87.9	1516.93	82.5	1644.68	89.4	1669	91	1583	86	1309	71	1569	85	1694	92	1650	89	1616	88	1707	93	1559	85	1641	89	1355	74	1178	64	1489	80.96		
Unit-II	210	1690.65	91.90	1657.09	90.08	1582.61	86.03	1243.76	67.4	1706.97	92.8	1707.69	92.83	1613	88	1621	88	1631	89	1545	84	1515	82	1280	69	1639	89	1756	95	1624	88	1645	89	1610	88	1568	85	1489	80.92		
Unit-III	210	1753.11	95.30	1738.56	94.51	1695.14	92.15	1721.64	93.3	1767.81	96.10	1749.29	95.09	1733	94	1742	94	1728	94	1749	95	1518	83	1725	94	1805	98	1726	94	1761	96	1715	93	1754	95	1584	86	1542	83.83		
Unit-IV	210	1728.36	93.95	1744.10	94.8	1691.12	91.93	1539.63	83.5	1753.34	95.3	1749.57	95.11	1759	96	1706	93	1708	93	1622	88	1770	96	1674	91	1817	99	1353	74	1589	86	1722	93	1674	91	1582	86	1523	82.77		
Unit-V	210	1723.71	93.70	1783.53	96.95	1553.03	84.42	1761.34	95.5	1708.4	92.9	1782.73	96.91	1760	96	1757	95	1736	94	1661	90	1756	95	1704	92	1654	90	1818	99	1702	93	1569	85	1722	94	1578	86	1539	83.67		
Unit-VI	210	1733.57	94.24	1789.11	97.26	1735.00	94.31	1732.95	94	1744.76	94.8	1594.11	86.66	1750	95	1756	95	1739	95	1609	87	1701	92	1732	94	1810	98	1346	73	423	23	1746	95	1552	84	1562	85	1504	81.76		
Unit-VII	500																																								
STATION	1760	10274.31	93.08	10357.13	93.83	9827.93	89.04	9621.54	86.9	10198.21	92.4	10228.07	92.67	10284	93	10164	92	9851	89	9755	88	9954	90	9765	88	10341	94	9707	88	8658	80	14159	92	13411	92	12833	83	12705	82.40		
KTSPS-A																																									
Unit-I	60	352	67	363	69	329	63	371	70	313	59	437	83	462	88	444	84	417	79	410	78	441	84	434	82	401	76	371	71	466	89	448	85	406	77	398	76				
Unit-II	60	352	67	385	73	324	62	420	80	455	87	448	85	431	82	413	78	446	85	347	66	467	89	444	84	408	78	457	87	393	75	450	85	406	77	393	75				
Unit-III	60	345	66	102	19	211	40	418	79	472	90	472	90	472	90	436	83	472	90	399	76	385	73	441	84	393	75	442	84	438	83	445	85	417	79	374	71				
Unit-IV	60	346	66	372	71	305	58	406	77	458	87	397	75	479	91	434	82	472	90	425	81	395	75	412	78	397	75	464	88	429	82	416	79	407	78	383	73				
STATION	240	1395.43	66.37	1222.22	58.13	1168.44	55.58	1615.57	76.6	1697.55	80.7	1753.26	83.39	1844	88	1728	82	1807	86	1581	75	1687	80	1730	82	1599	76	1734	82	1727	82	1759	83	1637	78	1549	74				
KTSPS-B																																									
Unit-V	120	586	64	612	67	349	38	546	59	115	13	696	76	907	86	929	88	894	85	850	81	800	76	775	73	663	63	924	88	848	81	841	80	759	72	757	72				
Unit-VI	120	592	64	609	66	223	24	516	56	680	74	368	40	555	60	938	89	911	87	762	72	821	78	782	74	747	71	771	73	834	79	825	78	719	68	761	72				
STATION	240	1178	64	1220	66	572	31	1062	58	795	43	1064	58	1462	74	1867	89	1806	86	1612	77	1621	77	1557	74	1410	67	1695	81	1682	80	1666	79	1478	70	1518	72				
KTSPS-C																																									
Unit-VII	120	436	45	604	63	515	53	655	68	697	72	688	71	684	71	347	36	839	87	762	73	765	73	900	85	756	72	730	69	848	81	818	78	797	76	710	67.57				
Unit-VIII	120	511	53	590	61	520	54	554	57	673	70	667	69	655	68	283	29	913	95	777	74	713	68	843	80	697	66	754	72	799	76	756	72	695	66	509	48.41				
STATION	240	947	49	1195	62	1035	54	1209	63	1371	71	1355	70	1339	69	631	33	1752	91	1539	73	1479	70	1743	83	1453	69	1485	71	1647	78	1573	75	1492	71	1219	57.99				
KTSPS TOTAL	720	3520.15	59.98	3637.07	61.97	2775.97	47.3	3887.15	66.1	3863.27	65.8	4172.14	71.09	4645	77	4226	69	5364	87	4732	75	4787	76	5030	80	4462	71	4913	78	5057	80	4998	79	4607	73	4286	67.95				
KTSPS-V																																									
Unit-1X(Stab.)		-	-	475	-	1691																																			
Commnl. from 1.10.97	250	-	-	1020	93	532	77	1926	88	1741	80	2039	93	2035	93	2040	93	2100	96	1886	86	2057	94	1994	91	1960	90	1930	88	2079	95	1510	69	1827	83	1791	81.78				
Unit-X	250	-	-	32	-	1163	-	2008	91	2043	93	1823	83	2046	93	1999	91	2040	93	1596	73	1624	74	1977	90	1706	78	2105	96	1339	61	2033	93	1895	87	1829	83.5				
TOTAL	500	-	-	1526.30	93.39	3387.17	91.46	3933.42	89.6	3784.36	86.4	3862.49	88.18	4081	93	4038	92	4140	95	3482	80	3681	84	3970	90	3666	84	4036	92	3418	78	3544	81	3722	85	3620	82.64				
KTSPS-VI																																									
Unit -XI from 26-6-2011	500																																								
RTPP																																									
RTPP-Unit-I	210	1224	67	1456	79	1707	93	1742	94	1754	95	1675	91	1745	95	1762	93	1639	89	1094	59	1638	89	1494	81	1679	91	1613	88	1579	86	1628	88	1407	75	86	1217	66.17	1411	76.67	
RTPP-Unit-II	210	1212	66	1526	83	1658	90	1758	95	1722	94	1726	94	1744	95	1999	91	1715	93	1277	69	1655	90	1653	90	1678	91	1657	90	1355	74	1626	88	1344	73	1407	76.48	1349	73.32		
RTPP-Unit-III	210																																								
RTPP-Unit-IV	210																																								
RTPP-Unit-V	210																																								
STATION	1050	2436.54	66.22	2982.58	81.07	3365.06	91.46	3500.35	94.9	3475.39	94.5	3400.81	92.43	3489	95	4038	92	3354	91	2371	64	3314	90	4417	83	6742	92	6377	87	6255	82	8076	88	7693	84	7057	76.72	7164	77.88		
RIS-B	63	378	69	400	73	380	69	429	78	444	81	425	78	389	71	471	86	496	91	397	73	331	60	503	92	467	85	512	94	470	86	453	82	436	80	446	81.42				
Kakatiya-I	500	111	42	116	44	97	37	128	49	169	64	156	59																												
TOTAL THERMAL(*)	4593	16719.98	78.14	19019.49	82.32	19833.62	77.64	21499.10	83.2	21934.26	85.1	22245.00	86.3	23033	89	22455	86	23360	90	20745	80	22067	85	23686	86	25678	87	25544	86	25696	79	32893	84	37934	85	34795	78	34795	78		

6.12 PERFORMANCE OF THERMAL UNITS SINCE COMMISSIONING															
Station	Capacity MW	2015-16		2016-17		2017-18		2018-19		2019-20		2020-21		2021-22	
		Gen MU	PLF %	Gen MU	PLF %	Gen MU	PLF %	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	1176.54	63.78	761.1	41.37	1316.15	71.55
Unit-II	210	1464.57	79.40	1150.39	62.53	1021.67	55.54	1294.94	70.39	1236.05	67.01	758.73	41.24	1347.36	73.24
Unit-III	210	1562.19	84.69	1487.51	80.86	1511.74	82.18	1311.84	71.31	1323.2	71.73	1128.02	61.32	1442.09	78.39
Unit-IV	210	1616.36	87.62	1239.01	67.35	1497.37	81.40	1373.98	74.69	1393.55	75.55	915.18	49.75	1378.79	74.95
Unit-V	210	1465.27	79.43	1416.36	76.99	1496.69	81.36	1408.74	76.58	1354.61	73.43	927.95	50.44	1468.45	79.82
Unit-VI	210	1503.64	81.51	1436.57	78.09	1335.62	72.60	1378.02	74.91	1409.48	76.41	966.45	52.54	1479.74	80.44
Unit-VII	500	3007.53	68.48	3541.26	80.85	3021.31	68.98	3128.19	71.42	3166.96	72.11	2874.17	65.62	3159.35	72.13
STATION	1760	12066.23	78.05	11654.38	75.59	10821.93	70.19	10887.55	70.62	11060.39	71.54	8331.60	71.54	11591.93	75.18635
RTPP															
RTPP-Unit-I	210	1489.08	80.72	1278.34	69.49	1389.14	75.51	1166.7	63.42	863.32	46.8	312.224	16.97	1157.046	62.90
RTPP-Unit-II	210	1421.43	77.06	1421.64	77.28	1378.92	74.96	1197.33	65.09	559.02	30.31	20.708	1.13	317.4	17.25
RTPP-Unit-III	210	1471.56	79.78	1365.21	74.21	1400.45	76.13	884.28	48.07	1111.7	60.27	524.839	28.53	745.005	40.50
RTPP-Unit-IV	210	1483.34	80.41	1263.48	68.68	1448.9	78.76	1264.97	68.76	890.42	48.27	307.041	16.69	1061.648	57.71
RTPP-Unit-V	210	1427.29	77.37	1383.93	75.23	1183.98	64.36	1034.68	56.24	635.62	34.46	244.183	13.27	1003.329	54.54
RTPP-Unit-VI	600	---	---	---	---	125.05	---	1089.36	20.73	2348.21	44.55	869.466	16.54	2530.47	48.14
STATION	1650	7292.70	79.07	6712.60	72.98	6926.44	73.94	6637.32	45.92	6408.29	44.21	2278.461	15.76	6814.898	47.15
TOTAL THERMAL	3410	19358.93	78.43	18366.98	74.62	17748.37	71.5	17524.87	58.67	17468.68	58.32	10610.06	58.32	18406.83	61.62

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

(Contd.,)

6.13 THERMAL POWER STATION-FUEL PARTICULARS

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

6.13 THERMAL POWER STATION-FUEL PARTICULARS

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

6.13 THERMAL POWER STATION-FUEL PARTICULARS

Year	Station	Generation (MU)	Coal	Coal	Coal	Oil	Consumption\KWH		C.V. of Coal KCal/Kg	Heat rate KCal/Kwh
			Linkage (Million Tonnes)	receipts (Million Tonnes)	Consumption (Million Tonnes)	Consumption (KL)	Coal(KG)	Oil (ml)		
2006-07	VTPS	9953.95	7.41	6.90	6.93	2788	0.70	0.28	3405	2374
	KTPS	4787.31	} 7.02	3.77	3.80	6207	0.79	1.30	3423	2731
	KTPS-V	3680.69		2.55	2.64	1324	0.72	0.36	3296	2364
	RTPP	3293.67	3.40	2.01	2.22	1662	0.68	0.50	3447	2334
	RTS'B'	330.66	0.37	0.24	0.24	491	0.71	1.49	3874	2770
	NTS									
2007-08	VTPS	9765.44	7.86	7.00	7.11	2789	0.73	0.29	3239	2362
	KTPS	5030.30	} 7.20	4.06	4.14	4721	0.82	0.94	3289	2723
	KTPS-V	3970.43		2.94	2.93	1465	0.74	0.37	3170	2344
	RTPP	4416.59	4.67	3.09	3.09	17412	0.70	1.28	3281	2325
	RTS'B'	503.01	0.33	0.33	0.33	316	0.66	0.63	3953	2613
2008-09	VTPS	10340.94	7.55	7.30	7.26	2959	0.70	0.29	3304	2324
	KTPS	4462.11	} 5.90	3.99	4.00	8542	0.90	1.91	3084	2784
	KTPS-V	3665.89		2.97	3.00	3827	0.82	1.04	2804	2306
	RTPP	6741.61	5.09	3.99	4.72	5218	0.70	0.77	3230	2268
	RTS'B'	467.35	0.32	0.35	0.33	201	0.71	0.43	3701	2645
2009-10	VTPS	10727.18	7.55	7.70	7.62	3007	0.72	0.31	3274	2360
	KTPS	4913.38	} 5.90	4.49	4.22	4486	0.86	0.91	3079	2657
	KTPS-V	4035.64		3.27	3.10	1689	0.77	0.42	2966	2285
	RTPP	6376.56	5.09	4.48	4.40	3325	0.69	0.52	3289	2278
	RTS'B'	512.18	0.32	0.35	0.35	179	0.69	0.35	3735	2562
2010-11	VTPS	12408.14	8.08	7.92	8.65	4128	0.74	0.48	3173	2342
	KTPS	5057.09	} 5.90	6.79	4.32	4616	0.85	0.91	3068	2631
	KTPS-V	3417.97			2.53	2830	0.74	0.83	2980	2210
	RTPP	6255.32	4.75	4.21	4.33	8844	0.69	0.81	3245	2257
	RTS'B'	469.91	0.30	0.32	0.33	296	0.71	0.63	3601	2555
	Kakatiya-I	1838.51	2.16	1.21	1.16	16824	0.63	2.37	3570	2272
2011-12	VTPS	14159.09	7.69	8.53	9.80	6216	0.72	0.62	3198	2314
	KTPS	4998.02	} 5.90	8.05	4.39	5501	0.88	1.10	3046	2686
	KTPS-V&VI	5844.27			4.06	20532	0.69	0.97	3226	2251
	RTPP	8075.76	5.49	5.12	5.49	13449	0.68	1.67	3353	2294
	RTS'B'	452.70	0.30	0.32	0.33	590	0.72	1.30	3614	2615
	Kakatiya-I	2440.72	2.16	2.37	1.49	6266	0.61	2.57	3688	2272
2012-13	VTPS	13410.51	7.69	9.93	9.81	19968	0.77	2.07	3032	2347
	KTPS	4607.32	3.70	4.65	4.44	10200	0.96	2.21	2912	2830
	KTPS-V&VI	7799.06	4.51	5.59	5.58	9518	0.72	1.22	3365	2421
	RTPP	7692.60	5.49	5.20	5.15	9308	0.67	1.21	3381	2275
	RTS'B'	435.83	0.30	0.32	0.32	869	0.75	1.99	3576	2714
	Kakatiya-I	3988.72	2.16	2.35	2.48	2365	0.62	0.59	3719	2320
2013-14	VTPS	12833.42	7.57	9.96	9.57	10109	0.78	1.12	3050	2380
	KTPS	4285.96	3.70	4.63	4.77	6228	1.11	1.45	2749	3073
	KTPS-V&VI	7018.27	3.77	5.09	5.44	5043	0.78	0.72	3042	2367
	RTPP	7056.69	5.43	3.26	5.02	9687	0.71	1.37	3271	2342
	RTS'B'	445.77	0.30	0.36	0.35	963	0.78	2.16	3510	2774
	Kakatiya-I	3155.09	2.29	2.54	2.51	3382	0.67	1.07	3492	2347
2014-15	VTPS	12704.85	-	9.76	9.52	14980	0.75	1.18	3272	2463
	RTPP	7163.53	-	5.63	5.43	13931	0.76	1.94	3032	2317
2015-16	Dr NTPPS	12066.23	-	9.72	9.25	10437	0.76	0.86	3181	2434
	RTPP	7292.70	-	5.75	5.35	5888	0.73	0.81	3127	2300
2016-17	Dr NTPPS	11654.38	8.31	8.697	8.936	7521	0.76	0.65	3175	2431
	RTPP	6712.60	5.76	4.439	4.696	3938	0.70	0.59	3270	2293
2017-18	Dr NTPPS	10821.93	8.310	8.196	8.537	7357	0.79	0.68	3148	2489
	RTPP	6926.44	5.76	4.871	4.968	4113	0.73	0.60	3195	2339
2018-19	Dr NTPPS	10887.55	8.31	9.498	8.941	5288	0.82	0.49	3057	2515
	RTPP	6637.32	5.76	4.995	4.825	11166	0.73	1.68	3320	2430
2019-20	Dr NTPPS	10024.29	8.31	9.11	9.04	7236	0.82	0.65	3107	2546
	RTPP	5798.1	6.65	5.23	4.91	6763	0.77	1.06	3109	2396
2020-21	Dr NTPPS	8331.6	8.31	6.18	6.65	5278	0.80	0.63	3131	2506
	RTPP	2278.46	8.07	1.31	1.68	2566	0.74	1.13	3231	2387
2021-22	Dr NTPPS	11591.93	8.31	9.15	9.22	5081	0.80	0.44	3108	2476
	RTPP	6814.90	8.07	5.12	5.12	7687	0.75	1.13	3248	2452

6.14 HYDEL RESERVOIR PARTICULARS

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

6.15 YEAR-WISE STORAGE AND INFLOWS

Year	Initial level in	Gross Storage in 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	

6.15 YEAR-WISE STORAGE AND INFLOWS

Year	Initial level in	Gross Storage in	During July -June		
	ft as on1st July		Inflows TMC ft	Drawal TMC ft	
2002-03*	2728.10	17.67	22.22	36.92	
2003-04*	2686.50	3.01	47.50		
2004-05*	2732.20	20.32	49.77		
2005-06*	2719.00	12.85	54.74	48.14	
2006-07*	2731.10	19.52	68.13	52.79	
2007-08*	2726.00	16.45	63.52	30.22	
2008-09*	2744.50	26.78	34.57	38.79	
2009-10*	2724.10	12.65	32.27	41.33	
2010-11*	2705.10	4.72	53.05	37.25	
2011-12	2742.70	25.23	24.33	32.21	
2012-13	2732.05	17.47	46.95	44.77	
2013-14	2731.35	16.99	49.51	39.67	
2014-15	2736.55	20.55	36.13	44.80	
DATA OF BALIMELA RESERVOIR				AP	ORISSA
1981-82	1441.80	34.30	63.60	51.60	58.80
1982-83	1431.80	27.60	83.00	57.90	58.40
1983-84	1436.10	30.70	106.30	65.10	81.60
1984-85	1434.80	29.50	64.20	56.80	60.60
1985-86	1433.30	28.60	57.20	41.50	48.70
1986-87	1433.70	28.80	77.10	60.30	62.70
1987-88	1432.00	27.80	43.20	32.30	32.40
1988-89	1433.80	28.90	59.60	48.50	47.80
1989-90	1437.20	31.11	86.83	57.40	57.40
1990-91	1447.60	38.83	188.24	77.30	80.60
1991-92	1468.70	52.92	80.58	76.20	80.90
1992-93	1435.3	29.83	93.29	75.30	77.40
1993-94	1432.4	28.00	49.03	40.90	43.80
1994-95	1432.40	28.00	165.26	74.54	77.56
1995-96	1469.80	59.06	75.46	80.71	80.71
1996-97	1447.70	38.91	71.41	61.37	63.90
1997-98	1442.80	35.10	51.98	44.74	44.11
1998-99	1442.80	35.10	66.00	48.01	47.96
1999-00	1460.20	49.56	98.76	61.56	68.43
2000-01*	1460.20	49.56	66.66	63.72	57.97
2001-02	1440.70	33.53	76.78	64.30	61.57
2002-03*	1439.80	32.87	34.28	36.74	31.81
2003-04	1441.00	33.75	121.30		
2004-05	1473.80	63.43	94.16	79.52	86.22
2005-06	1456.00	46.05	86.21	65.79	59.35
2006-07	1463.50	52.73	151.67	85.15	89.30
2007-08	1483.20	74.91	108.96	76.52	101.64
2008-09	1474.70	31.42	72.35	92.52	53.01
2009-10	1448.20	6.31	58.46	33.23	45.68
2010-11	1466.40	22.56	126.35	56.23	72.51
2011-12	1486.20	45.96	54.39	62.80	59.77
2012-13	1448.80	6.79	92.73	55.45	30.12
2013-14	1495.50	58.98	117.10	66.07	90.75
2014-15	1498.90	63.91	109.66	81.83	69.55
* Inflows and drawal are during financial year (Apr-Mar) w.e.f the year 2000-01					

6.15 YEAR-WISE STORAGE AND INFLOWS					
Year	As on 1st April		During April to March		
	Intial level in feet	Net Storage in	Inflows TMC ft	Drawal TMC ft	
DATA OF SRISAILAM RESERVOIR					
2014-15	850.80	52.78	640.69	495.60	
2015-16	805.20	2.66	53.79	66.76	
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)	
2019-20	824.10	44.087	1666.69	233.72(RBPH)	
2020-21	829.40	19.921	1650.37	197(RBPH)	
2021-22	822.80	30.061	1112.65	258.35	
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	
2019-20	2725.30	19.44	60.83	56.33	
2020-21	2733.55	18.36	40.22	41.06	
2021-22	2731.40	17.02	38.17	45.67	
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
2019-20	1487.50	54.31	181.88	92.26	83.76
2020-21	1488.30	81.95	165.27	88.52	91.06
2021-22	1473.40	29.99	109.41	47.98	60.91

6.16 GENERATION SCHEMES CLEARED AND READY FOR EXECUTION AS ON 31-03-2022

S.No.	Name of the Scheme	Location (District)	Capacity No. x MW	Remarks
1	Polavaram Hydro electric	West Godavari	(12X80 MW)=960 MW	Programmed to commission Unit-1,2 &3 during Jul 2024 Unit-4 to 12 : One unit for every consecutive of 2 months last by unit Jan 2026.
2	Krishnapatam Stage -II	Nellore	1X800 MW	Programmed to commission during 2022-23 & Commissioned on 27.10.2022
3	NTPP - Stage V	Krishna Dt	1X800 MW	Programmed to commission during 2022-23 (To be commissioned in Feb-2023)

6.17 POWER PROJECTS UNDER CONSTRUCTION - PROGRESS AS ON 31-03-2022

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	7586.67	* Zero date was commenced on Dt:15.12.2015 * works are under Progress * synchronization with oil - 07-Dec-2021 *Programmed to commission during 2022-23
2	Sri Damodaram Sanjeevaiah TPS Stage II	Krishnapatnam (Nellore)	1 x 800 MW	7969.42	* Zero date was commenced on Dt:15.12.2015 *works are under Progress *1st Synchronization was completed on 10.11.2021@ 18:30 hrs (Max load137MW @18:33 hrs) *Programmed to commission during 2022-23
State Sector (Hydro)					
1	Polavaram HEP	Polavaram	12 x 80 MW	5338.95	* Zero date was commenced on Dt:30.03.2021 * Unit-1,2 &3 completion by Jul 2024 Unit-4 to 12 : One unit for every consecutive of 2 months last by unit Jan 2026.

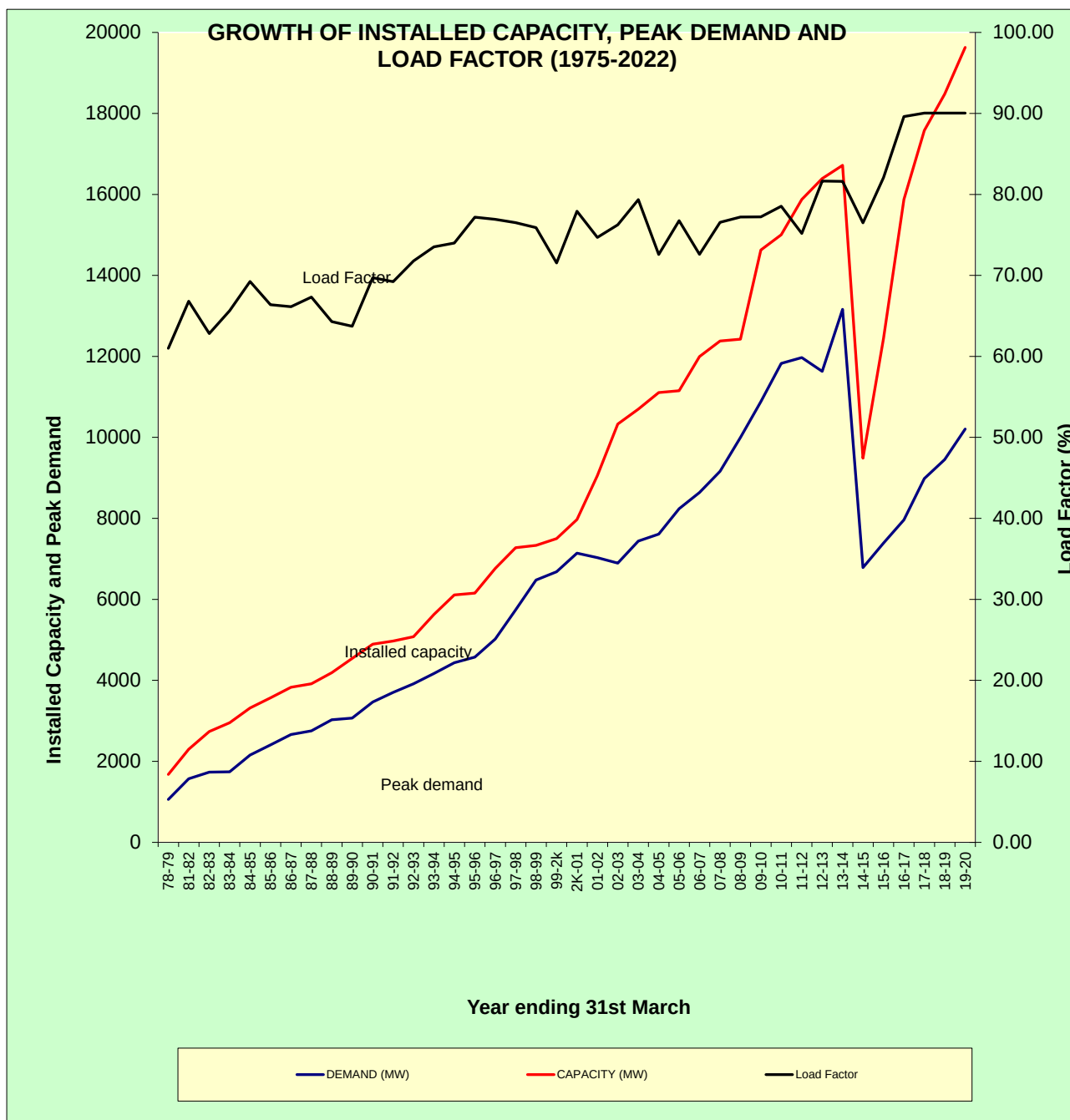
6.18 Generation Projects under Development as on 31-3-2022

State Sector				
S.No	Name of the Project	Capacity Addition	Estimated Cost (in Crs.)	Remarks
1	Additional two units at Lower Sileru Power House	230 MW (2 x 115 MW)	Rs. 571Crs	Work awarded on 13-04-2022 to M/s Shirdi Sai Electrical Ltd - M/s PES Engineers Pvt Ltd (Consortium). Obtaining of APERC approval & Environmental clearance is under process
2	Pumped Storage Project at Upper Sileru	1350 MW (9 x 150 MW)	Rs. 10445Crs	Obtaining of Techno Economic Concurrence (TEC) from CEA, Forest Clearance & Environmental clearance is under process

6.19 Estimated potential & Harnessesed in Renewable Energy Sources (As on 31.03.2022)

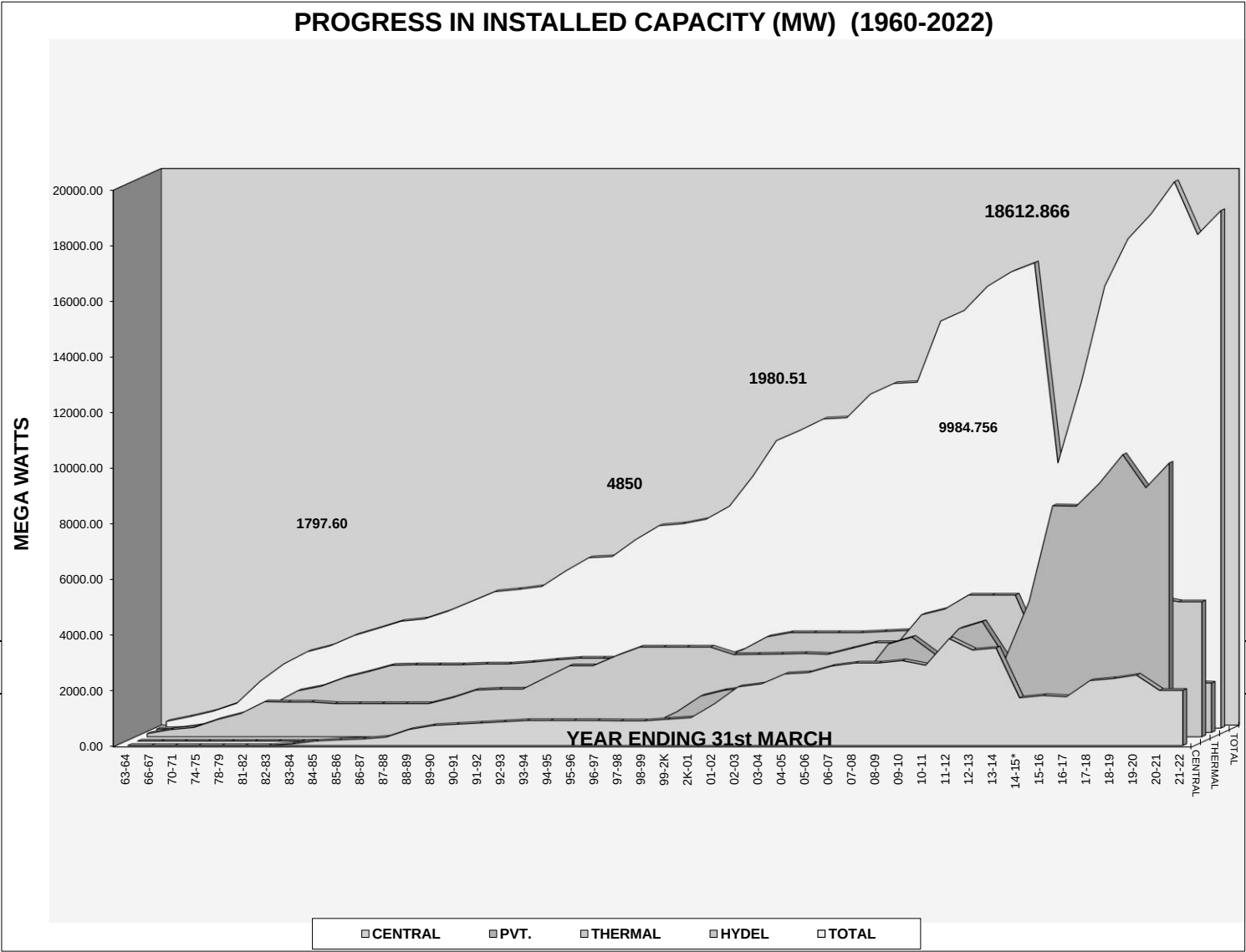
SNO	Energy Source	Potential (MW)	Capacity Harnessesed up to Mar-21 (MW)	Added during the year	Capacity Harnessesed up to Mar-22 (MW)
1	Wind	44229.00	3767.950	0.000	3767.950
2	Biomass projects including co-generation power projects	500.00	132.500	(24.500)	108.000
3	Bagasse based Co-generation	300.00	105.000	(11.000)	94.000
4	Municipal Solid Waste	100.00	6.150	30.000	36.150
5	Industrial Waste	100.00	21.660	0.000	21.660
6	Small Hydro	500.00	28.700	1.950	30.650
7	Solar	38440	3505.626	250.000	3755.626
	Total	84169	7567.586	246.450	7814.036

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	15876	7965	90.03
17-18	17578	8983	90.03
18-19	18477	9453	90.04
19-20	19630	10207	74.92
20-21	17734	11193	81.10
21-22	18613	12032	76.45

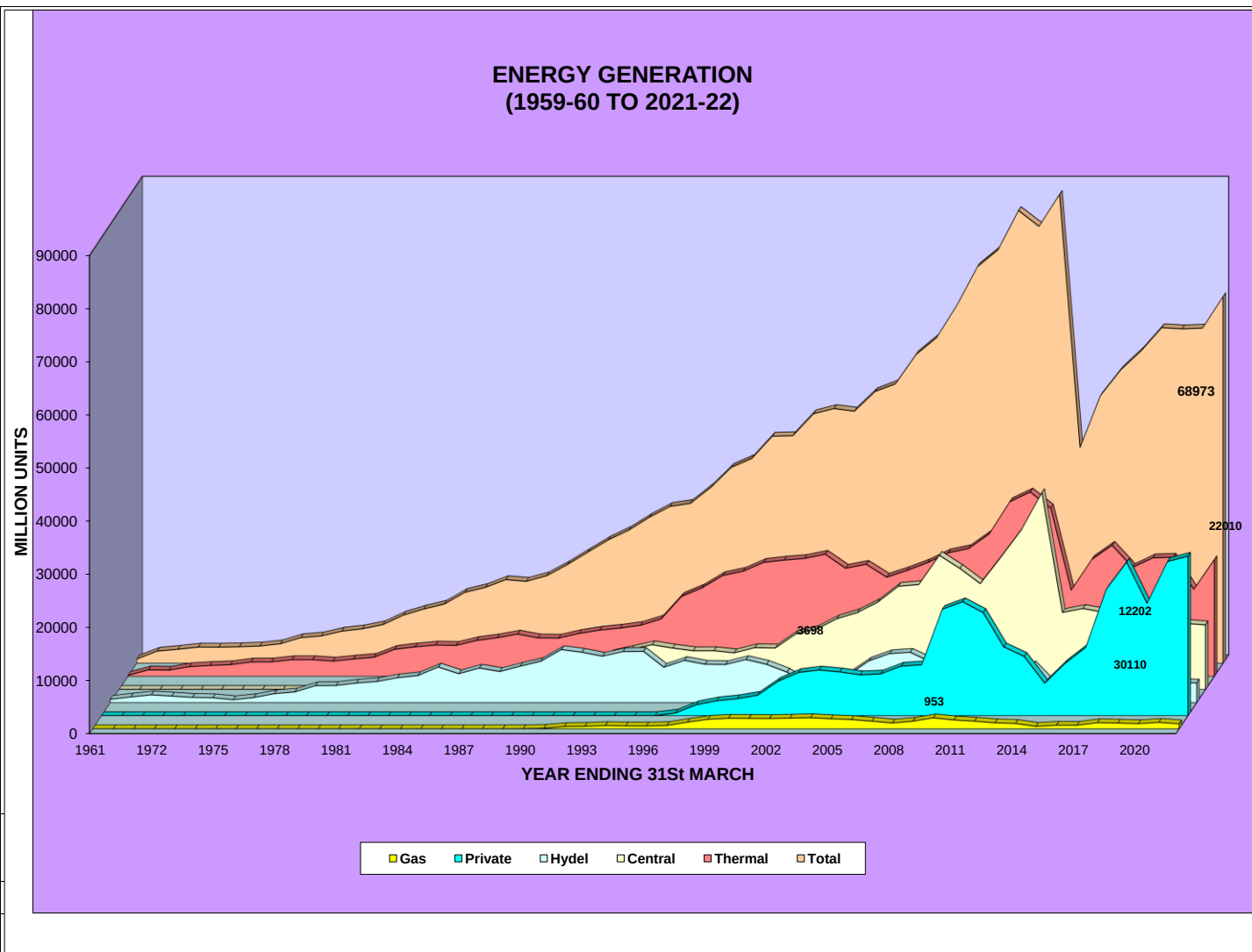


YEAR	HYDEL	THERMAL	CENTRAL	PVT &OTHERS.	TOTAL
59-60	124.00	89.00	--		213.00
63-64	126.00	114.00	--		240.00
66-67	151.60	259.00	--		410.60
70-71	271.60	337.00	--		608.60
74-75	271.60	620.00	--		891.60
78-79	841.60	840.00	--		1681.60
81-82	1043.20	1260.00	--		2303.20
82-83	1494.80	1247.50	--		2742.30
83-84	1659.80	1247.50	54.00		2961.30
84-85	1971.40	1192.50	162.00		3325.90
85-86	2182.42	1192.50	202.00		3576.92
86-87	2411.42	1192.50	234.00		3837.92
87-88	2431.21	1192.50	299.00		3922.71
88-89	2431.21	1192.50	577.00		4200.71
89-90	2431.21	1402.50	717.00		4550.71
90-91	2461.21	1678.50	762.00		4901.71
91-92	2462.21	1712.50	807.00		4981.71
92-93	2524.21	1712.50	852.00		5088.71
93-94	2605.21	2132.50	897.00		5634.71
94-95	2667.21	2552.50	897.00	2.93	6119.64
95-96	2668.21	2552.50	897.00	45.60	6163.31
96-97	2668.21	2914.50	897.00	290.44	6770.15
97-98	2668.21	3224.50	885.00	495.14	7272.85
98-99	2668.21	3224.50	885.00	563.64	7341.35
99-2K	2683.21	3224.50	942.50	654.10	7504.31
2K-01	2684.21	3224.50	1000.00	1065.20	7973.91
01-02	2984.21	2952.50	1500.00	1619.19	9055.90
02-03	3434.21	2962.50	2106.25	1825.89	10328.85
03-04	3586.36	2972.50	2212.50	1924.22	10695.58
04-05	3586.36	2992.50	2571.00	1955.85	11105.71
05-06	3586.36	2962.50	2616.94	1985.39	11151.19
06-07	3586.36	3172.50	2854.69	2382.76	11996.31
07-08	3627.36	3382.50	2963.22	2408.51	12381.59
08-09	3666.36	3382.50	2963.22	2415.17	12427.25
09-10	3705.36	4382.50	3048.54	3489.12	14625.52
10-11	3792.36	4592.50	2882.68	3735.50	15003.04
11-12	3829.50	5092.50	3837.95	3116.54	15876.49
12-13	3829.36	5092.50	3428.97	4038.47	16389.30
13-14	3829.36	5092.50	3501.40	4294.07	16717.33
14-15*	1671.29	3148.15	1712.73	2996.83	9529.00
15-16	1671.29	3948.15	1795.95	5028.16	12443.55
16-17	1721.29	3948.15	1750.85	8456.13	15876.42
17-18	1797.60	5010.00	2330.55	8440.26	17578.41
18-19	1797.60	5010.00	2403.16	9266.44	18477.20
19-20	1797.60	5010.00	2529.81	10292.72	19630.126
20-21	1797.60	4850.00	1980.63	9105.73	17733.956
21-22	1773.60	4850.00	1980.51	9991.36	18595.466

* Figures indicate for residual AP



Year	Hydel	Thermal	Gas	Pvt.	Central & Other States	Total
1960	505	123	-	-	-	628
1961	610	174	-	-	-	784
1969	1059	1218	-	-	-	2277
1970	1460	1164	-	-	-	2624
1972	1221	1824	-	-	-	3045
1973	974	2053	-	-	-	3027
1974	910	2196	-	-	-	3106
1975	533	2709	-	-	-	3242
1976	941	2729	-	-	-	3670
1977	1680	3145	-	-	-	4825
1978	2002	3146	-	-	-	5148
1979	3180	2875	-	-	-	6055
1980	3225	3268	-	-	-	6493
1981	3680	3596	-	-	-	7276
1982	3984	5093	-	-	-	9077
1983	4684	5562	-	-	-	10246
1984	5092	5909	-	-	173	11174
1985	6716	5835	-	-	834	13385
1986	5453	6772	-	-	2095	14320
1987	6517	7282	-	-	1979	15778
1988	5865	7985	-	-	1605	15455
1989	6878	7263	-	-	2376	16517
1990	7802	7222	25	-	3550	18599
1991	10017	8102	109	-	2725	20953
1992	9516	8726	425	-	4595	23262
1993	8758	9114	473	-	6748	25093
1994	9633	9639	616	-	7612	27500
1995	9687	10842	552	-	8449	29530
1996	6662	15103	540	-	7814	30119
1997	7970	16720	627	505	7308	33130
1998	7245	19019	1249	2055	7321	36889
1999	7189	19834	1799	2820	6921	38563
2000	8132	21499	2006	3217	7897	42751
2001	7232	21934	1978	3869	7831	42844
2002	5757	22245	1951	6514	10484	46951
2003	3337	23033	2030	8169	11369	47937
2004	2941	20401	2109	8636	13356	47444
2005	5267	21145	1908	8280	14522	51123
2006	7873	18718	1753	7730	16501	52575
2007	9247	19994	1445	7897	19487	58070
2008	9510	21452	1101	9360	19822	61245
2009	7703	23294	1441	9633	25316	67387
2010	5450	24101	2087	20122	22851	74612
2011	7718	26846	1681	21534	19986	77764
2012	6376	32893	1448	19490	24953	85160
2013	3207	34730	1140	13018	30104	82198
2014	7143	31706	1016	11205	37120	88191
2015*	3177	16285	467	6145	14553	40627
2016	2441	22044	682	9919	15301	50388
2017	2313	24729	674	12913	14601	55240
2018	2681	20562	1165	23874	10536	58818
2019	2680	22361	1091	28992	8018	63144
2020	3530	22470	981	21242	14698	62921
2021	3822	16430	1226	29109	12483	63070
2022	3698	22010	953	30110	12202	68973



* Figures indicate for residual AP

3529.6

7. TRANSMISSION & DISTRIBUTION

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

Sl.No	NAME OF THE SS/ DISTRICT	VOLTAGE in KV	TR. CAPACITY (NO. X MVA)	TOTAL MVA	Date of Commissioning
400 KV SUBSTATIONS					
1	NARNOOR (Kurnool)	400/220	2 x 315	630.00	06-03-2001
2	KALPAKA (Vizag)	400/220	3 x 315	945.00	27-01-2002
3	VEMAGIRI (East Godavari)	400/220	3X315+1X500	1445.00	27-09-2005
4	MANUBOLU(Nellore)	400/220	3 x 315	945.00	18-12-2005
		220/132	3X100	300.00	24-10-2009
5	CHITTOOR	400/220	3 x 315	945.00	17-2-2006
6	SATTENAPALLY (Guntur)	400/220	3x315	945.00	12-02-2014
7	JAMMALAMADUGU(Kadapa)	400/220	2x315	630.00	Bus charged on 29-06-2016 &ICT charged on 12-12-2016 &ICT -2 charged on 06/04/2017
		220/132	1 x 160	160.00	
8	URAVAKONDA (Ananthapur)	400/220	2x315 +2x500	1630.00	ICT I:15-07-2016 500MVA charged on 26-05-2017 ICT II:26/07/2016
9	KAMAVARAPUKOTA (WG Dt)	400/220	2 X 315	630.00	Bus charged on 25-01-2017 ICI I:28-02-2017 ICT II:17-03-2017
10	GHANI (Kurnool Dt)	400/220	3 X 500	1500.00	Bus Charged on 01-02-2017 ICT I:14-02-2017
11	MARADAM(Garividi) (Vizianagaram Dt)	400/220	2 x 315+500	1130.00	SS charged on 15-03-2018
12	KALIKIRI(Chittoor)	400/220	2x315	630.00	SS charged on 31-03-2018
13	PODILI(Prakasam)	400/220	3x315	945.00	SS charged on 28-10-2018
14	HINDUPUR(Ananthapur)	400/220	2x315	630.00	SS charged on 10-10-2018
15	THALARICHERUVU(Ananthapur)	400/220	3x315	945.00	SS charged on 17-12-2018
16	RACHGUNNERI	400/220	2x315+1x160+1x100	890.00	SS charged on 15-09-2020
			Total MVA	15875.00	
220 KV SUBSTATIONS					
SRIKAKULAM					
1	TEKKALI	220/132	3x100	300.00	31-12-2007
		132/33	2x31.5	63.00	28-12-1983
2	PYDIBHIMAVARAM	220/132	1x100	100.00	17.05.2021
VIZIANAGARAM					
3	1.GARIVIDI	220/132	1x160+2 x 100	360.00	5-3-1992
		132/33	2x31.5	63.00	
4	2.APPAYYADORAPALEM Swtn.Station	**	**	0.00	15-10-2015
5	3.BOBBI Growth Center	220/132	3x100	300.00	13-11-2015
		132/33	1x31.5+1x16	47.50	21.07.2021
VISAKHAPATNAM					
6	1.GAJUWAKA	220/132	2 X 160+1x100	420.00	26-07-1968
		132/33	2 X50	100.00	
7	2.VISAKHAPATNAM	220	SW. STN.	0.00	20-06-1991
8	3.PENDURTHY	220/132	2x160+1 x 100	420.00	30-03-1993
		132/33	2x31.5	63.00	05.06.1993
9	4. DAIRY FARM	220/132	2X100	200.00	18-11-2002
		132/33	3x50	150.00	
10	5. PARWADA	220/132	3X100	300.00	29.03.2004
		132/33	1x80+3x50	230.00	29.03.2004

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

Sl.No	NAME OF THE SS/ DISTRICT	VOLTAGE in KV	TR. CAPACITY (NO. X MVA)	TOTAL MVA	Date of Commissioning
11	6.BRANDIX (Achutapuram)	220/132	3X100	300.00	21-11-2007
		132/33	2x50+1x16	116.00	19-06-2008
12	7.GANGAVARAM(PORT)	220/33	2 x 31.5	63.00	11-12-2008
		220/132	2x100	200.00	21-03-2016
		132/33	1x31.5+1x25	56.50	23-01-2018
13	8.ANRAK	220/132	SWS	0.00	5-2-2012
14	9.SIMHACHALAM	220/132	2x100	200.00	18.02.2021
EAST GODAVARI					
15	1.BOMMURU	220/132	2x160+1 X 100	420.00	14-08-1976
		132/33	2X50+2X25	150.00	
16	2. KAKINADA	220/132	1x160+2x100	360.00	25-09-1997
		132/33	1x80+1x50	130.00	
17	3.SAMARLAKOTA	220/132	3x100	300.00	29-09-2001 31-3-2008
18	4.RAMPACHODAVARAM	220/33	1X50+1x31.5	81.50	29-05-2003
19	5.BAVOJIPETA(KORUKONDA)	220 KV	1x50	50.00	17-11-2017
20	6.RAMAVARAM LIS	220/11	2x50	100.00	17-11-2017
	RAMAVARAM	220/132	2x100	200.00	17-05-2020/22-03-2021
		132/33	2x31.5	63.00	18-05-2020/22-03-2021
21	7.PURSHOTHAPATNAM	220/33	1x50	50.00	17-12-2017
WEST GODAVARI					
22	1.BHIMADOLE	220/132	1 X 100+2x160	420.00	13-01-1990
		132/33	1x80+2x50	180.00	
23	2.NIDADAVOLU	220/132	2 X 100+1x160	360.00	07-03-1999
24	3.BHIMAVARAM (UNDI)	220/132	2X160+1x100	420.00	02-02-2007
		132/33	2x50+2x31.5	163.00	
25	4.KAMAVARAPUKOTA	220/132	2x160+2x100	520.00	28-03-2007
26	6.PALLANTLA	220/132	1x100	100.00	SS charged on 30-10-2015 & PTRs charged on 01.03.2021
		132/33	2x31.5	63.00	
27	7.DUVVA	200/132/33	2x100	200.00	27-05-2018
		132/33	2x31.5	63.00	
28	8.AKIVEEDU	220/33	1x80	80.00	28.05.2021
KRISHNA					
29	1.GUNADALA (VJW)	220/132	2 X 100 +1x160	360.00	1970-1971
		132/ 33	1x80+2x 50	180.00	
30	2.KONDAPALLY (VJW)	220/132	1 X 100 +2x160	420.00	30-09-1989
		132/ 33	2x31.5+1x50	113.00	27-04-2013
31	3.NUNNA	220/132	2X100	200.00	20-01-1992/ 29-03-2010
		132/ 33	2x31.5+1x50	113.00	13-04-2018
32	4.CHILLAKALLU	220/132	3 X 100	300.00	12-03-1997
		132/33	2x31.5+1x10/16	79.00	15-02-2010
33	5. GUDIVADA (KRISHNA)	220/132	2 X160+1X100 MVA	420.00	22-10-2004
		132/33	3X50MVA	150.00	29-03-2006
34	6.NUZVIDU	220/132	2x100+1X160	360.00	20-09-2018
		132/33	4x50	200.00	29.08.1978
35	7.Tiruvuru	220/132KV	1 x 31.5MVA	31.50	02.12.2021
GUNTUR					
36	1.GUNTUR (TADIKONDA)	220/132	1x160+3 X 100	460.00	31-03-1992
		132/33	3x50	150.00	
37	2.TALLAPALLI	220	SW. STN.	0.00	17-07-1985
38	3.RENTACHINTALA	220/132	3X100	300.00	24-11-2008
		132/33	2x16 + 1 x 15	47.00	22-12-2017
39	4.NARASARAOPET	220/132	3X100	300.00	03-11-2009/ 25-01-2010
		132/33	3X31.5	94.50	02-02-2003
40	5.PRATHIPADU	220/132	1x160+2x100	360.00	22-04-2019

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

SI.No	NAME OF THE SS/ DISTRICT	VOLTAGE in KV	TR. CAPACITY (NO. X MVA)	TOTAL MVA	Date of Commissioning
PRAKASHAM					
41	1.ONGOLE	220/132	2x160+1x100	420.00	21-8-1980
		132/33	3x50	150.00	17-7-2009
42	2.PODILI	220/33	1x31.5+1x50	81.50	30-03-1994 (Sw.St)/ 24-10-2005(SS)
		220/132	2x100	200.00	22-07-2014
43	3.MARKAPUR	220/132	3 X 100	300.00	26-08-2001
		132/33	2x31.5	63.00	6-1-2006
44	4.PARCHUR	220/132	1x160+2x100	360.00	17-05-2010
		132/33	1x31.5+1X16	47.50	23-08-1999
45	5. KANDUKURU	220/132	2x100	200.00	30-06-2018
NELLORE					
46	1.NELLORE	220/132	3x160	480.00	11-12-1976
		132/ 33	3x50	150.00	
47	2.SULLURPET	220/132	3 X 100	300.00	01-05-1982
		132/ 33	2 x 50	100.00	
48	3. RACHARLA PADU	220/132	2x100	200.00	06-06-2018
		132/33	2x31.5	63.00	
49	4. ATMAKUR	220/132	2x100	200.00	22-02-2019
50	5.NAIDUPET	220/132	2x100	200.00	19.08.2020
		132/33	2x80+1x50	210.00	19.08.2020
CHITTOOR					
51	1.CHITTOOR	220/132	1x160 + 2 X100	360.00	21-06-1970
		132/33	3 x 50	150.00	
52	2.KALIKIRI	220/132	3 X100	300.00	14-08-1991
		132/33	2 x 31.5+1x50	113.00	
53	3.RENIGUNTA	220/132	1x160 + 2 X100	360.00	25-11-1995
		132/33	3x31.5	94.50	
54	4.PALAMANERU	220/132	1x100+1x160	260.00	22-10-2011
		132/33	1x80+1x50	130.00	22-10-2011
55	5.NAGIRI	220/132	3x100	363.00	15-10-2012
		132/33	2x31.5		(30-3-1994)
56	6.THIMMAPURAM LIS	220/132	1X100	100.00	16-12-2015
		132/33	2x31.5	63.00	
57	7.KUPPAM	220/132	2 X 100	200.00	30-03-2017
58	8.MADANAPALLI (LIS)	220/132	2 X 100	200.00	11-12-2017
ANANTHAPUR					
59	1.GOOTY	220/132	2x160	320.00	20-08-1975
		132/33	2x31.5	63.00	
60	2.GOOTY	220	SW. STN	0.00	20-05-1991
61	3.ANANTAPUR	220/132	3x100	300.00	31-03-1995
		132/33	1x80+2x50+1x31.5	211.50	
62	4.HINDUPUR	220/132	1x160+2x100	360.00	29-03-1993
		132/33	1x80+2x50	180.00	
63	5.RAMAGIRI	220/33	1X50+1x31.5	81.50	17-10-1995
64	6.TADIPATHRI	220/132	2x100	200.00	29-7-2002
		132/33	2x50+1x31.5	131.50	
65	7.KALYANDURG	220/132	3x100	300.00	21-07-2007
		132/33	3X50	150.00	29-12-1986
66	8.BOYAREDDYPALLI	220	SW.STN	0.00	21-01-2008
67	9.REGULAPADU(LIS)	220/11	3X25	75.00	07-06-2011
68	10.RTSS (Gooty)	220/132	SW. STN	0.00	30-3-2012
69	11.YELLANUR LIS	220/11	2x25	50.00	27-3-2014
70	12.VAJRAKARUR	220/132	1x100	100.00	14-07-2016
71	13.BOKSAMPALLI	220/132	1x100	100.00	11-04-2016
		132/33	3x31.5	94.50	
72	14.SUBBARAYUNIPALLI	220/33	2X50	100.00	11-05-2016
73	15.GOLLAPURAM	220/132	2x100	200.00	42730
		132/33	1x50+1x31.5	81.50	
74	16.BORAMPALLI	220/132	1X100	100.00	01-06-2017
75	17. SHAPURAM	220	SWS	0.00	5-5-2012
76	18.GADDAMVARIPALLI	220/11	2x25	50.00	4-2-2017
77	19.GUDDUMARRI LIS	220/11	2x50	100.00	2-5-2017
78	20. AMMAVARIPALLI	220/33	1x50	50.00	7-24-2019

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

Sl.No	NAME OF THE SS/ DISTRICT	VOLTAGE in KV	TR. CAPACITY (NO. X MVA)	TOTAL MVA	Date of Commissioning
KADAPA					
79	1.KADAPA	220/132	1X160+2X100	360.00	24-05-1970
		132/33	2x50	100.00	
80	2.CHINAKAMPALLY	220/132	1x100 +1x 160	260.00	19-01-1986
81	3.MYDUKUR	220/33	1X50+2x31.5	113.00	31-03-1992
82	4.RAJAMPETA	220/132	2x100	200.00	28-03-1993
		220/33	0	0.00	
		132/33	2X31.5	63.00	
83	5.YERRAGUNTALA	220/132	3 X 100	300.00	24-10-1993
		132/33	2x31.5+1x16	79.00	
84	6.KODURU	220/33	3 X 31.5	94.50	15-06-1997
85	7.PULIVENDULA	220/132	2X100	200.00	19-11-2009
		132/33	2x16	32.00	09-03-2011
86	8.THIMMAPURAM	220/11	2x25	50.00	07-03-2012
87	9.KONDAPURAM	220/132	2x100	200.00	13-08-2012
		132/33	2x31.5	63.00	
88	10.PORUMAMAILLA	220/132	2X100	200.00	31-03-2017
89	11.CHAKRAYAPET	220/132	2x100	200.00	19-05-2018
		132/33	1x31.5+1x16	47.50	
90	12.TIRUMALAYAPALLI	220/132	2x160	320.00	22-01-2020
KURNOOL					
91	1.A.P CARBIDES	220/132	1X160+2X100	360.00	19-03-1989
		132/33	2X31.5	63.00	
92	2.SOMAJULAPALLI	220	Sw.Stn	0.00	28-03-1995
93	3.NANDYALA	220/132	3 X 100	300.00	31-03-1995
		132/33	3X50	150.00	
94	4.BRAHMANAKOTKUR(LIS)	220/11	3x25	75.00	29-10-2010
95	5.MALYALE(LIS)	220/11	4X31.5	126.00	06-01-2011
96	6.DHONE(LIS)	220	SW.STN	0.00	28-07-2011
97	7. BILAKALAGUDUR	220	SW.STN	0.00	28.3.2017
98	8.KHAMBALPADU(LIS)	220/11	3X25	75.00	30-08-2011
99	9.LAKKASAGARAM(LIS)	220/11	3X25	75.00	12-10-2011
100	10.KRISHNAGIRI(LIS)	220/11	3X25	75.00	22-10-2011
		220/33	1x50	50.00	
101	11.SETTIPALLY(LIS)	220/11	3X25	75.00	18-11-2011
102	12.NANSURULLA(LIS)	220/11	3X25	75.00	18-11-2011
		220/33	1x80	80.00	03-12-2011
103	13.MACHUMARRI(LIS)	220/11	1X25+2X31.5	88.00	29-04-2017
*	Srisailam	220KV	100	100.00	1 No. 100 MVA,220/132 KV PTR at 220 KV Srisailam being

Total MVA 27629.50

7.00 COMMISSIONING DATES OF E.H.T. SUB STATIONS					
Sl.No	NAME OF THE SS/ DISTRICT	VOLTAGE in KV	TR. CAPACITY (NO. X MVA)	TOTAL MVA	COMMISSIONING/ COMPLETION
132kV Sub-Stations					
	SRIKAKULAM				
1	1.CHILAKAPALEM (Srikakulam)	132/33	1x50+1x31.5	81.50	8-12-1989
2	2.PALASA	132/33	1x31.5+1 x 16	47.50	30-09-1993
3	3.PALAKONDA	132/33	2X31.5	63.00	31-03-1994
4	4.ICHAPURAM	132/33	2 x 16	32.00	31.12.2005
5	5.PATHAPATNAM	132/33	2 x 16	32.00	25-10-2006
6	6.PYDIBHEMAVARAM	132/33	2x50	100.00	18-06-2010
7	7.NARASANNAPET	132/33	2X31.5	63.00	29-6-2012
8	8.RAJAM	132/33	2X16	32.00	02-07-2016
9	9.SRIKAKULAM TOWN	132/33	1X31.5+1X16	47.50	24-11-2017
10	10.PONDUR	132/33	SWS	0.00	10-10-2001
	VIZIANAGARAM				
11	1. T.B. VARA	132/33	2x16	32.00	23-11-1981
12	2. BOBBILI	132/33	1x50+1x31.5	81.50	27-03-1987
13	3. VIZIANAGARAM (Vontithadi)	132/33	2x50	100.00	31-03-1992
14	4.KOTHAVALASA	132/33	1x31.5+1x16	47.50	29-08-1999
15	5. GOLD STAR Switching Station	132	SWS	0.00	16-6-1994
16	6. PARVATHIPURAM	132/33	2x31.5	63.00	29-12-2017
17	7. GARBHAM	132/33	1x31.5+1x15	46.50	31-03-2018
18	8.SALUR	132/33	2x16	32.00	16-6-1994
19	9. MOR	132/33		0.00	08-10-2018
20	10. G.Chodavaram	132/33	2x31.5	63.00	07-08.2020
	VISAKHAPATNAM				
21	1. Simhachalam	132/33	3x31.5+1x16	110.50	05.08.1955
22	2.COMMON POINT	132/33	1 x 50+1 x 31.5	81.50	7-8-1987
23	3.KORUPROLU	132/33	2x50	100.00	19-10-1986
24	4.ARAKU	132/33	1 x15+1x16	31.00	9-12-1982
25	5.VIZAG PORT	132/33	2 x 31.5	63.00	25-11-1990
26	6.NAWAL WHARF	132/33	2 x 16	32.00	29-01-1988
27	7.KASIMKOTA	132/33	3 x 31.5	94.50	27-10-1993
28	8.PAYAKARAOPETA	132/33	1x50+x31.5	81.50	14-10-1992
29	9.NAKKAVANIPALEM	132/33	1x80+1 x 50	130.00	30-12-1993
30	10.ANANDAPURAM	132/33	1x 16+2x31.5	79.00	12-6-2002
31	11. DGNP	132	Sw.St.	Sw.St.	19-12-2003
32	12. VSEZ	132/33	2x31.5	63.00	03-06-2010
33	13.NARSIPATNAM	132/33	1x31.5+1x16+1x15	62.50	30-10-2015
34	14.NARASINGABILLI	132/33	2 X 16	32.00	30-06-2016
35	15.MALKAPURAM	132/33	1 X 16+1x31.5	47.50	19-10-2016
36	16.CHODAVARAM	132/33	1 X 16+1x31.5	47.50	31-03-2018
37	17.PEDA WALTAIR (Hybrid GIS)	132/33	2x31.5	63.00	31-07-2018
38	18. PADERU	132/33	1x16+1x15	31.00	5-10-2019
	EAST GODAVARI				
39	1.PEDDAPURAM	132/33	3 x 31.5	94.50	1965-1966
40	2.RAMACHANDRAPURAM	132/33	1x50+2 x 31.5	113.00	18-09-1981
41	3.AMALAPURAM	132/33	1x50+2 x 31.5	113.00	11-7-1988
42	4.A.P PAPER MILLS (RJY) (Mallavapet)	132/33	2x50+1x31.5	131.50	1-1-1989
43	5.PRATHIPADU	132/33	2x31.5	63.00	31-03-1993
		132/11	1x16	16.00	

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
44	6.RAZOLE	132/33	1x50+1x31.5	81.50	29-01-2001
45	7.RAJAGANARAM	132/33	1x50+1x31.5	81.50	25-09-2009
46	8.EDITHA	132/33	1x50+1x31.5	81.50	30-07-2010
47	9. PITAPURAM	132/33	1x50+1x31.5	81.50	31-08-2013
48	10.KOTHAPETA	132/33	1x50+1x31.5	81.50	20-09-2013
49	11.PRATAPNAGAR	132/33	2X31.5+1X50	113.00	21-11-2013
50	12.Konda Guntur (RVK Switching Station)	132/33	2X31.5	63.00	07-01-2015
51	13.Silk Road at Kakinada (132KV Silk Road Sugars Switching Station)	132/33	2X25	50.00	9-12-2015 2nd PTR Charged on 03-11-2016
52	14.BICCAVOLU	132/33	1 X 31.5+1X25+1X16	72.50	20-11-2016
53	15.GOLLAPALEM	132/33	2X31.5	63.00	28-11-2019
54	16.MOMMIDIVARAM	132/33	2X31.5	63.00	02-07-2020
	WEST GODAVARI				
55	1.KAMAVARAPU KOTA	132/33	2x50+2x31.5	163.00	30-01-1981
56	2.BHIMAVARAM	132/33	3 x 50	150.00	11-1986
57	3.KOVVURU	132/33	2X31.5	63.00	31-12-1990
58	4.TANUKU	132/33	1 x 31.5+1 x 25+1x50	106.50	13-10-1992
59	5.JANGAREDDYGUDEM	132/33	3x50	150.00	31-01-1993
60	6.PEDATADEPALLI	132/33	3x50	150.00	29-03-1993
61	7.ELURU	132/33	1x50+1x80	130.00	08-12-1992
62	8.NARSAPURAM	132/33	1x50+1x80	130.00	29-09-1999
63	9.SAGGONDA	132/33	2x31.5+1 x 16	79.00	19-03-2004
64	10. CHINTALAPUDI	132/33	1x50+1x80	130.00	08-03-2005
65	11.NALLAJERLA	132/33	2x50	100.00	29-12-2005
66	12.PEDAVEGI	132/33	1x50+2x31.5	113.00	10-03-2006
67	13.NIDADAVOLU	132/33	3X50	150.00	30-11-1967
68	14. PENUGONDA	132/33	2X31.5	63.00	26-06-2014
69	15.YERNAGUDEM	132/33	2X31.5	63.00	28-12-2017
70	16.DWARAKA TIRUMALA	132/33	1x31.5	31.50	31-12-2021
	KRISHNA				
71	1.KANUMOLU	132/33	1 x 31.5+2x50	131.50	05-03-1978
72	2.PAMARRU	132/33	2x50	100.00	05-04-1978
73	3.MACHILIPATNAM	132/33	2x50	100.00	17-12-1993
74	4.VIJAYAWADA (VJW)	132/33	3x50	150.00	28-01-1994
75	5.GANGOOR	132/33	1x50+1x31.5	81.50	30-12-2000
76	6. BHAVANIPURAM	132/33	1x50+1x31.5	81.50	31-07-2016
77	7. KHAMBAMPADU	132/33	2x31.5+ 1x50	113.00	08-07-2004
78	8.NANDIGAMA	132/33	1x50+1x31.5	81.50	09-08-2006
79	9.AVANIGADDA	132/33	2 x 31.5	63.00	31-03-2010
80	10.AUTO NAGAR	132/33	2x50	100.00	21-05-2013
81	11.CHIGURUKOTA	132/33	1X31.5+2X50	131.50	10-04-2016
82	12.RANGANNAGUDEM	132/33	2 x 31.5	63.00	21-11-2016
83	13.NARSAPURAM	132/33	1 x 31.5 + 1 x 10/16	47.50	23.08.2021
	GUNTUR				
84	1.GUNTUR	132/33	2 x 50+1x80	180.00	28-02-1977
85	2.TADEPALLI	132/33	1x50+2x31.5	113.00	31-.03-1970
86	3.BAPATLA	132/33	2x31.5+1 x 16	79.00	29-11-1978
87	4.MACHERLA	132/33	2x50+1x31.5	131.50	29-12-1975
88	5.PIDUGURALLA	132/33	1x50+1X31.5	81.50	30-03-1984
89	6.CHILAKALURIPETA	132/33	3x50	150.00	27-12-1987
90	7.TENALI	132/33	2x50+1X31.5	131.50	20-08-1993
91	8.REPALLE	132/33	1x50+1x31.5	81.50	30-12-1993

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
92	9.VINUKONDA	132/33	2x31.5+1x50	113.00	30-08-1999
93	10.NALLAPADU	132/33	3X31.5	94.50	17-08-2008
94	11.MARRIPALEM	132/33	3X31.5	94.50	24-01-2009
95	12.TANGEDA	132/33	2X16	32.00	26-08-2010 (28-12-2012)
96	13.KARAMPUDI	132/33	2X31.5	63.00	19-07-2010
97	14. RENTAPALLA	132/33	2x31.5+1x16	79.00	27-06-2013
98	15.GAJJANAGUNDLA	132/33	3X31.5	94.50	31-07-2013
99	16.CHAKRAYAPALEM	132/33	1X16+1x31.5	47.50	28-03-2016
100	17.YADAVALLI	132/33	1x31.5+1X15	46.50	29-03-2018
101	18. PONNURU	132/33	2x31.5	63.00	23-07-2018
102	19. UPPALAPADU (VELDURTHY)	132/33	2X10/16	32.00	28-07-2018
103	20.AIIMS, MANGALAGIRI	132/33	1x31.5	31.50	13-11-2020
	PRAKASHAM				
104	1.ONGOLE	132/33	1X16+1x31.5	47.50	1963-1964
105	2.CUMBUM	132/33	1 X 16+2x31.5	79.00	27-02-1974
106	3.KANIGIRI	132/33	1X31.5+1x50	81.50	25-07-1990
107	4.CHIRALA	132/33	2 X31.5+1X16	79.00	13-06-1993
108	5.ERRAGONDAPALEM	132/33	2x50	100.00	31-03-1994
109	6. KANDUKUR	132/33	1x31.5+1 X 50	81.50	29-05-1996
110	7.GIDDALUR	132/33	2x31.5	63.00	13-08-1997
111	8.MEDARAMETLA	132/33	2x31.5 + 1 x 50	113.00	19-03-2001
112	9.PEDDADORNALA	132/33	2x16	32.00	31-03-2008
113	10.INKOLLU	132/33	2 X 10/16	32.00	31-03-2008 Trs charged on 26-11-2016
114	11.MARTUR	132/33	1x50+1x31.5	81.50	02-10-2008
115	12.PAMURU	132/33	1X31.5+1x16	47.50	18-07-2010
116	13.TANGUTURU	132/33	1x31.5+1x16	47.50	31-3-2012
117	14.ADDANKI	132/33	2x31.5+1X16	79.00	11-01-2014
118	15.LINGASAMUDRAM	132/33	2x16	32.00	5-09-2014
119	16.DARSI	132/33	2x31.5 + 1 x 50	113.00	24-09-2014
120	17.KESINENIPALLY	132/33	2X31.5+1X16	79.00	23-06-2015 08-10-2015
121	18.ANUMALAPALLI	132/33	1x31.5	31.50	27-11-2019
	NELLORE				
122	1.NELLORE SOUTH (NAVLAC GARDEN)	132/33	3x31.5+1x50	144.50	23-11-1981
123	2.VENKATAGIRI	132/33	1x31.5+1x50	81.50	24-09-1992
124	3.SRIHARIKOTA	132/11	2 X 16	32.00	18-11-1978
125	4.GUDUR	132/33-11	1 X 16+1x25+2X31.5	104.00	10-7-1980
126	5.ATMAKUR	132/33	2x50	100.00	19-02-1988
127	6.KAVALI	132/33	1x31.5+ 2x50	131.50	22-12-1980
128	7.CHENDODU	132/33	2x50	100.00	11-12-1991
129	8.ALLURU	132/33	1x50+1x31.5	81.50	16-03-2001
130	9.UDAYAGIRI	132/33	2 X 16+1x50	82.00	07-12-2001
131	10. ADURUPALLI	132/33	3 X 16	48.00	9-10-2004
132	11. BRAHMADEVAM	132/33	2x31.5+1x50	113.00	31-3-2005
133	12.NAIDUPET	132/33	1x50+1X31.5	81.50	03-08-2005
134	13.NTS KOVVUR	132/33	3x31.5	94.50	01-01-2006
135	14.MENAKURU	132/33	1x50+1X31.5	81.50	21-12-2012
136	15.RAPUR	132/33	2X16	32.00	6-03-2018
137	16.VINZAMUR	132/33	1x31.5+1x15	46.50	22-02-2019
138	17. ANANTHASAGARAM	132/33	1 x 10/16 + 1 x 25	41.00	22.04.2021
139	18. KALLURIPALLI	132/33	1 x 31.5	31.50	06.08.2021
140	19. GOTTIPROLU	132/33	2 x 31.5	63.00	03.09.2021
141	20. DAGADARTHI	132/33	1 x 31.5	31.50	03.09.2021

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
	CHITTOOR				
142	1.PUTTUR	132/33	1x50+1X31.5	81.50	12-6-1982
143	2.TIRUPATHI	132/33	2x50	100.00	12-11-1986
144	3.PAKALA	132/33	1x31.5+1x50	81.50	4-2-1990
145	4.SRIKALAHASTI	132/33	1x50+2x31.5	113.00	31-03-1987
146	5.MADANAPALLY	132/33	2x50	100.00	10-8-1986
147	6.SHANTIPURAM	132/33	1x80+1x50	130.00	04-01-1993
148	7.KOTHAPALLI MITTA	132/33	1x80+1x50	130.00	16-06-1997
149	8.CHANDRAGIRI	132/33	1x31.5+1x16	47.50	8-11-1998
150	9.BURAKAYALAKOTA	132/33	1x50+1 X 31.5	81.50	27-03-1999
151	10.ROMPICHERLA	132/33	1x50+1 X 31.5	81.50	06-07-1999
152	11. KUPPAM	132/33	2x50	100.00	24-08-2000
153	12.PUNGANURU	132/33	2x50	100.00	19-03-2001
154	13.GURRAMKONDA	132/33	1x50+1x31.5	81.50	26-11-2005
155	14.NAGALAPURAM	132/33	2x31.5	63.00	29.3.2007(TC)
156	15.IRALA	132/33	1x31.5+1X16	47.50	02-12-2009
157	16.SOMALA	132/33	2x31.5	63.00	31-3-2012
158	17.TIRUMALA	132/33	2X16	32.00	31-3-2012
159	18.CHERVI	132/33	1x50+1X31.5	81.50	16-09-2015
160	19.SIVARAMPURAM LIS SS	132/33	2X31.5	63.00	03-04-2016
161	20.B.KOTHAKOTA	132/33	2X16	32.00	26-03-2016
162	21.ALIPIRI	132/33	1x50+1X31.5	81.50	21-09-2016
163	22.BANDLAVANDLAPALLI(LIS SS)	132/33	2X10/16	32.00	27-10-2016
164	23.NOONEGUNDLAPALLI	132/33	2X31.5	63.00	20-07-2017
165	24.RAMASAMUDRAM	132/33	1x31.5+1x16	47.50	25-06-2018 (2nd 16 MVA)
166	25.GREENPLY	132/33	SWS		23-01-2008
167	26.KOTHAPALLY	132/33	2X31.5	63.00	20-08-2019
168	27.YERPEU	132/33	2X31.5	63.00	09-09-2019
169	28.PACHIKAPALEM	132/33	2X31.5	63.00	05.09.2020
170	29.PENUMURU	132/33	2X31.5	63.00	07.10.2020
171	30. KALCHERLA (LIS)	132/33	2x16	32.00	30.07.2018
	ANANTHAPUR				
172	1.DHARMAVARAM	132/33	3x31.5+1X16	110.50	10-11-1970
173	2.JAMMALABANDA	132/33	1x31.5+1x50	81.50	30-09-1994
174	3.PUTTAPARTHY	132/33	2x50	100.00	22-11-1993
175	4.KADIRI	132/33	3x50	150.00	02-07-1984
176	5.GUNTAKAL	132/33	2x31.5	63.00	31-03-1988
177	6.RAYADURG	132/33	2x50	100.00	30-07-1998
178	7.KOMATIKUNTA	132/33	1x31.5+1x50	81.50	26-07-2003
179	8.URAVAKONDA	132/33	2x31.5	63.00	29-11-2007
180	9.THUMKUNTA	132/33	3X50	150.00	26-12-2010
181	10.ANKAMPALLY(LIS)	132/11	3X16	48.00	16-03-2011
182	11.KOMALI (Sw Stn)	132/33	0	0.00	12-07-2012
183	12.THANAKALLU	132/33	1x31.5+3X16	79.50	21-12-2013
184	13.OBULAPURAM	132/33	1X31.5+1x16	47.50	12-03-2015
185	14. NAGALAPURAM	132	1x31.5	31.50	12-01-2016
186	15. GUDIPADU	132/33	SWS	0.00	02-11-2017
187	16. BEECHGANIPALLI	132/33		0.00	02-11-2017
188	17. LEPAKSHI	132/33	2x16	32.00	27-11-2017
189	18. MADAKASIRA LIS	132/33	2x16	32.00	28-12-2017
190	19. TATICHERLA	132/33	2x31.5	63.00	05-02-2018
191	20. TADIMARRI	132/33	1x31.5+1X16	47.50	30-03-2018
192	21. AMARAPURAM	132/33	2x16	32.00	20-09-2018
193	22.PALASAMUDRAM	132/33	1x50	50.00	26.07.2021
	Humpi	132/66KV	2x40	80.00	01-06-1965, 132/66 KV Humpi switch yard in the premises of TB board.

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
	KADAPA				
194	1.BADWEL	132/33	1 x 31.5+2x16	63.50	10-07-1993
195	2.PULIVENDULA	132/33	1x 31.5+1x50	81.50	29-12-1986
196	3.PRODDUTUR	132/33	2 x 31.5	63.00	17-09-1989
197	4.RAYACHOTI	132/33	1x 31.5+1x50	81.50	31-03-1992
198	5.VONTIMITTA	132/33	2 x 16	32.00	05-07-2000
199	6.BALAPANUR	132/33	2x31.5	63.00	26-10-2000
200	7.THIMMAYAGARIPALLI	132/33	3 x 16	48.00	12-04-2001
201	8. JAMMALAMADUGU	132/33	2x31.5	63.00	28-03-2005
202	9. VEMPALLI	132/33	2x31.5+1x16	79.00	31-03-2005
203	10.PORUMAMILLA	132/33	2x31.5	63.00	22-10-2005
204	11.MOOLAVANKA	132/33	2 x 31.5+1 x 16	79.00	20-02-2009
205	12.SAMBEPALLE	132/33	3X16	48.00	04-06-2011
206	13.RTSS KADAPA		SWT.STN	0.00	12-11-2010
207	14.RTSS MUDDANUR		SWT.STN	0.00	09-02-2011
208	15.GANDIKOTA (LIS)	132/11	2x25	50.00	24-11-2011
209	16.LINGALA	132/33	3x16	48.00	30-1-2012
210	17.DUVVUR	132/33	1 x 31.5+1 x 16	47.50	26-08-2015
211	18.KALASAPADU	132/33	1 x 31.5+1 x 16	47.50	13-03-2019
212	19.BRAHMAM GARI MATAM	132/33	1x31.5	31.50	29-03-2019
213	20.BHARATHI CENMENTS LIMITED	132/33	SWS	0.00	15-05-2009
214	21.NALLACHERUVU	132/33	2X31.5	63.00	08-07-2021
	KURNOOL				
215	1.KURNOOL	132/33	2x31.5+1x16	79.00	18-04-1970
216	2.CEMENT NAGAR	132/33	2 x 31.5	63.00	22-05-1981
217	3.ALLAGADDA	132/33	2x50	100.00	29-12-1994
218	4.ADONI	132/33	2 x 31.5+1x16	79.00	21-11-1978
219	5.DHONE	132/33	2 x 31.5	63.00	24-06-1993
220	6.ATMAKUR	132/33	2 x 31.5	63.00	13-03-1994
221	7.YEMMIGANUR	132/33	2x50	100.00	24-05-1996
222	8.PATHIKONDA	132/33	2 x 31.5	63.00	30-12-1998
223	9. GUDUR	132/33	2 x 31.5	63.00	22-03-2004
224	10.AKKIREDDYPALLI	132/33	2x16	32.00	29-11-2005
225	11.BANAGANAPALLI	132/33	2 x 16+1x31.5	63.50	31-03-2006
226	12.NANDIKOTKUR	132/33	2 x 31.5	63.00	26-12-2008
227	13.SRISAILAM	132/33	2X16	32.00	30-10-2009
228	14.RACHARLA	132/33	2 x 31.5	63.00	31-3-2010
229	15. MANTRALAYAM (Madhavaram)	132/33	2 x 31.5	63.00	07-08-2017
230	16. MUDIGEDU	132/33	1x31.5+1x16	47.50	29-03-2014
231	17. ALURU	132/33	3x16	48.00	25-01-2016
232	18.RUDRAVARAM	132/33	1x31.5+1x16	47.50	18-11-2018
			Total MVA	16,717.00	

*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 2021-22

S.No	Name of the Sub-station	District	Capacity	Capacity Commissioned	Date of charging
A)	400 kV Sub - Stations				
NIL					
B)	220 KV Sub - Stations				
1	220/132kV SS Pydibhimavaram (V), Ranastalam mandal.	Srikakulam	1x100	100	17.05.2021
2	220/33kV SS Akiveedu (M)	West Godavari	1x80	80	28.05.2021
3	Erection of 220kV SS at Tiruvuru	Krishna	1x31.5	31.5	02.12.2021
Total				211.5	
	132/33kV Sub-stations				
1	Erection of 132/33kV SS at Anathasagarasm (M)	Nellore	1x25+1x16	41	22.04.2021
2	132/33 KV Substation at Nallacheruvupalli,in Vemula(M)	Y.S.R Kadapa	2x31.5	63	08.07.2021
3	132/33 KV Substation at Palasamudram (V), Gorantla Mandal.	Ananthapur	1x50	50	26.07.2021
4	Erection of 132/33kV SS at Kallurupalli (Near Golagamudi)	Nellore	1x31.5	31.5	06.08.2021
5	132/33 KV SS Narsapuram (V), Vissannapet Mandal	Krishna	1x31.5+1x16	47.5	23.08.2021
6	132KV SS Gottiprolu (V), Naidupeta Mandal	Nellore	2x31.5	63	03.09.2021
7	Erection of 132/33kV SS Dhagadarthi (M)	Nellore	1x31.5	31.5	09.11.2021
8	Erection of 132/33kV SS at Dwaraka Tirumala	West Godavari	1x31.5	31.5	31.12.2021
Total				359	

7.2 33/11 KV SUB-STATIONS COMMISSIONED DURING THE YEAR 2021-22

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	Bathuva	T&D	1x5	01.04.2021
2	Visakhapatnam	MED Tech (Indoor AMTZ)	Consumer Payment	1X8	14.04.2021
3		Sagarnagar	IPDS	2x8 MVA	31.08.2021
4		CELEST	Cost Paid	1X5 MVA	24.08.2021
5		Bheemavaram	T&D	1X5 MVA	09.11.2021
6		Finshing Touch	Cost Paid	1X5 MVA	30.12.2021
7	East Godavari	Bodaskurru	Under PMAY Scheme	1X5 MVA	01.04.2021
8		Kothuru	Under PMAY Scheme	1X5 MVA	01.04.2021
9		Uppuvari Satram	Under PMAY Scheme	1X5 MVA	05.04.2021
10		Valuthimmapuram	Under PMAY Scheme	1X5 MVA	05.04.2021
11		Gollapuntha	Under PMAY Scheme	1X5 MVA	26.04.2021
12		Santhacheruvu	Under IPDS Scheme	2x8 MVA	25.08.2021
13		Central Vegetables Market	Under IPDS Scheme	2x8 MVA	29.09.2021
14	West Godavari	Venkannacheruvu	IPDS Ph-2	2x8 MVA	30.07.2021
15		I.PANGIDI	T&D	1x5 MVA	11.08.2021
16		Palacole Tiddco	PMAY	1x8 MVA	28.08.2021
17		Bhimavaram GIS Indoor	IPDS-II	2X8 MVA	24.09.2021
CPDCL					
18	Krishna	Punnami	IPDS	2x8MVA	23.06.2021
19		Ramalingeswara Nagar	IPDS	2x8MVA	19.07.2021
20		APIIC, Mallavalli-2	tal, Amount paid by the A	2x8MVA	19.07.2021
21	Guntur	Gutlapalli	REC	1X5 MVA	28.08.2021
22		Baptistpet SS	IPDS	2X8MVA	12.18.2021
23		Nidamaru SS	IPDS	1X8MVA	12.23.2021
24		Asramam road SS	IPDS	2X8MVA	12.23.2021
25		Adavitakkellapadu	TIDCO	2X8MVA	03.01.2022
26		Yadava Donka (Nehru Nagar)	IPDS(GIS)	2X8MVA	29.11.2021
27		Teachers Colony (Kundularoad	IPDS(GIS)	2X8MVA	29.11.2021
28		Tharakarama Nagar (Vishtnupr	WB	1X8MVA	27.12.2021
29		Anupalem	T&D	1X5MVA	31.01.2022
30		Prakasam	Korrapolu	T&D	1X5 MVA
31	Millampalli		REC	1X5 MVA	01.04.2021

Sl.No	Discom/ District	Name of the 33/11 KV Sub-Station	Funding Agency	Power Transformer Capacity (in MVA)	Date of Commissioned
SPDCL					
32	Chittoor	Valligatla	REC	1X5 MVA	26.05.2021
33		Aridigunta	REC	1X5 MVA	26.05.2021
34		R.S.Peta	T & D scheme	2 x 3.15 MVA	16.06.2021
35		Vinayakasagar (Upadhaya Nag	World bank 24x7scheme	1X10 MVA	28.06.2021
36		Reddlapalli Santhipuram RESC	T & D scheme	1x5MVA	02.03.2022
37	Kadapa	Ayyavaripalli	9 Hrs.	1X5 MVA	13.08.2021
38		Saraswathi Mines	9 Hrs.	1X5 MVA	13.08.2021
39		Thernampalli	9 Hrs.	1X5 MVA	13.08.2021
40		Bondalkunta	T&D	1X5 MVA	15.09.2021

No.of 33/11KV Sub-stations commissioned during 2021-22 upto 31-03-2022 : 40 Nos.

7.3 (A) 132 kV, 30 MVAR CAPACITOR BANKS / COMMISSIONED DURING 2021-22

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

7.3 (B) 33 kV CAPACITOR BANKS COMMISSIONED DURING 2021-22

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

**7.3 -(C) 33kV SHUNT CAPACITOR BANKS COMMISSIONED
YEAR WISE 1984-85 to 2021-22**

Sl.No	Year	Capacitor Banks Commissioned Nos	Capacity MVAR
1	1984-85	28	160
2	1985-86	2	10
3	1986-87	12	60
4	1987-88	10	50
5	1988-89	2	10
6	1989-90	24	120
7	1990-91	46	230
8	1991-92	22	125
9	1992-93	37	215
10	1993-94	58	315
11	1994-95	14	75
12	1995-96	16	130
13	1996-97	21	145
14	1997-98	43	245
15	1998-99	73	420
16	1999-2K	26	140
17	2000-01	28	145
18	2001-02	6	30
19	2002-03	11	55
20	2003-04	2	10
21	2004-05	7	35
22	2005-06	2	10
23	2006-07	32	160
24	2007-08	3	15
25	2008-09	1	5
26	2009-10	0	0
27	2010-11	0	0
28	2011-12	6	30
29	2012-13	5	31.6
30	2013-14	0	0
31	2014-15*	0	0
32	2015-16	3	21.6
33	2016-17	19	144
34	2017-18	6	64.8
35	2018-19	17	122.4
36	2019-20	2	14.4
37	2020-21	2	14.4
38	2021-22	0	0

* Residual AP

7.4 AUGMENTATION OF TRANSFORMER CAPACITY DURING 2021-22						
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 SS Vemagiri.	East Godavari	3x315	3x315 +1x500	500	30.04.2021
2	2nd 315 MVA PTR at 400kV SS Hindupur	Anantapuramu	1x315	2x315	315	31.03.2022
	TOTAL				815	
AUGMENTATION OF TRANSFORMER CAPACITY AT 220 KV SUB-STATIONS						
1	220KV SS Gudiwada	Krishna	2x50	3x50	50	31.05.2021
2	220/132/33kV SS Sullurupeta	Nellore	1x31.5+1x50	2x50	18.5	18.06.2021
3	220/132/33KV Pallantla	West Godavari	1x100+1x31.5	1x100 + 2x31.5	31.5	11.08.2021
4	220/132KV Palamaneru in	Chittoor	2X50	1X50+ 1X80	30	28.08.2021
5	220KV Racherlapadu (IFFCO SEZ)	Nellore district.	2x100+1x31.5	2x100+2x31.5	31.5	29.09.2021
6	220/132/33kV SS Bhimadole	West Godavari	3x50	1x80+2x50	30	28.10.2021
7	220kV SS Rentachintala	Guntur	3x100+2x10/16	3x100+2x10/ 16 +1x10/15	15	19.11.2021
8	220kV SS Parawada	Visakhapatnam	3x50	3x50+1x80	80	22.11.2021
9	220V SS Anantapuramu	Anantapurram	3x50+1x31.5	1x80+2x50+1x31.5	30	12.03.2022
TOTAL					316.5	
AUGMENTATION OF TRANSFORMER CAPACITY AT 132 KV SUB-STATIONS						
1	132KV Sub-Station Chendodu	Nellore	1x31.5+1x50	2x50	18.5	03.04.2021
2	132/33kV SS Rompicherla	Chittoor	2x31.5	1x50+1x31.5	18.5	08.04.2021
3	132/33kV SS Kambampadu	Krishna	1x31.5+1x50	2x31.5+1x50	31.5	09.04.2021
4	132/33kV SS Chigurukota	Krishna	1x31.5+1x50	1x31.5+2x50	50	16.04.2021
5	132/33kV SS Bhimavaram	West Godavari	2x50+1x31.5	3x50	18.5	28.04.2021
6	132/33kV SS Rudravaram	Kurnool	1x10/16+1x31.5	2x31.5	15.5	06.05.2021
7	132/33kV SS Mudigedu	Kurnool	1x10/16+1x31.5	2x10/16	-15.5	12.05.2021
8	132kV SS Kavali	Nellore	1x31.5+1x50	1x31.5+2x50	50	13.05.2021
9	132KV Taticherla	Anantapur	1x16	1x16+1x31.5	31.5	12.07.2021
10	132kV SS Medarametla	Prakasam	2x31.5	2x31.5+1x50	50	30.07.2021
11	132/33kV SS Tadimarri	Ananthapuram	1x31.5	1x31.5+1x16	16	02.08.2021

7.4 AUGMENTATION OF TRANSFORMER CAPACITY DURING 2021-22						
Sl. No.	Name of the Sub-station	District	Existing (MVA)	Augmented (MVA)	Net increase Trans-former capacity (MVA)	Date of charging
12	132KV Substation Santhipuram	Chittoor	1x50	1x80	30	25.09.2021
13	132/33kV SS Pydibhimavaram	Srikakulam	1x50+1x31.5	2x50	18.5	07.10.2021
14	132/33kV SS Chintalapudi	West Godavari	2x50	1x80+1x50	30	26.10.2021
15	132kV SS Gurramkonda	Chittoor	1x31.5	1x50	18.5	10.11.2021
16	132kV SS Narasapuram	West Godavari	1x50+1x31.5	1x50+1x80	48.5	30.11.2021
17	132kV SS Palasamudram	Anantapur	31.5	1x31.5+1x50	50	20.12.2021
18	132kV SS Yerpedu	Chittoor	1x80+1x31.5	2x31.5	-48.5	27.12.2021
19	132/33kV SS Darsi	Prakasam	2x31.5	2x31.5+1x50	50	15.12.2021
20	132/33kV SS Kesinenipalli	Prakasam	1x31.5+1x10/16	2x31.5+1x10/16	31.5	07.01.2022
21	132/33kV SS Addanki	Prakasam	2x31.5	2x31.5+1x10/16	16	11.01.2022
22	132/33kV Pedavegi	West Godavari	3x31.5	1x50+2x31.5	18.5	12.01.2022
23	132kV SS Jangareddygudem	West Godavari	2x50+1x31.5	3x50	18.5	07.02.2022
24	132kV SS G.Chodavaram SS	Vijayanagaram	1x31.5	2x31.5	31.5	09.03.2022
25	132kV SS Rentapalla	Guntur	2x31.5	2x31.5+1x10/16	16	30.03.2022
TOTAL					629.00	

7.5 SUBSTATIONS (DISTRICT WISE) AS ON 31-03-2022

S.No.	Name of the District	No. of Sub-stations				
		400 kV	220 kV	132 kV	33 kV	Total
APEPDCL						
1.	Srikakulam	0	2	10	106	118
2.	Vizianagaram	1	3	10	110	124
3.	Visakhapatnam	1	9	18	211	239
4.	East Godavari	1	7	16	220	244
5.	West Godavari	1	7	16	277	301
Total for EPDCL		4	28	70	924	1026
APCPDCL						
6.	Krishna	0	7	13	265	285
7.	Guntur	1	5	20	279	305
8.	Prakasam	1	5	18	299	323
Total for CPDCL		2	17	51	843	913
APSPDCL						
9.	Nellore	1	5	20	266	292
10.	Chittoor	3	8	30	404	445
11.	Kadapa	1	12	21	303	337
12.	Anantapur	3	20	22	254	299
13.	Kurnool	2	13	18	232	265
Total for SPDCL		10	58	111	1459	1638
Total for Andhra Pradesh		16	103	232	3226	3577

7.6 EHV TRANSMISSION LINES COMPLETED/COMMISSIONED DURING 2021-22					
Sl. No.	Name of the line	No. of Circuits	Route Length in KM	Length circuit in CKM	Date of completion/ Commissioning
A)	400 kV Lines				
	NIL				
	Sub Total			0.00	
B)	220 kV Lines				
1	220KV Maradam-Pydbhimavaram-I in Srikakulam district	1 No	45.713	45.713	14.05.2021
2	220KV Maradam-Pydbhimavaram-II in Srikakulam district	1 No	45.713	45.713	14.05.2021
3	Erection of 220 KV DC line for making LILO line from existing one circuit of 220 KV Undi – Eluru (Gudivada) line to proposed 220/33 KV Sub Station at Akiveedu in West Godavari District.	2No	1.5	3	28.05.2021
4	220kV TMSC line from 400kV SS Hindupur to 220kV SS Hindupur in Anantapur district	1No	15.7	15.7	24.02.2022
	Sub Total			110.126	
C)	132 kV Lines				
1	Erection of 132KV DC line from 132/33 KV Chilakapalem SS to proposed 220/132 KV Pydbhimavaram SS. (idle charged from Loc.1 to Loc 98) in Srikakulam district.	2 No	26.9	53.8	14.06.2021
2	Erection of 132 KV DC Line from 220 KV SS Pulivendula to 132 KV SS Nallacheruvupalli in Y.S.R. Kadapa district.	2 No	13.58	27.16	08.07.2021
3	132KV Pydbhimavaram - G. Chodavaram-II	1No	8.906	8.906	15.07.2021
4	Erection of 132KV Lepakshi-Palasamudram Ckt I&II in Anantapur district	2 No	19.27	38.54	26.07.2021
5	132KV Ankireddypalli - M/s.Ramco Cements	1No	13.73	13.73	12.08.2021 (Idle charged)
6	Erection of One Circuit (Circuit-II) of 132 KV Nuzvid - Narsapuram DC line Guntur district	1No	25.45	25.45	23.08.2021
7	132KV Narsingabilli - Chettinadu cements	1No	2.89	2.89	27.08.2021
8	Erection, testing & commissioning of 2nd Circuit (15.5 KM) stringing from 220 KV Gollapuram to 132 KV SS, Lepakshi, on Turnkey basis in Anantapuramu District	1No	15.34	15.34	28.08.2021
9	Erection of 132KV DC/SC line from 220KV SS Rentachintala to 132/25KV RTSS, Gurajala in Guntur district.	1No	11.91	11.91	14.08.2021
10	Erection of 132kV DC line from 132kV Manubolu - Kallurupalli in SPSR Nellore district.	2No	20.932	41.864	06.08.2021
11	Erection of 132KV Biccavole-M/s.Grasim Industries Ltd DC/SC line in East Godavari district.	1No	5.02	5.02	02.09.2021
12	Erection of 132KV Naidupeta - Gottiprolu DC Line in SPSR Nellore district.	2No	32.786	65.572	03.09.2021
13	Erection of One Circuit (Circuit-I) of 132KV DC line from 220/132/33KV Nuzvidu substation to 132/33Kv Narasapuram substation in Krishna district.	1No	25.45	25.45	06.09.2021

7.6 EHV TRANSMISSION LINES COMPLETED/COMMISSIONED DURING 2021-22					
Sl. No.	Name of the line	No. of Circuits	Route Length in KM	Length circuit in CKM	Date of completion/ Commissioning
14	Erection of 132kV Gangavarram - Malkapuram line CKT-II in Visakhapatnam district	1No	8.26	8.26	01.10.2021
15	Stringing of 2nd circuit (23Km) on existing 132KV feeder from 132KV SS Medarametla in Prakasam District	1No	22.328	22.328	27.10.2021
16	Erection of 132kV DC line from 132KV IFFCO - Alluru in Nellore district	2No	26.892	53.784	27.10.2021 18.93Km Newly constructed line+7.962Km of existing 132KV IFFCO - Alluru and 132KV Alluru - Kavali lines are being utilised
17	Erection of 132kV line from 132KV IFFCO - Kavalli in Nellore district SC line	1 No	34.83	34.83	27.10.2021 11.37Km Newly Constructed line + 23.46 Km of existing 132KV IFFCO - Alluru and 132KV Alluru - Kavali lines are being utilised
18	Erection of 132kV DC line from 220kV SS IFFCO SEZ Racherlapadu to 132kV SS Dhagadathi in SPSR Nellore district	2 No	20.09	40.18	09.11.2021
19	132KV Radium Ferro Alloys feeder from 220KV SS Gollapuram (DC work of private developer)	1 No	2.125	2.125	12.11.2020
20	Erection of 132kV DC line by making LILO of 132kV Kondapalli - Khambampadu SC line to 132kV SS Tiruvuru in Krishna district	2 No	0.1	0.2	02.12.2021
21	Erection of 132kV DC line by making LILO of 132kV Bhimadole - K.Kota SC line to 132kV SS Dwaraka Tirumala in West Godavari district	1 No	1.556	3.112	31.12.2021
22	Erection of 132KV Gunadala - Mogalrajpuram - I UG Cable line in Krishna district	1 No	6.702	6.702	27-01-2022
23	Erection of 132KV Gunadala - Mogalrajpuram - II UG Cable line in Krishna district	1 No	6.702	6.702	28-01-2022
24	Stringing of 2nd circuit on existing 132KV Podili - Lingasamudram feeder in Prakasam district	1 No	52.38	52.38	25-02-2022
25	Stringing of 2nd circuit on existing 132KV Podili - Darsi feeder in Prakasam district	1 No	27.54	27.54	26-02-2022
26	Stringing of 2nd Ckt on 132kV Tadikonda - Gujjanagundla DC/SC line in Guntur district	1 No	8.79	8.79	28.03.2022
Sub Total				602.565	

7.7 Inter-State and Inter-Regional Tie Line flows - Line wise in MU, Maximum Demand in MW (both Import & Exports) during 2021-22

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	
400 KV Lines									
1	Kalapaka - Asupaka \$	Andhra Pradesh	Telangana	237.91	222.577	15.33	198 MW during Aug- 22	154 MW during June-22	4954:59:00
2	Kalapaka - Khammam	Andhra Pradesh	Telangana	62.14	36.85	25.29	244MW During Apr 21	241 MW during June-22	7094:06:00
3	400 KV Sattenapalli-Srisailem-1	Andhra Pradesh	Telangana	0	0	0	-	-	8760:00:00
4	400 KV Sattenapalli-Srisailem-2	Andhra Pradesh	Telangana	125.74	641.68	-515.94	221MW During Jan 22	320MW During May 21	384:26:00
5	400KV Srisailem-Narnoor	Andhra Pradesh	Telangana	341.54	318.47	23.07	577MW During May 21	459MW During Oct 21	112:12:00
6	400 KV Chittoor - Madras	APTRANSCO/AP	PGCIL/TN	1439.9	0.0	1439.90	380 MW During May 21	-	25:33:00
7	400 KV Chittoor - Thiruvalem -I	APTRANSCO/AP	PGCIL/TN	302.68	739.7	-437.02	325MW During Nov 21	550 MW During May-21	11:46:00
8	400 KV Chittoor - Thiruvalem -II	APTRANSCO/AP	PGCIL/TN	305.42	738.66	-433.24	325MW During Nov 21	550 MW During May-21	7:21:00
9	400 KV Kalpaka-PGCIL(Gajuwaka)-1	APTRANSCO/AP	PGCIL	466.484	361.324	105.16	397 MW during Sept 2021	175 MW During June 21	59:07:00
10	400 KV Kalpaka-PGCIL(Gajuwaka)-2	APTRANSCO/AP	PGCIL	430.31	328.806	101.504	472 MW during Sept 2021	181 MW During June 21	22:58:00
11	400KV Uravakonda-Veltoor- I	Andhra Pradesh	Telangana	677.8	50.804	626.996	544MW During June 21	216 MW During May-21	207:32:00
12	400KV Uravakonda-Veltoor- II	Andhra Pradesh	Telangana	277.524	38.796	238.728	540MW During Sept 21	202MW During June 21	4920:35:00
13	400KV Sattenapalli – CH.Peta - I	APTRANSCO	PGCIL	0.69	1312.31	-1311.62	-	436MW During Sept 21	7:08:00
14	400KV Sattenapalli - CH.Peta - II	APTRANSCO	PGCIL	0.69	1310.38	-1309.69	-	423MW During Apr 21	16:18:00
15	400 KV Sattenapalli - Vijayawada	APTRANSCO/AP	PGCIL	17.68	108.26	-90.58	93 MW During Sept 21	161MW During Oct 21	95:17:00
16	400 KV Narnoor - Maheswaram	APTRANSCO/AP	PGCIL/TN	312.58	189.01	123.57	438 MW During July 21	309MW During Feb 21	695:35:00
17	400 KV Narnoor-Gooty	APTRANSCO/AP	PGCIL/AP	865.20	227.33	637.87	500 MW During Oct 21	373 MW During July 21	11:00:00
18	400 KV Narnoor - Orvakal-1	APTRANSCO/AP	PGCIL/AP	107.90	277.21	-169.31	499 MW During May21	417MW During Mar 21	3:35:00
19	400 KV Narnoor - Orvakal-2	APTRANSCO/AP	PGCIL/AP	110.22	276.55	-166.33	505MW During May21	417MW During Mar 21	0:00:00
20	400 kv Manubolu - VTPS	APTRANSCO	PGCIL	0.00	1023.11	-1023.11	-	333 MW During April 21	0:00:00
21	400 kv Manubolu - Nunna	APTRANSCO	PGCIL	0.0	883.9	-883.86	-	289 MW During June 21	14:33:00

22	400 KV Hindupur - NP Kunta - 1	Andhra Pradesh	Andhra Pradesh	567.6	43.8	523.82	301 MW During Sept 21	-	34:44:00
23	400 KV Hindupur - NP Kunta - 2	Andhra Pradesh	Andhra Pradesh	537.20	42.83	494.37	301 MW During Sept 21	-	415:34:00
24	400KV K.V. Kota Suryapeta - I	Andhra Pradesh	Telangana	110.02	182.90	-72.88	120 MW During May 20	327 MW During May 21	4439:33:00
25	400KV K.V. Kota Suryapeta - II	Andhra Pradesh	Telangana	101.21	132.31	-31.11	324 MW During Feb 21	250 MW During Oct 21	5280:18:00
26	400KV Kadapa - Chittoor	Andhra Pradesh	Andhra Pradesh	0.93	2021.28	-2020.344	75 MW During May 21	550 MW During Oct 21	10:32:00
220KV Lines									
1	220KV Ragulapadu - Allipura	KARNATAKA	Andhra Pradesh	38.01	154.32	-116.31	140 MW during Oct 21	101 MW Aug 21	33:17:00
2	220 KV Chittoor - Tiruvalam	Andhra Pradesh	Tamila Nadu	842.459	2.32	840.139	199 MW During Nov 21	-	8:53:00
3	220 KV B. Kotkur - Wanaparthy Line	Andhra Pradesh	Telangana	95.206	17.692	77.514	93.4MW During May 21	59 MW During Mar 21	2855:45:00
4	220KV Srisailam-Dindi Feeder.	Andhra Pradesh	Telangana	6.13	84.84	-78.71	144 MW During Aug 21	107 MW During June 21	50:05:00
5	220 kv Srisailam-Domalapenta	Andhra Pradesh	Telangana	222.48	77.62	144.85	148 MW During Oct 21	143 MW During Oct 21	11:17:00
6	220KV Srisailam - Nagarjuna sagar Feeder	Andhra Pradesh	Telangana	25.95	295.99	-270.05	114 MW During July 21	141 MW During Sept 21	66:51:00
7	220 KV Nunna- KTPS	Andhra Pradesh	Telangana	1.37	-453.03	454.397	**	194 MW During May 21	1069:32:00
8	# 220 KV Chillakallu-Suryapet	Andhra Pradesh	Telangana	158.49	117.43	41.058	130 MW During Nov 21	121 MW During Mar 21	46:56:00
9	# 220 KV Chillakallu-Narketpalli(Pulichintala)	Andhra Pradesh	Telangana	457.91	0.77	457.15	129 MW During Aug 21	63 MW During July 21	149:41:00
10	220 KV Tallapalli-NSR-I FEEDER	Andhra Pradesh	Telangana	844.91	55.45	789.45	268 MW During March 22	344 MW During Aug 21	33:31:00
11	220 KV Tallapalli-NSR-II FEEDER	Andhra Pradesh	Telangana	841.04	55.41	785.63	286MW During April 21	318 MW During Aug 21	73:35:00
12	220 KV Tallapalli-NSR-III FEEDER	Andhra Pradesh	Telangana	464.15	33.29	430.86	158MW During April 21	185 MW During Aug 21	16:42:00
13	220KV Tallapalli - Chalakurthy feeder	Andhra Pradesh	Telangana	382.13	0.26	381.87	188MW During Sept 21	**	101:33:00
14	220KV Sullurpeta-Gummidipudi	Andhra Pradesh (APTRANSCO)	Tamila Nadu	405.98	33.55	372.43	186 MW During Oct 21	82 MW During June 21	57:30:00
15	220KV Lower Sileru-KTPS-I	Andhra Pradesh	Telangana	276.29	28.88	247.42	158MW During Apr 21	**	73:55:00
16	220KV Lower Sileru-KTPS-II	Andhra Pradesh	Telangana	242.58	47.63	194.95	157 MW During Apr 21	**	75:07:00
17	220KV Nunna-PGCIL-1 Feeder	Andhra Pradesh	Telangana	0.00	-713.20	713.20	**	150 MW During Mar 22	19:15:00
18	220KV Nunna-PGCIL-2 Feeder	Andhra Pradesh	Telangana	0.00	-735.47	735.47	**	150 MW During Mar 22	11:53:00
19	220KV Nunna-PGCIL-3 Feeder	Andhra Pradesh	Telangana	0.00	-1162.92	1162.92	**	256 MW During Aug 21	0:00:00
20	220KV VSS-PGCIL - I	PGCIL	APTRANSCO	1365.51	1362.45	3.07	**	**	4:15:00
21	220KV VSS-PGCIL - I I	PGCIL	APTRANSCO	1274.02	1271.84	2.18	**	**	5:21:00

132 KV Lines									
1	132 KV Tangeda-Wadapalli	Andhra Pradesh	Telangana	1.902	157.044	-155.142	**	53 MW During April 21	11:33:00
2	132 KV Piduguralla-Wadapalli	Andhra Pradesh	Telangana	0.042	0.062	-0.02	**	**	38:02:00
3	132 kv Chillakallu-Madhira	Andhra Pradesh	Telangana	120.49	0	120.49	32 MW During March 22	**	54:51:00
4	132 kv Chillakallu-Khammam	Andhra Pradesh	Telangana	0.009	4.4836	0	17 MW During Feb 22	22 MW During June 22	842:25:00
5	132 kv Chillakallu-Kusumanchi	Andhra Pradesh	Telangana	29.75	21.14	8.61	76MW During Apr 21	65 MW During Apr 21	6927:29:00
6	132 kv Chillakallu-Seethapuram	Andhra Pradesh	Telangana	59.00	13.32	45.68	50 MW During Aug 21	19MW During Feb 22	5:33:00
7	132 kv Chillakallu-Ramapuram	Andhra Pradesh	Telangana	84.85	0.45	84.41	60 MW During Aug 21	10 MW During Aug 21	28:27:00
8	132 kv Chillakallu-Bonakallu Railway-I	Andhra Pradesh	Telangana	30.19	0.00	30.19	11MW During March22	**	41:43:00
9	132 kv Chillakallu-Bonakallu Railway-II	Andhra Pradesh	Telangana	27.66	0.00	27.66	11MW During July 21	**	163:11:00
10	132 kv Chillakallu-Kodad	Andhra Pradesh	Telangana	202.80	28.96	173.84	87MW During July 21	33 MW During Nov 21	62:18:00
11	132KV AP Carbides-Alampur -I	Andhra Pradesh	Telangana	**	**	**	55MW During April 21	34MW During May 21	2115:15:00
12	132KV AP Carbides-Alampur -II	Andhra Pradesh	Telangana	**	**	**	56MW During May 21	41MW During June 21	2116:27:00
13	132 KV K.Kota - Aswarao Peta-I	Andhra Pradesh	Telangana	3.81	26.24	-22.43	51 MW During Feb 22	58 MW During Sep 21	177:08:00
14	132 KV K.Kota - Aswarao Peta-II	Andhra Pradesh	Telangana	**	**	**	**	**	**
15	132KV Pratap Nagar-Yanam	Andhra Pradesh	Puducherry	58.78	0.00	58.78	11.5MW During Apr 21	**	10:00:00
16	132KV Guntakal - Hampi	Andhra Pradesh	Karnataka	0.56	164.18	-163.62	**	45 MW During Sept 21	17:36:00

* 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

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

7.8 (A) APTRANSCO PURCHASES OF ENERGY

Year	Purchases from APGENCO			Purchases , imports and wheeled						Gross Total
	Hydel	Thermal	Total	Central Generating Stations Sector	APGPCL	Private Projects (IPPs)	NCEs	others	Total	
				(NTPC,NLC MAP,etc)						
1	2	3	4	5	6	7	8	9	10	15
2015-16	2320.39	12201.93	14522.32	11925.078	90.29	4666.187	2650.657	15659.47	34991.68	49514.00
2016-17	2180.52	14378.91	16559.43	11639.604	84.62	7998.419	4985.997	11369.18	36077.82	52637.25
2017-18	2655.68	18477.70	21133.38	10139.038	147.01	6293.119	12420.565	7442.926	36442.66	57576.04
2018-19	2680.45	22360.83	25041.28	8018.12	1091.40	4433.95	13360.78	11198.03	38102.28	63143.56
2019-20	3529.60	22469.97	25999.57	14698.3	980.63	4676.8	11857.57	4710.12	36923.42	62922.99
2020-21	3821.86	16430.37	20252.23	12483.03	1226.14	1989.922	13467.48	13651.39	42817.96	63070.19
2021-22	3698.07	22009.99	25708.07	12201.76088	952.59	1070.2617	14740.709	14299.24	43264.57	68972.63

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

Year	Total	Energy sold	Transmission	Sales	Energy assessed	Exports	Total	System	% System	3rd party
Ending	Energy	to Discoms	Losses	within the	in theft&pilferage		Sales	Loss	Loss**	Energy
March	Handled*	(#)		State\$	&back billing		(5+6)	(2-7)	(8/2)	Handled
1	2	3	4	5	6		7	8	9	10
1999-2K	43747.04	--	--	27568.41	35.98	-	27604.39	16142.65	36.90	2725
2000-01	44716.83	40720	8.94	29457.97	310.21	29.48	29559.62	15157.21	33.90	2528
2001-02	44890.04	40419.24	9.96	31601.03	-	-	31601.03	13289.01	29.60	2785.65
2002-03	45787.68	41642.51	9.05	33823.68	-	-	33823.68	11964.00	26.13	2010.44
2003-04	47440.71	43049.11	6.27	36459.08	-	-	36459.08	10981.63	23.15	2287.05
Year Ending March	Power Purchase (incl. UI Energy)	Discom Input (Transco Sales)	Transmission Losses (%)	DISCOM sales	UI Energy	Interstate sales	Details of Sale of power(DISCO M +UI-Inter state)	T&D Losses (Incl. UI energy) MU	T&D Losses (Incl. UI energy) (%)	3rd party energy Handled
2004-05	51142	46255	4.53	37617.63	2132.61	439	40188.74	10953.26	21.42	2380.32
2005-06	51857.16	47807	4.48	39651.69	527.29	1199.72	41378.7	10478.46	20.21	2253.62
2006-07 (incl PGCIL losses)	57464	53994.81	4.80	44850	500.26	212.85	45563.11	11900.89	20.710	1882.95
2006-07 (excl PGCIL losses)	57464	53994.81	3.94	44850	500.26	212.85	45563.11	11390.58	19.822	1882.95

7.8(B) SALE OF ENERGY AND SYSTEM LOSSES

Year Ending March	Energy Handled	(Transco Sales)	Transmission Losses (%)	DISCOM sales	33kV Private developers	33kv Genco	Sale of power(incl wheeling)	T&D Losses in MU	T&D Loss%
2007-08	61797.37	56992.07	4.27	48390.42	1616.79	93.41	49939.14	11858.23	19.19
2008-09	67386.76	62637.1	4.02	53215.36	1276.44	107.13	54830.9	12555.86	18.63
2009-10	74611.87	68960.26	4.65	59118.39	1484.189	81.93	60930.058	13681.812	18.34
2010-11	77764.05	72131.75	4.50	62618.77	1472.36	92.15	64149.24	13614.81	17.51
2011-12	85050.44	79966.26	4.22	69955.05	1465.66	91.11	71270.35	13780.09	16.20
2012-13	83291.17	77988.21	5.24	68307.17	925.47	66.41	69281.69	14009.48	16.82
2013-14	89500.01	83847.08	5.00	73055.73	1163.22	74.35	74158.34	15341.67	17.14
2014-15 (Apr& May)	15590.82	14625.73	3.92	12603.71	163.37	11.3	12603.71	2987.11	19.16
2014-15 (Jun to Mar)	40771.62	38215.18	3.37	35543.8	869.379	21.83	35543.8	5227.82	12.82
2015-16	50110.44	47330.78	3.37	44439.19	1102.37	24.81	44817.6	5292.84	10.56
2016-17	54770.55	51488.76	2.92	47822.87	1708.36	22.07	48392.34	6378.21	11.65
2017-18	58262.62	54583.39	3.13	50519.22	1899.13	17.03	51313.77	6948.85	11.93
2018-19	61347.20	59443.95	3.10	54567.05	2258.01	16.85	55327.95	8294.12	13.04
2019-20	63543.28	61090.68	2.91	55865.16	2110.62	16.35	56581.74	8469.41	13.02
2020-21	62001.07	59530.64	2.60	54676.31	1936.75	15.33	57083.39	5988.16	9.49
2021-22	67874.94	65040.96	2.76	60313.23	2140.07	16.5	62278.81	7752.7	9.76

7.8 (C) ENRGY BALANCE SHEET 2021-22

S.No	Particulars	2021-22 (From Apr-21 to Mar -22)
1	Input from State Generators including wheeling	38905.52
2	CGS (Ex-Bus)	28969.42
3	System Input at 132 kv & above including Wheeled Energy (1+2)	67874.94
4(a)	Energy delivered by Transco to Discoms through 33KV or 11KV points from EHT SS including Wheeled Energy	53088.82
4(b)	Energy delivered by Transco to Discoms at 132KV and above feeder points including Wheeled Energy	11952.14
4©	Aux. Consumption	24.61
5	Transmission Losses (Incl.Wheeling) (3-(4a+4b-4c)) inclusive of PGCIL losses (SR Losses)	2858.59
6	% Transmission Losses (Incl wheeling) on respective Inputs{(5/3*100)} inclusive of PGCIL losses	4.21
6a	% Transmission Losses (Incl wheeling) on respective Inputs{(5-11)/(3-11)*100)} exclusive of PGCIL losses	2.76
7 (a)	Net wheeled Energy at 132 KV & above by Third Party Developers	250.94
7(b)	132KV Open Access sales	640.00
8	Energy delivered by Transco to Discoms Excluding Wheeled Energy at 132 KV & above ((4a+4b-4c) - (7a+7b))	64125.41
9a	Drawls at 33 KV & 11 KV from TP developers	2093.46
9b	Energy received (+)/sent out (-) at interface points of other circles (MU)	46.61
10	Drawls at 33 KV & 11 KV from Genco	16.50
11	External losses (PGCIL/SR losses)	1013.64
12	Input to Discoms (Incl Wheeling Energy)(8+9a+9b+10)	66281.98
13	Discoms sales of Energy (Excl Wheeling)	60313.23
14a	Net Wheeled Energy at 33 KV & Below by Third Party consumers + 75% Wheeling charge for 3rd party sale at 33 KV and below	66.63
14b	33 kv open access sales	949.67
14c	11 kv open access sales	58.34
15	Discoms sales of Energy (Incl. Wheeling) (13 + 14a+14b+14c)	61387.87
16	Distribution Losses (Incl. wheeling) (12-15)	4894.11
17	% Distribution losses (Incl.Wheeling) on respective inputs { (16/12)*100 }	7.38
18	T & D Input (Ex-Bus Availability) (3+9a+9b+10)	70031.51
19	T & D Sales (Incl.Wheeling) by Discoms (15+7a+7b)	62278.81
20	T & D Losses (Incl. Wheeling) (18-19)	7752.70
21	%T & D losses (Incl.wheeling) & (Incl SR Losses) (20/18*100)	11.07
22	T & D Losses (Incl. Wheeling) & (Excl. SR Losses) (20-11)	6739.06
23	T & D Input (Ex-Bus Availability) (Excl. SR Losses) (18-11)	69017.87
24	%T & D losses (Incl.wheeling) (Excluding SR Losses)((22/23)*100)	9.76
% PGCIL losses due to Central Generating Stations		3.50

7.9 CATEGORY-WISE SERVICES AS ON 31.3.2022
(Including RESCOs)

S.No.	DISTRICT	L.T.CATEGORY						H.T.	TOTAL
		I	II	III	IV	V	Total LT		
		Dom	Comml	Ind	Instl	Agl			
1	SRIKAKULAM	769028	72187	2791	21271	29451	894728	463	895191
2	VIZIANAGARAM	657526	65636	2812	14194	43876	784044	360	784404
3	VISAKHAPATNAM	1454546	162508	4791	28736	47409	1697990	1646	1699636
4	EAST GODAVARI	1586078	180615	6414	36647	60903	1870657	1181	1871838
5	WEST GODAVARI	1218626	147209	4603	28410	122050	1520898	889	1521787
TOTAL APEPDCL		5685804	628155	21411	129258	303689	6768317	4539	6772856
6	KRISHNA	1436629	175773	7185	26444	124245	1770276	1524	1771800
7	GUNTUR	1551284	170917	6701	26181	121789	1876872	1621	1878493
8	PRAKASAM	970787	92956	5758	18426	184377	1272304	1066	1273370
TOTAL APCPDCL		3958700	439646	19644	71051	430411	4919452	4211	4923663
9	NELLORE	1133924	119252	8550.4	36190	186722	1484638.4	1047	1485685.4
10	CHITTOOR	1420039	159779	21354.4	57573	264317	1923062.4	1759	1924821.4
11	KADAPA	917030	97583	7247.4	35448	159347	1216655.4	766	1217421.4
12	ANANTAPUR	1246552	130271	15049.4	36927	293940	1722739.4	1070	1723809.4
13	KURNOOL	1191738	133721	10922.4	32255	187053	1555689.4	925	1556614.4
TOTAL APSPDCL		5909283	640606	63124	198393	1091379	7902785	5567	7908352
TOTAL FOR A.P.STATE		15553787	1708407	104179	398702	1825479	19590554	14317	19604871

7.10 INTER STATE TRANSMISSION LINES

Sl.No.	Name of the Inter State Line	SC/DC	Voltage in kV	Length in C.K.M.	COD
1	400KV VTPS - Suryapet line- I	DC	400	143.26	02.04.2013
2	400KV VTPS - Suryapet line-II				
3	400 KV Srisailam-Sathenapalli Ckt I & II (DC) feeder	DC	400	330.00	23.10.2000
4	LILO of VSTS -Srisailam portion at 400KV Sathenapalli Substation				12.02.2014
5	400 KV Kurnool- Srisailam LB (SC) feeder	SC	400	100.5	06.03.2001
6	400KV Kalpaka -Khammam (400KV B'Padu - Kalpaka)	SC	400	239.00	10.05.2002
7	400 KV Kalpaka-Asupaka	SC	400	239.00	10.05.2002
8	400KV Uravakonda-Veltoor I	DC	400	246.71	18.11.2016
9	400KV Uravakonda-Veltoor II				
10	400KV K.V. Kota Suryapeta - I	DC	400	178.71	25.01.2017
11	400KV K.V. Kota Suryapeta - II				
12	220KV Nunna - KTPS SC Line	SC	220	61.15	21.01.1992
13	220KV Tallapalli - Nagarjunasagar - I feeder	DC	220	20.00	05.08.1985
14	220KV Tallapalli - Nagarjunasagar - II feeder				
15	220KV Tallapalli - Nagarjunasagar -III feeder	SC	220	11.00	27.01.1985
16	220KV Tallapalli - Chalakurthy feeder	SC	220	11.00	21.07.2007
17	220KV Chillakallu - Narketpalli Ckt I & II (Pulichinthala)	SC	220	20.68	29.03.1999
18	LILO of 220KV Chillakallu - Narketpalli Ckt I & II	SC	220	3.32	03.10.2010
19	220 KV Brahmnaotkur-Wanaparthy line (LIS)	DC	220	37.70	29.10.2009
20	220KV Srisailam-RB- Dindi-I (DC) feeder	DC	220	2.40	12.09.1982
21	220KV Srisailam-Dindi-II (DC) feeder(Domalapenta)				
22	220 KV N'Sagar Receiving Station – Srisailam RB SC Line	SC	220	86.00	07.02.1989
23	220KV LSR - KTS-I	DC	220	120.34	31.03.1967
24	220KV LSR - KTS-II	DC	220	176.40	31.03.1979
25	220KV Chittoor - Thiruvalem (Tamilnadu)	SC	220	28.71	17.03.2013
26	220KV Sullurpet -Gummadipoondi (Tamilnadu) (Originally Nellore-Ennore)	SC	220	30.74	31.10.2012
27	220KV Ragulapadu-Allipura (Karnataka)	SC	220	18.58	25.09.1975
	LILO of 220KV Ragulapadu-Allipura line at Ragulapadu	SC	220	20.00	06.06.2011
28	132KV Nagarjunasagar - RCPH feeder	SC	132	6.00	25.02.1983
29	132KV Piduguralla - Wadapalli	DC	132	86.44	22.02.2014

7.10 INTER STATE TRANSMISSION LINES

Sl.No.	Name of the Inter State Line	SC/DC	Voltage in kV	Length in C.K.M.	COD
30	132KV Tangeda - Wadapalli DC/SC line	SC	132	27.38	26.08.2010
31	132KV Chillakallu - Kodada SC line	SC	132	11.72	10.06.2004
32	132KV Chillakallu - Vepulasingaram SC line (Ramapuram)	SC	132	15.00	21.10.1982
33	132KV Chillakallu - Sitapuram SC line	SC	132	15.00	06.04.2004
34	132KV Chillakallu - Khammam SC line	SC	132	11.00	12.02.2001
35	132KV Chillakallu - Kusumanchi SC line	SC	132	11.00	24.12.1985
36	132KV Chillakallu - Madhira SC line	SC	132	21.0	27.10.2001
37	132KV Sitapuram - KCP Cements line	SC	132	2.03	10.05.2010
38	132KV Chillakallu - Bonakallu Railway Traction I (DC) feeder	DC	132	37.00	20.01.1987
39	132KV Chillakallu - Bonakallu Railway Traction II (DC) feeder				
40	132 KV A.P.Carbides - Alampur I	DC	132	14.10	20.01.1987
41	132 KV A.P.Carbides - Alampur II	DC	132	14.10	13.01.2000
42	132KV K.Kota - Aswaraopet I	DC	132	62.10	09.06.1982
43	132KV K.Kota - Aswaraopet II	DC	132		
44	132 KV Pratapnagar(Kakinada)-Yanam(pondichery)	SC	132	30.30	21.11.2013

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

7.11 GROWTH OF CONSUMERS AND CONNECTED LOAD

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

7.11 GROWTH OF CONSUMERS AND CONNECTED LOAD

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

** Reconciled data.

7.11 GROWTH OF CONSUMERS AND CONNECTED LOAD

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

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

** Reconciled data.

7.11 GROWTH OF CONSUMERS AND CONNECTED LOAD

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

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

↑ Including RESCO services

** R HT connected load reconciled for 2008-09

7.11 GROWTH OF CONSUMERS AND CONNECTED LOAD

SL. No.	Category	2014-15 (Resi AP)		2015-16		2016-17		2017-18		2018-19	
		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	9686.07	13885966	10445.977	14338841	13688.93	14799199	14375.84
	2.Non-Domestic	1104366	2440	1173535	2230.98	1254523	2426.16	1349834	3013.99	1465736	3286.02
	3.Industrial	134100	2886	137934	2092.597	144124	2312.779	155521	5621.88	163809	5921.72
	4.Cottage Industries	16029	267	16493	42.668	16885	44.603	17812	109.47	18899	116.53
	5.Agricultural	1509495	7536	1581855	7126.508	1657258	7627.073	1720670	7753.33	1737214	8156.1
	6.Public Lighting	91440	583	95274	403.98	100209	450.634	104490	842.05	107895	870.11
	7.General Purpose	105297	269	106975	128.39	111788	136.512	120989	1069.72	129997	1150.62
	8.Temporary	2205	5	2483	0.5	2769	0.69	2929	158.79	3098	169.32
	Total L.T	15611034	24641	16291429	21711.693	17173522	23444.428	17811086	32258.16	18425847	34046.26
II.	HIGH TENSION										
	Total H.T	7835	9466	8348	5176.67	8958	5860.589	9630	8523.19	10513	9363.78
Grand Total (I+II)		15618869	34107	16299777	26888.363	17182480	29305.017	17820716	40781.35	18436360	43410.04

* SPDCL DATA REVISED

7.11 GROWTH OF CONSUMERS AND CONNECTED LOAD

SL.	Category	2019-20		2020-21		2021-22*	
		Number of Consumers	Connected Load (MW)	Number of Consumers	Connected Load (MW)	Number of Consumers	Connected Load (MW)
1.	2.	13	14	15	16	17	18
I.	LOW TENSION						
1	Domestic supply	14904878	14451.38	15293063	15290	15553787	16800.52
2	Commercial	1564086	3547.07	1654122	3785	1708407	4115.37
3	Industrial/Cottage Industrial	94904	2524.33	111066	2433	104179	2503.62
4	Institutional	1812376	11187.26	386173	11743	398702	923.52
5	Agriculture & related Services	418741	2238.366	1887110	1700	1825479	11444.51
	Total L.T	18794985	33948.406	19331534	34951	19590554	35787.55
II.	HIGH TENSION						
	Total H.T	14321	7395.44	14916	8358.98	14317	8255.19
Grand Total (I+II)		18809306	41343.846	19346450	43309.98	19604871	44042.75

* Number of consumer Services reconciled for the FY 2021-22

7.12 LINES AND SUB-STATIONS (YEAR - WISE)

I - TRANSMISSION in CKM AND DISTRIBUTION LINES (in KM)																	
Sl. No	VOLTAGE	✦ 2000	✦ 2001	✦ 2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015 Residuary AP
1	400 kV	46	893	1301	2033	2033	2033	2686	2816	2987.56	3009	3172.37	3308	3308	4111.658	4257	2400
2	220 kV	8957	9607	10341.35	10940	11127.33	11462	11569.988	11784.328	12236.7	12503	12693.18	12878	13622.57	13917.506	14389	8395
3	132 kV	10922.5	11790.5	12404.28	12784	13021.822	13342.24	13886.08	14314	14705.52	14939.547	15103.45	15587	15915.16	16259.578	16642	8600
4	66 kV	186	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	33kV	29884	30517	30537.052	32284	32710.8	33559.52	34835.29	35950	37205.94	38628	40033	40432	41128	42462.9	43929	24084
6	11kV	166244	169649	165299	178321	186722.89	202281.57	214743.24	224688	234148.05	248670	260406	270167	279894	290219.3	300932	184499
7	L.T Lines in kV	424277	460863	442209	467313	473928.18	486191.33	504820.36	513166	517685.24	527852	532656	542716	551959	559839.94	566392	288769
	Total CKM	640804	683608	662386.53	703675	719838.53	749164.16	782835.46	802718.328	818969.01	845601.547	864064	885088	905826.73	926810.882	946541	516747
	✦ Reconciled																
II - SUB - STATIONS (Nos)																	
Sl. No	Voltage (kV)	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
1	400 kV	Nil	2	3	3	3	3	7	7	8	9	9	10	10	11	12	6
2	220 kV	59	63	69	73	76	78	79	82	90	93	96	99	109	117	120	71
3	132 kV *	170	180	186	191	210	229	243	256	264	269	277	295	309	312	329	169
4	66 kV	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	33 kV	1764	1862	1941	2123	2329	2474	2642	2821	3023	3355	3714	3887	4056	4369	4674	2633
	Total Nos	1996	2107	2199	2390	2618	2784	2971	3166	3385	3726	4096	4291	4484	4809	5135	2879
6	Distribution Transformers (Nos)	186847	201801	216453	242668	323033	405937	474959	519365	580721	725837	737544	811108	894581	958015	1032863	621171
7	OTRs Transformer Capacity (MVA)	14490	15650	16413.039	17763.3	19976.71	22425.651	24483.835	26025	28155.518	30574	32571	33617	36981	40042	42401.657	21798

(*) Reconciled figure

NA :- Not Accounted for

7.12 LINES AND SUB-STATIONS (YEAR - WISE)

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

Sl. No	VOLTAGE	At the end of March							
		2015 Residuary AP	2016*	2017	2018	2019	2020	2021*	2022*
1	400 kV	2400.00	2891.84	3606.79	4561.83	5309.53	5309.53	5436.73	5436.73
2	220 kV	8395.00	9954.27	10549.00	11032.84	11432.01	11686.95	11761.53	11871.66
3	132 kV	8600.00	9784.47	10091.43	10720.23	11237.69	1435.48	11879.92	12482.48
4	33kV	24084.00	24639.19	24803.48	25827.26	26261.76	27294.00	28180.80	29075.27
5	11kV	184499.00	192080.66	217700.67	226012.7	235629.98	247890.00	258684.46	274851.25
6	L.T Lines in kV	288769.00	296982.87	320569.04	327044.2	343676.00	351920.00	302216.83	304116.82

II - SUB - STATIONS (Nos)

Sl. No	Voltage (kV)	At the end of March							
		2015	2016	2017	2018	2019	2020	2021*	2022
1	400 kV	6	6	10	11	15	15	16	16
2	220 kV	71	75	84	87	93	100	100	103
3	132 kV	169	180	191	206	212	220	224	232
5	33 kV	2633	2728	2766	2898	2949	3123	3186	3226
	Total Nos	2879	2989	3051	3202	3269	3458	3526	3577
6	Distribution Transformers (Nos)	621171	635055	814078	875547	949799	1020639	1128324	1199722
7	DTRs Transformer Capacity (MVA)	22256	22976	28227	29672	31862	35856	37214	39049

* Reconciled

7.13 DISTRIBUTION LINES AND DISTRIBUTION TRANSFORMERS EXISTING AS ON 31-03-2022

S.No.	District	Lines in Km			(Nos)
		33 kV	11 kV	L.T	DTRs
APEPDCL					
1	Srikakulam	1319.40	7930.61	14761.64	23630
2	Vizianagaram	834.47	6489.37	11372.14	22642
3	Visakhapatnam	1764.78	10232.50	14627.62	44165
4	East Godavari	1566.31	13708.91	17858.26	73629
5	West Godavari	2912.70	19753.23	26043.01	111692
Sub-total		8397.67	58114.62	84662.68	275758
APSPDCL					
6	Krishna	1998.23	18215.86	25973.63	85215
7	Guntur	2337.76	22683.95	24854.27	77423
8	Prakasam	3338.53	36495.11	23004.52	96331
Sub-total		7674.52	77394.92	73832.42	258969
APSPDCL					
9	Nellore	2291.33	16832.25	25891.57	68857
10	Chittoor	3108.75	29383.71	33695.38	155369
11	Kadapa	2104.81	25123.23	23563.35	118073
12	Anantapur	2575.83	25161.82	30663.89	102292
13	Kurnool	2922.35	42840.70	31807.54	144930
Sub-total		13003.08	139341.71	145621.72	589521
Grand Total for A.P(DISCOMs)		29075.27	274851.25	304116.82	1199722

7.14 POWER RESTRICTIONS (1977-2015) (%)

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

(Contd..)

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	• 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 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	a)Industries : As per Hon'ble APERC orders on Restriction and Control Measures dated 17.04.2013 restrictions on contract demand and energy consumption on various industries is being implemented from meter reading date April 2013 to meter reading data of June 2013 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. 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 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. e) There was no power restrictions during 1-8-2013 to 02-3-2014. f) From 3-3-2014 onwards one day power holiday in a week was imposed.			
2014-15 Residual AP	Details	From 03.03.2014	From 09.05.2014	From 14.05.2014
	HyderabadTirupati,Vizag and waran	3 Hours in two spells3 Hours in two spells4 Hours	3 Hours in two spells3 Hours in two spells4 Hours	3 Hours in two spells3 Hours in two spells4 Hours
	From 14/05/2014Tirupati and Vizag	: 3 Hours in two spellsCorpe	From 01/03/2015	NIL

7.14 POWER RESTRICTIONS (2016-2022)	
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
2019-20	1. Total Load Shedding in the State during the year 2019-20: 36.11 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:9 hours supply- day time in two spells. ii) Single phase supply:No single phase supply for agricultural sector
2020-21	1. Total Load Shedding in the State during the year 2020-21: 5.63 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:9 hours supply- day time in groups ii) Single phase supply:No single phase supply for agricultural sector
2021-22	1. Total Load Shedding in the State during the year 2021-22: 182.07 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 : 9 hours supply- day time in groups ii) Single phase supply : No single phase supply for agricultural sector

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

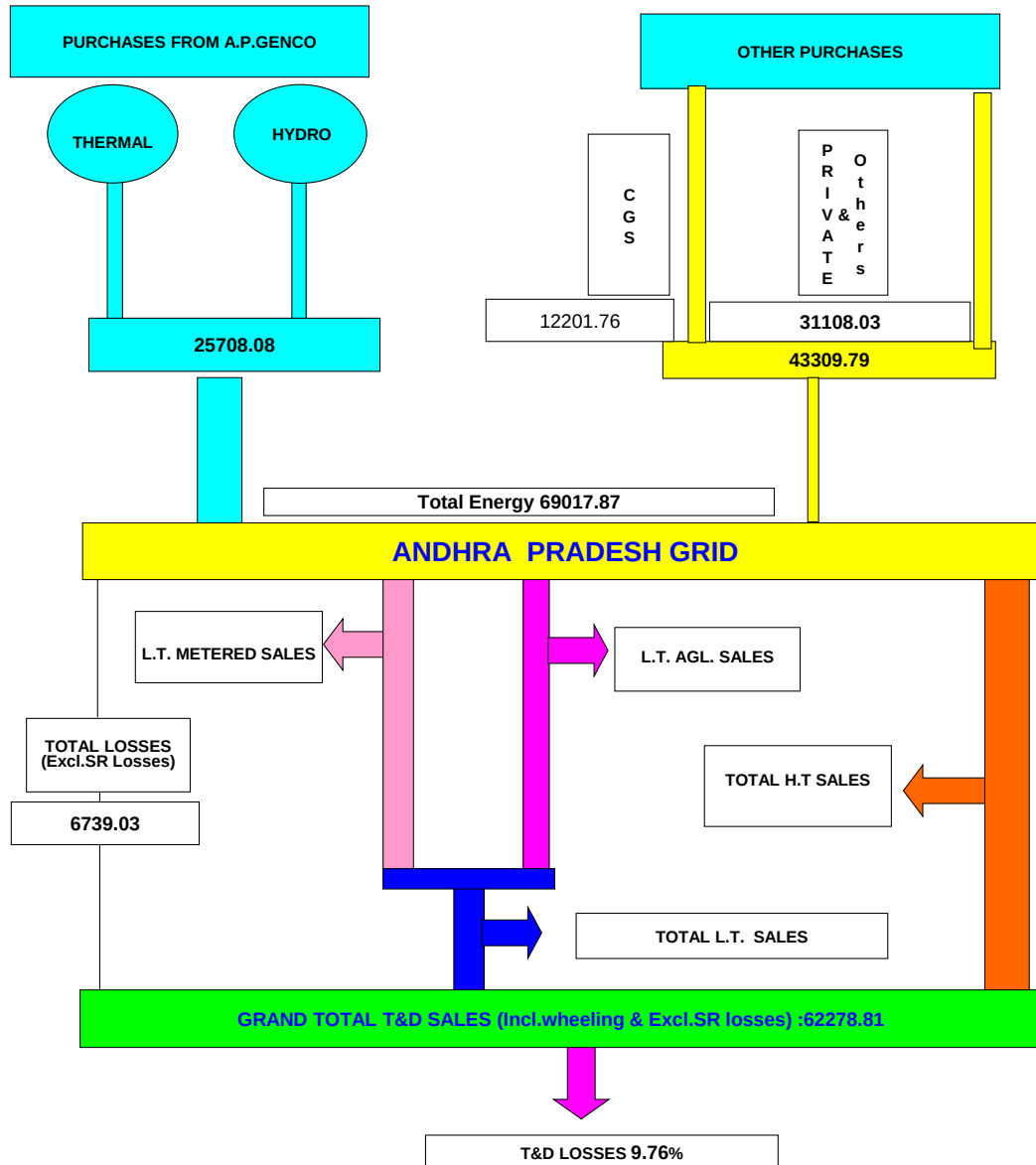
DISTRICT WISE STATEMENT OF CASES REPORTED AND COMPOUNDED DURING 2021-22

S.No.	District/ APTS	No.of cases reported	Assessment amount Collected	Cases compounded	Compounding amount collected
			(In Lakhs)		(in Lakhs)
	APEPDCL				
1	Srikakulam	1419	49.61	1427	11.83
2	Vizianagaram	1390	70.27	1478	12.64
3	Visakhapatnam	1104	45.39	1122	13.02
4	East Godavari	1007	83.00	1039	16.36
5	West Godavari	1062	65.62	1075	15.01
	Total	5982	313.89	6141	68.85
	APCPDCL				
1	Krishna	1137	142.51	1131	47.4
2	Guntur	2012	130.85	1991	35.07
3	Prakasam	2553	126.54	2462	40.42
	Total	5702	399.90	5584	122.89
	APSPDCL				
4	Nellore	2190	136.49	2075	30.86
5	Chittoor	732	17.64	765	8.07
6	Kadapa	4292	93.49	4376	42.02
7	Ananatapur	4240	92.98	4124	48.08
8	Kurnool	3278	82.40	3229	27.57
	Total	14732	422.99	14569	156.6
	Grand Total	26416	1136.79	26294	348.34

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
Total	1438110	1321922	12222	28611.28	13613.77
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
2019-20	45606	48003	0	1323.64	462.43
2020-21	20258	20795	0	945.40	267.73
2021-22	26416	26294	0	1136.79	348.34

A.P.TRANSCO ENERGY BALANCE SHEET 2021-22
(ALL FIGURES IN MU) (Excluding SR Losses)



8. RURAL ELECTRIFICATION

8.1 - RURAL ELECTRIFICATION PROGRESS AS ON 31-03-2022

Sl. No.	Particulars	Total Electrified as on 31-03-2021 (Nos.)	Total Electrified as on 31-03-2022	Percentage of electrified
			(Nos.)	(%)
1	Towns (as per 2011 census)	195	195	100.00
2	Villages (as per 2011 census)	16158	16158	100.00
3	General Hamlets	30103	30103	100.00
4	Dalitwadas	35253	35253	100.00
5	Weaker Section Colonies	21332	21332	100.00
6	Tribal Hamlets/Habitations	8267	8267	100.00

8.2- DISTRICT- WISE GENERAL HAMLETS,TRIBAL HAMLETS/HABITATIONS, DALITWADAS AND WEAKER SECTION COLONIES EXISTING, ELECTRIFIED AND PERCENTAGE OF ELECTRIFIED AS ON 31-03-2022

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	2443	2443	100.00	1262	1262	100.00	652	652	100.00	1211	1211	100.00	5570	5570	100.00
2	VIZIANAGARAM	1901	1901	100.00	773	773	100.00	1634	1634	100.00	855	855	100.00	5163	5163	100.00
3	VISAKHAPATNAM	2738	2738	100.00	3917	3917	100.00	1312	1312	100.00	790	790	100.00	8757	8757	100.00
4	EAST GODAVARI	3478	3478	100.00	1179	1179	100.00	3246	3246	100.00	1861	1861	100.00	9764	9764	100.00
5	WEST GODAVARI	2337	2337	100.00	416	416	100.00	3079	3079	100.00	1640	1640	100.00	7472	7472	100.00
	TOTAL for EPDCL	12897	12897	100.00	7547	7547	100.00	9923	9923	100.00	6357	6357	100.00	36726	36726	100.00
	CPDCL															
6	KRISHNA	959	959	100.00	0	0	0.00	2729	2729	100.00	2488	2488	0.00	6176	6176	100.00
7	GUNTUR	1255	1255	100.00	192	192	100.00	2547	2547	100.00	840	840	100.00	4834	4834	100.00
8	PRAKASAM	1241	1241	100.00	82	82	100.00	3490	3490	100.00	1369	1369	100.00	6182	6182	100.00
	TOTAL for EPDCL	3455	3455	100.00	274	274	100.00	8766	8766	100.00	4697	4697	100.00	17192	17192	100.00
	SPDCL															
9	SPS NELLORE	1346	1346	100.00	0	0	0.00	4639	4639	100.00	1237	1237	100.00	7222	7222	100.00
10	CHITTOOR	7702	7702	100.00	136	136	100.00	4366	4366	100.00	3115	3115	100.00	15319	15319	100.00
11	KADAPA	2158	2158	100.00	5	5	100.00	2270	2270	100.00	1954	1954	100.00	6387	6387	100.00
12	ANANTAPUR	1766	1766	100.00	217	217	100.00	3036	3036	100.00	1729	1729	100.00	6748	6748	100.00
13	KURNOOL	779	779	100.00	88	88	100.00	2253	2253	100.00	2243	2243	100.00	5363	5363	100.00
	TOTAL for SPDCL	13751	13751	100.00	446	446	100.00	16564	16564	100.00	10278	10278	100.00	41039	41039	100.00
	STATE TOTAL	30103	30103	100.00	8267	8267	100.00	35253	35253	100.00	21332	21332	100.00	94957	94957	100.00

**8.3-AGRICULTURAL SERVICES RELEASED IN ANDHRA PRADESH
AS ON 31-03-2022**

S. No.	DISCOM/DISTRICT	Total Agl. services released as on 31-03-2021	Agl. services released during 2021-22	Total Agl. services released as on 31-03-2022**
EPDCL				
1	SRIKAKULAM	27200	2474	29451
2	VIZIANAGARAM	45907	3459	43876
3	VISAKHAPATNAM	45153	1827	47409
4	EAST GODAVARI	49993	3022	60903
5	WEST GODAVARI	103962	3164	122050
TOTAL		272215	13946	303689
CPDCL				
6	KRISHNA	118307	3076	124245
7	GUNTUR	111183	6011	121789
8	PRAKASAM	191768	9835	184377
TOTAL		421258	18922	430411
SPDCL				
9	SPS NELLORE	187370	729	186722
10	CHITTOOR	326289	4323	264317
11	KADAPA	174677	4067	159347
12	ANANTAPUR	303826	24383	293940
13	KURNOOL	201475	4906	187053
TOTAL		1193637	38408	1091379
STATE TOTAL		1887110	71276	1825479

** Agricultural services were reconciled for the FY 2021-22

**8.4 - YEAR- WISE AND CUMULATIVE NUMBER OF AGRICULTURAL PUMP-SETS
ENERGISED IN THE A.P.STATE.
(Including R.E.Co-operatives)
(1960 - 2022)**

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

S. No.	Year	Year -wise Number of Agriculture pump-sets energised	Cumulative Number of Agricultural pump-sets energised
1	2	3	4
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
59	2019-20	66652	1812376
60	2020-21	74734	1887110
61	2021-22 **	71276	1825479
☆	Pumpsets Energised by RESCOs only.		

** Agricultural pump-sets were reconciled for the FY 2021-22

8.5 YEAR- WISE REC SCHEMES AS ON 31.03.2022

(Rs.In Crores)

Sl. No	Year	No.of Schemes Sanctioned	Loan Amount Sanctioned by		Loan Amount Released by	
			REC	Banks	REC	Banks
1	1969-70	2	0.91	--	--	--
2	1970-71	8	5.52	--	1.07	--
3	1971-72	5	2.89	--	3.02	--
4	1972-73	16	5.74	--	3.58	--
5	1973-74	37	6.96	--	5.46	--
6	1974-75	33	7.99	--	4.72	--
7	1975-76	28	8.11	--	4.76	--
8	1976-77	24	7.79	--	6.29	--
9	1977-78	33	9.86	--	8.45	--
10	1978-79	70	14.68	10.865	10.33	--
11	1979-80	48	6.83	6.100	11.30	3.43
12	1980-81	91	16.81	15.460	12.16	6.97
13	1981-82	75	14.55	15.887	12.67	7.20
14	1982-83	101	22.68	24.402	14.34	12.80
15	1983-84	167	39.14	39.436	16.51	16.63
16	1984-85	165	39.03	26.242	13.06	25.88
17	1985-86	171	30.12	43.020	36.01	28.78
18	1986-87	281	54.16	63.964	43.30	46.25
19	1987-88	376	96.83	57.551	60.61	49.69
20	1988-89	305	61.65	84.538	46.42	51.64
21	1989-90	217	43.04	33.880	45.63	57.28
22	1990-91	206	53.75	37.621	52.38	39.01
23	1991-92	137	55.66	24.793	26.12	40.04
24	1992-93	357	80.94	43.171	45.08	42.49
25	1993-94	509	97.98	112.803	100.00	64.80
26	1994-95	551	146.64	149.837	127.10	120.72
27	1995-96	50	40.86	--	56.01	43.70
28	1996-97	22	24.91	--	37.93	3.71
29	1997-98	32	34.22	--	6.85	-
30	1998-99	135	229.53	--	105.79	-
31	1999-2K	18	63.41	--	95.55	--
32	2000-01	293	878.21	--	399.09	--
33	2001-02	123	912.89	--	414.70	--
34	2002-03	181	978.61	--	726.40	--
35	2003-04	365	1327.55	--	967.04	--
36	2004-05	256	687.00	--	870.07	--
37	2005-06	116	2062.91	--	600.44	--
38	2006-07	122	1272.05	--	605.34	--
39	2007-08	102	1399.64	--	944.38	--
40	2008-09	77	632.18	--	732.25	--
41	2009-10	91	1449.58	--	1152.66	--
42	2010-11	75	1416.53	--	1208.08	--
43	2011-12	175	2854.17	--	1103.84	--
44	2012-13	140	3389.05	--	2933.50	--
45	2013-14	416	5202.59	--	1542.21	--
46	2014-15	48	700.12	--	7.83	--
47	2015-16	22	2958.27	--	667.57	--
48	2016-17	43	2323.95	--	2197.26	--
49	2017-18	44	5108.19	--	3261.76	--
50	2018-19	41	3701.43		2538.47	
51	2019-20	11	583.05	--	73.41	--
52	2020-21	9	738.56	--	141.11	
53	2021-22	25	1227.88	-	411.64	-
	T O T A L	7045	43127.60	789.57	24511.55	661.03

8.6 ACCIDENTS

Sl.No	Category	1982-83	83-84	84-85	85-86	86-87	87-88	88-89	89-90	90-91	91-92	92-93	93-94	94-95	95-96	96-97	97-98	01-02 (*)	02-03 (*)	03-04 (*)	04-05 (*)	05-06 (*)	06-07 (*)
1.	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	22	23	24	25	26	27
1.	DEPARTMENTAL																						
	A) Fatal	39	36	20	24	43	40	29	44	39	59	45	39	32	38	35	39	60	55	65	79	77	108
	B) Non-Fatal	160	135	89	89	52	86	80	91	82	119	123	81	82	98	83	73	43	61	61	47	40	34
	Total	199	171	109	113	95	126	109	135	121	178	168	120	114	136	118	112	103	116	126	126	117	142
2.	NON-DEPARTMENTAL																						
	A) Fatal	133	104	72	88	150	158	150	142	186	121	202	309	15	11	309	300	250	442	549	510	595	472
		(a-60)	(a-58)	(a-62)	(a-73)	(a-87)	(a-105)	(a-80)	(a-105)	(a-135)	(a-103)	(a-195)	(a-229)	-	-	(a-346)	(a-101)						
	B) Non-Fatal	51	31	24	43	33	29	54	46	13	2	4	28	20	11	56	42	73	96	150	120	142	78
	Total	184	135	96	131	183	187	204	188	199	123	206	337	35	22	365	342	323	538	699	630	737	550
3.	GRAND TOTAL																						
	A) Fatal	172	140	92	112	193	198	179	186	225	180	247	348	47	49	344	339	310	497	614	589	672	580
	B) Non-Fatal	211	166	113	132	85	115	134	137	95	121	127	109	102	109	139	115	116	157	211	167	182	112
	Total	383	306	205	244	278	313	313	323	320	301	374	457	149	158	483	454	426	654	825	756	854	692

Sl. No.	Category	98-99	99-2K (*)	2000-01 (*)	07-08 (*)	08-09	09-10	10-11	11-12	12-13	13-14	14-15 #	15-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22
1.	DEPARTMENTAL	19	20	21	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42
	A) Fatal	33	52	64	66	71	101	178	343	171	27	18	317	22	13	7	18	17	20
	B) Non-Fatal	71	24	34	68	83	88	63	75	65	40	13	87	8	20	22	14	29	39
	Total	104	76	98	134	154	189	241	418	236	67	31	404	30	33	29	32	46	59
2.	NON-DEPARTMENTAL																		
	A) Fatal	277	177	307	673	887	826	774	554	903	895	391	114	265	598	610	576	673	442
		(a-90)											(a-212)	(a-200)	(a-312)	(a-347)	(a-323)	(a-192)	(a-265)
	B) Non-Fatal	46	34	40	117	166	195	161	87	123	133	68	12	10	90	126	27	75	76
	Total	323	211	347	790	1053	1021	935	641	1026	1028	459	126	275	688	736	603	748	518
3.	GRAND TOTAL																		
	A) Fatal	310	229	371	739	958	927	952	897	1074	922	409	431	287	611	617	594	690	462
	B) Non-Fatal	117	58	74	185	249	283	224	162	188	173	81	99	18	110	148	41	104	115
	Total	427	287	445	924	1207	1210	1176	1059	1262	1095	490	530	305	721	765	635	794	577

a = Animal

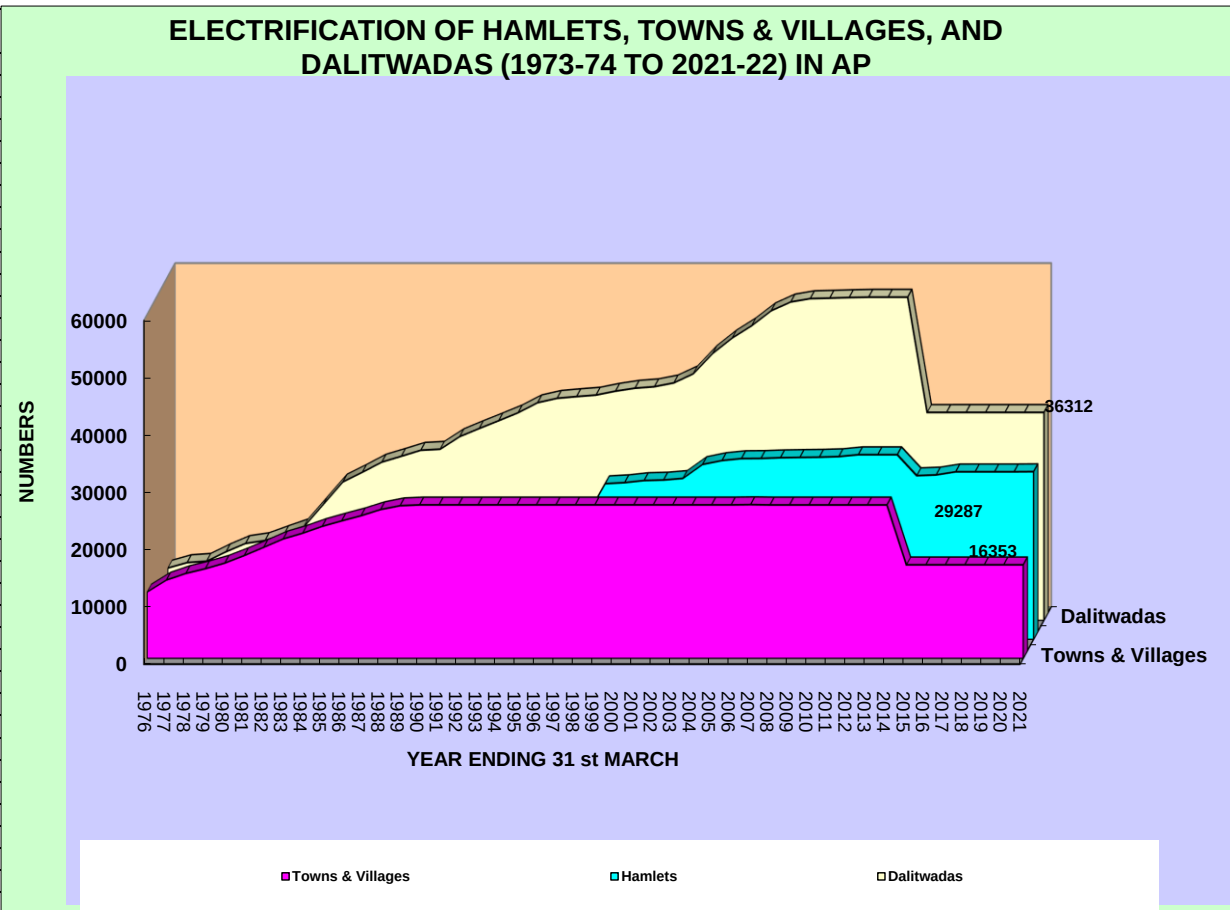
NOTE: Fatal accidents to animals indicated at (a) above is not included in the total of Non- departmental accidents and in Grand total.

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

Data for residual AP(Transco &Discoms)

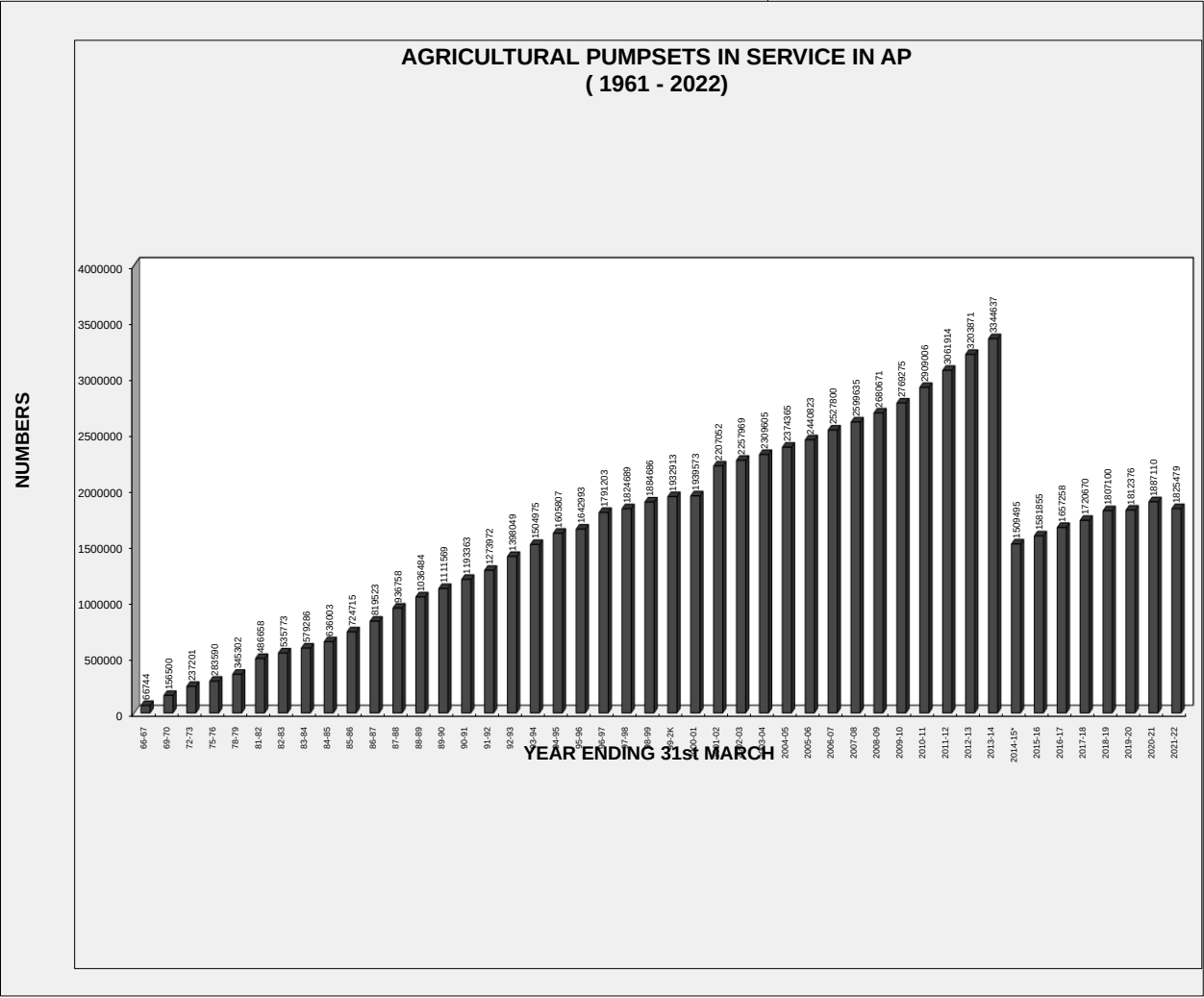
Year	Hamlets	Towns & Villages	Dalitwadadas
1974	5086	10485	8146
1975	5357	10654	8501
1976	5377	11582	9121
1977	5514	13694	10085
1978	5753	14851	10318
1979	6123	15677	11979
1980	6568	16659	13433
1981	7243	17978	13935
1982	7798	19414	15169
1983	8310	20885	16348
1984	8875	21885	20264
1985	9681	23078	24180
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
2020	29287	16353	36312
2021	29313	16353	36315
2022	30103*	16353	35253*

*No. of Hamlets and Dalitwadadas were reconciled



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
2019-20	1812376
2020-21	1887110
2021-22	1825479

* 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 Voluntry Loans, Contributions)	11.31	13.45	10.04	36.75	172.23	296.94	159.32	458.34	483.78	38.06	162.96
7.	P.F.C	4.34	17.02	28.74	42.67	58.42	76.98	323.63	73.99	78.73	38.06	20.13
8.	Industrial Development Bank of India	26.37	29.34	37.51	59.04	80.25	150.36	96.64	364.11	92.56	52.12	133.58
9.	others(OsmaniaUniversity & SIDBI)											
	TOTAL CAPITAL OUTGOINGS	617.00	782.18	1068.76	1275.53	1669.90	2113.07	1789.21	2159.37	2045.18	462.96	1833.48
B	CAPITAL RECEIPTS											
1.	Government Loans	270.9	318.5	404.55	505.68	463.32	632.37	547.33	988.49	1319.39	397.24	1368.16
2.	C E A	--	--	--	--	--	--	--	-	-	-	-
3.	Open Market Loan	--	--	--	--	--	--	--	500	600	410.63	2602.61
4.	REC (SPA & Inventory)(@)	98.89	83.48	89.26	164.8	250.82	171.91	45.35	64.98	379.01	265.57	513.03
5.	L.I.C	10.03	31.03	62.13	68.95	55.57	34.88	26.62	-	-	-	-
6.	Banks & Others including Voluntary Loan Repayment	5.4	0.45	67.93	259.77	344.99	311.96	208.91	494.25	280.51	87.59	234.74
7.	I.D.B.I.	17.24	33.71	32.96	161.47	307.34	82.21	30.74	329.06	26.58	18.03	347.23
8.	P.F.C.(@)	83.84	138.28	167.84	175.2	323.89	313.46	256.57	79.48	131.06	24.54	62.78
9.	B.H.E.L./SIDBI	--	--	53.21	51.69	45.10	274.67	91.57	86.9	-	-	-
10.	Assistance from Central sponsored Scheme	--	--	--	--	--	--	--	-	-	-	-
11.	Contribution to Depreciation	94.45	115.25	147.42	166.06	266.19	303.81	413.91	435.21	414.51	44.92	301.69
12.	Reserve (Consumer Contribution of Service Connection) Lines other than Revenue Cap-Appropriated for repayment of Loans	38.43	60.17	61.53	55.9	76.91	76.15	164.62	140.23	-309.47	32.17	157.55
13.	Contribution to general reserve utilisation of Cash Balance	--	--	--	--	--	--	--	-	-	-	-
14.	Provident Fund/Pension/Gratuity	9.52	15.11	14.38	11.84	14.28	27.45	0.78	13	-196.7	11.57	57.07
15.	Debts & Deposition (Consumer Deposits)	38.2	32.34	59.21	86.92	61.54	56.32	121.64	79.39	101.27	12.15	67.62
16.	Regularisation of Agl.pumpsets	--	6.25	--	--	--	--	--	-			
	TOTAL	666.9	834.57	1160.42	1708.28	2209.95	2285.19	1908.04	3210.99	2746.16	1304.41	5712.48

* TRANSCO including DISCOMS

@ including short term borrowings.

1. The loan repayments to Government amounting to Rs 694.42 crs have been swapped by availing REC loan during FY 2003-04 . Hence, the same are included under both repayments and receipts.
2. Open market borrowing of GOAP to discharge 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.pumpsets						0									
17.	Bank of Maharashtra (for swapping of Govt. loan)						34.96									
18.	Internal Resources						16.2	90.36	41.4	59	282.85	30.05	-137.28	255.44	638.27	237.27
	TOTAL	832.87	1132.49	1662.70	2048.12	587.52	634.41	688.33	697.74	840.49	1208.83	1413.00	1547.24	1509.14	1812.28	1188.41

@ including short term borrowings.

budget

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

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

9.1 PATTERN OF FINANCING (APTRANSCO)

Rs. Crores

SL.No.	Description	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22
A.	CAPITAL EXPENDITURE	968.70	2148.45	2300.44	1412.15	1966.89	1387.65	1077.89	853.51
A1.	DEBT REPAYMENT								
1.	Government (From 2004-05 excl. Swapping)	2.14	2.14	2.43	1.72	4.73	0	15.73	48.54
2	REC Ltd	51.87	75.28	100.31	191.7	363.04	474.13	683.5	702.58
3	PFC Ltd	84.94	39.65	48.58	47.69	39.99	44.07	166.6	365.84
4	others./Banks	80.76	76.05	235.04	60.75	323.17	79.6	52.27	69.54
	TOTAL CAPITAL OUTGOINGS	1188.41	2341.57	2686.80	1714.01	2697.82	1985.45	1995.99	2040.01
B	CAPITAL RECEIPTS								
1.	Government Loans	0.00	0.00	0	268.14	119.21	0	0	297.66
2.	C E A								
3.	Open Market Loan								
4.	REC	511.87	1096.04	1002.21	758.14	1305.95	917.03	902.7	425.48
5.	L.I.C								
6.	Banks & Others including Voluntary Loan Repayment	151.05	154.88	236.19	73.67	81.53	18.73	6.39	0
7.	I.D.B.I.								
8.	P.F.C.	35.33	185.02	214.26	64.4	203.96	37.87	74.95	18.03
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	613.88	658.84	676.76
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	235.77	22.59	34.11
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	162.17	330.52	587.96
	TOTAL	1188.41	2341.57	2686.80	1714.01	2697.82	1985.45	1995.99	2040.00

9.2 Abstract Balance Sheet (T+D (EPDCL+SPDCL+CPDCL)) as on

(Rs. in Crores)

Particulars	Total (T+D)	Particulars	Total (T+D)
<u>LIABILITIES:</u>		<u>ASSETS</u>	
Loans from Government	785.31	Fixed Assets	44375.77
Equity from Government	934.49	Accumulated Depreciation	(19897.56)
Deferred Tax Liability	3.72	Works-in-progress	7139.49
Cash Credit, OD & other short term borrowings	7242.33	Other Assets	782.91
Other Grants	8415.27		
Consumer Contribution	3415.27	Investments	354.96
Long term Capital Liabilities		Equity in Joint Ventures	300.11
APSEB Bonds & Vidyut Bonds	0.00	Others	
PTC	40.67	Current Assets	
REC & SPA	14545.69	Stocks	711.28
PFC	6461.25	Cash and Bank Balances	921.37
Inter Corporate Funds	0.00	Receivable against supply of power	14902.09
NABARD	66.52	Loans and Advances	17443.68
Banks & Others	13315.51	Sundry Receivables	15403.59
Long Term Provisions	6491.23	Deferred Tax Asset	0.00
Other Long term liabilities	5017.47		
Reserves and Reserve Fund			
Reserves	3927.22		
Reserve Funds (PF & Pen.SF)	404.22		
Security Deposit from Consumers	4629.88		
Current Liabilities	36156.06		
Surplus	(29414.42)		
Total Liabilities:	82437.69	Total Assets:	82437.69

9.2 Abstract Balance Sheet (T+D(EPDCL+SPDCL+CPDCL)) as on 31st March 2022

(Rs. in Crores)

Particulars	Transco	EPDCL	SPDCL	CPDCL	Total (T+D)	Particulars	Transco	EPDCL	SPDCL	CPDCL	Total (T+D)
<u>LIABILITIES:</u>						<u>ASSETS</u>					
Loans from Government	620.50	155.33	9.48		785.31	Fixed Assets	15248.79	7245.61	14097.87	7783.50	44375.77
Equity from Government	454.44	121.23	358.72	0.10	934.49	Accumulated Depreciation	(6508.53)	(2130.64)	(7391.96)	(3866.43)	(19897.56)
Deferred Tax Liability	1.52	2.20	0.00	0.00	3.72	Works-in-progress	2868.26	379.40	2327.34	1564.49	7139.49
Cash Credit/OD & other short term borrowings REC	897.07	1152.54	4208.85	983.87	7242.33	Other Assets	518.69	2.73	245.30	16.19	782.91
Other Grants	568.83	3617.94	2765.50	1463.00	8415.27	Investments					
Consumer Contribution	718.2	2125.17		571.90	3415.27	Equity in Joint ventures and Subsidiaries	1.92	146.75	103.91	102.38	354.96
Long term Capital Liabilities						Others	124.20	95.27	80.64		300.11
APSEB Bonds & Vidyut Bonds					0.00	Current Assets					
PTC		27.25		13.42	40.67	Stocks	142.16	125.04	192.57	251.51	711.28
REC	4002.79	1978.43	5416.57	3147.90	14545.69	Other current Assets	770.03	86.39	9841.64	4204.03	14902.09
PFC	621.28	1583.40	2712.28	1544.29	6461.25	Cash and Bank Balances	107.27	296.52	450.14	67.44	921.37
Inter Corporate Funds					0.00	Loans and Advances	205.31	9350.97	4962.55	2924.85	17443.68
NABARD	66.52				66.52	Sundry Receivables	2049.72	3241.66	8277.49	1834.72	15403.59
Banks & Others	123.76	3891.12	6207.12	3093.51	13315.51						
Long term provisions	1378.83	898.37	2761.40	1452.63	6491.23						
Other long term liabilities	151.39	319.83	3192.03	1354.22	5017.47						
Reserves and Reserve Fund											
Reserves	1014.04	85.30	292.07	2535.81	3927.22						
Reserve Funds (PF & Pen.SF, CR)	253.55	107.24	25.05	18.38	404.22						
Security Deposit from Consumers		2351.79	2278.09		4629.88						
Current Liabilities	2789.12	7680.20	16775.15	8911.59	36156.06						
Surplus	1865.98	(7257.64)	(13814.82)	(10207.94)	(29414.42)						
Total Liabilities:	15527.82	18839.70	33187.49	14882.68	82437.69	Total Assets:	15527.82	18839.70	33187.49	14882.68	82437.69

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

9.3 REVENUE RECEIPTS & EXPENDITURE

(Rs.in crores)

Sl.No.	Details	1999-2K	2K-01	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16
A)	REVENUE RECEIPTS																	
	1.By sale of Power	4535.45	5591.77	5870.13	7396.96	7654.17	9169.99	8875.17	9979.74	11695.67	12838.68	15491.23	19303.29	23575.8	27068.49	29622.66	16915.67	18709.98
	By sale of power-Inter state	6.82	3.59	2.76	130.15	91.57	110.52	721.60	524.11	987.15	835.3	638.73	1053.81	691.47	581.98	1321.25	581.16	564.17
	2.Miscellaneous(including NTI&ED)	414.20	476.57	510.03	1052.18	1722.01	1005.71	1165.28	642.37	664.76	593.76	724.43	859.48	1093.4	1271.19	1157.58	338.28	400.05
	3.Subsidy	3064.42	2935.68	2457.00	1509.38	1513.49	1303.27	1599.48	1956.07	2866.39	7979.56	6709.1	5855.72	8125.64	5531.67	6305.57	3125.2	3186
	4.Transmission and SLDC Charges (Annuual fee,Open Access)								9.73	23.64	43.71	37.29	54.08	97.56	138.23	217.83	1089.99	842.6
	5.Other income								478.29	529.63	606.61	613.02	695.52	624.95	768.41	562.46	1493.63	774.65
	6.Capital contribution								356.72	189.74	171.86	294.84	366.65	411.61	487.5	712.91	355.07	397.81
	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	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	2019-20	2020-21	2021-22
A)	REVENUE RECEIPTS							
	1.By sale of Power	18709.98	20304.16	23949.72	26596.22	27814.48	30613.3	34022.77
	By sale of power-Inter state	564.17	191.04	570.46	774.07	10.92	0.58	46.82
	2.Miscellaneous(including NTI&ED)	400.05	489.7	589.13	431.93	718.01	1480.39	651.24
	3.Subsidy	3186	3289.42	4679.08	6193.74	9700.88	10265.44	8045.75
	4.Transmission and SLDC Charges	0	0	0	0	0	186.63	0
	5.Transmission and SLDC Charges (Annual fee,Open Access)	842.6	981.96	1432.71	1576.75	2020.93	2546.34	2574.49
	6.Other income	774.65	1034.65	1041.36	1576.66	1952	1853.5	2581.25
	7.Capital contribution	397.81	458.16	535.63	656.19	721.22	695.89	731.65
	TOTAL (A)	24875.26	26749.09	32798.09	37805.56	42938.44	47642.07	48653.97
B)	REVENUE EXPENDITURE							
	1.Power Purchase	21745.39	22447.31	25435.28	39036.79	31084.39	33290.56	37873.49
	2.O&M Expenses	225.96	725.37	657.81	927.98	901.42	833.05	919.09
	3.Establishment, General & office expenses	3073.82	2503.05	3110.49	5351.76	6005.28	8014.49	6196.17
	4.State Electricity Duty.	182.6	196.38	128.93	239.41	260.9	249.81	283.88
	5.Others (RBDD)							
	6. Prior period Charges(Credits)	(1.60)	73.44	0	0	0	0	0
	7 Expenses capitalised							
	8.Incentive to HT Consumers	0	0	0	0	0	0	0
	9.other debits	21.75	96.9	127.86	333.42	137.35	89.07	0
	10.Transmission and SLDC Charges	723.4	0	0	0	0	0	
	TOTAL (B)	25971.32	26042.45	29460.37	45889.36	38389.34	42476.98	45272.63
C)	GROSS OPERATING RESULTS (A-B)	(1096.06)	706.64	3337.72	(8083.80)	4549.10	5165.09	3381.34
	OTHER EXPENSES							
	1.Depreciation	1263.36	1425.49	1598.09	1836.07	2163.42	2192.52	2309.72
	2.Balance Surplus	(2359.42)	(718.85)	1739.63	(9919.87)	2385.68	2972.57	1071.62
	(Less Depreciation)							
	3.Interest Charges :							
	a)On Loans from Institutional creditors	1651.48	958.36	1381.22	1599.13	2165.31	2098.68	2333.02
	b)On Loans from State Government	0.48	685.06	518.81	645.72	474.93	882.4	1170.7
	c)Less: IDC	246.15	102.73	284.22	296.24	196.65	220.55	291.46
	TOTAL Interest charges	1405.81	1540.69	1615.81	1948.61	2443.59	2760.53	3212.26
	Extraordinary items	0	86.83	0.00	0.00	0.00		
	Contingency Reserve	2.55	2.42	2.52	0	0	0	
	TOTAL SURPLUS/LOSSES	(3767.78)	(2175.13)	121.30	(11868.48)	(57.91)	212.04	(2140.64)
	MAT credit entitlement of earlier years	28.59	24.11	13.89	4.54	7.24	57.21	4.22
	Provision for Tax	28.59	33.47	35.92	4.54	7.24	44.2	58.9
	Provision for deferred tax	48.51	53.01	65.98	(4.23)	(21.68)	149.97	11.74
	NET SURPLUS/ (DEFICIT)	(3816.29)	(2237.50)	33.29	11864.25	(36.23)	260.60	(2215.50)

9.3. (A) Revenue Receipts and Expenditure (T+D(EPDCL+SPDCL+CPDCL)) for the year 2021-22

(Rs in crores)

Particulars	TRANSCO	EPDCL	SPDCL	CPDCL	Total (D)	Total (T+D)
<u>A. Revenue Receipts</u>						
Sale of Power	0.00	11729.69	14690.94	7602.14	34022.77	34022.77
Sale of Power - Interstate/UI/inter Discom	0.00	16.94	18.94	10.94	46.82	46.82
Miscellaneous	0.00	494.95	124.18	32.11	651.24	651.24
Transmission & SLDC Charges - Discoms	0.00	0.00	0.00	0.00	0.00	0.00
Transmission & SLDC Charges - others (incl. Annual fee, Open Access)	2574.49	0.00	0.00		0.00	2574.49
Capital Contributions	78.59	206.91	255.40	190.75	653.06	731.65
Other income	108.66	832.85	1088.44	551.30	2472.59	2581.25
Subsidy	0.00	2901.25	3649.00	1495.50	8045.75	8045.75
Total Revenue:	2761.74	16182.59	19826.90	9882.74	45892.23	48653.97
<u>B. Revenue expenditure:</u>						
Purchase of power	0.00	12894.95	17147.75	7830.79	37873.49	37873.49
Transmission & SLDC Charges	0.00	0.00	0.00		0.00	0.00
O & M Expenses	277.25	205.56	288.28	148.00	641.84	919.09
Establishment (incl. Adm & Gen. Exp)	936.81	1271.37	2684.09	1303.90	5259.36	6196.17
State Electricity Duty	0.00	120.21	92.88	70.79	283.88	283.88
Incentive to HT consumers	0.00	0.00	0.00		0.00	0.00
Other Debits	0.00	0.00	0.00		0.00	0.00
Prior Period Charges/ (Credits)	0.00	0.00	0.00		0.00	0.00
Total B	1214.06	14492.09	20213.00	9353.48	44058.57	45272.63
Gross operating results (A - B)	1547.68	1690.50	(386.10)	529.26	1833.66	3381.34
<u>C. Other Expenses:</u>						
Depreciation	755.35	349.88	748.28	456.21	1554.37	2309.72
Balance Surplus (Less Depreciation)	792.33	1340.62	(1134.38)	73.05	279.29	1071.62
Interest & finance Charges						
On loans from Institutions & others	599.15	943.84	676.67	113.36	1733.87	2333.02
from State Govt.	0.00	0.00	375.26	795.44	1170.70	1170.70
Less: IDC	124.50	0.00	132.07	34.89	166.96	291.46
Total Interest & finance Charges	474.65	943.84	919.86	873.91	2737.61	3212.26
Extraordinary items	0.00				0.00	0.00
Contingency Reserve	0.00	0.00	0.00		0.00	0.00
Total Surplus	317.68	396.78	(2054.24)	(800.86)	(2458.32)	(2140.64)
MAT credit entitlement of earlier years	4.22	0.00	0.00		0.00	4.22
Provision for Tax/(MAT credit)	58.90	0.00	0.00	0.00	0.00	58.90
Provision for Deferred Tax/(Deferred Tax Asset)	11.74	0.00	0.00		0.00	11.74
Net Surplus / (Deficit)	242.82	396.78	(2054.24)	(800.86)	(2458.32)	(2215.50)

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

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

contd..

9.4 PERCENTAGE OF INCOME AND EXPENDITURE FOR THE PERIOD (1999-2000 TO 2014-15)

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

9.4 PERCENTAGE OF INCOME AND EXPENDITURE (T+D(EPDCL+SPDCL+CPDCL))FOR THE PERIOD (2014-15 TO 2021-22)

Sl.No.	I t e m s	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22
		%	%	%	%	%	%	%	%
A)	REVENUE RECEIPTS								
1	By Sale of Power	70.78	75.22	75.91	73.02	70.35	64.78	64.26	69.93
1(a)	By interstate sale of power	2.43	2.27	0.71	1.74	2.05	0.03	0	0.1
2	Miscellaneous	1.42	1.61	1.83	1.8	1.14	1.67	3.11	5.29
3	Subsidy	13.08	12.81	12.3	14.27	16.38	22.59	21.55	1.5
4	Others	6.25	3.11	3.87	3.18	4.17	4.55	3.89	1.34
5	Capital Contributions	1.49	1.6	1.71	1.63	1.74	1.68	1.46	5.31
6	Transmission and SLDC Charges	4.56	3.39	3.67	4.37	4.17	4.71	0.39	16.54
7	Transmission and SLDC Charges (Incl.Anuual fee,Open Access)							5.34	0
	TOTAL (A)	100.0	100.0	100.0	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	72.33	70.26	74.45
2	O&M Expenses	1.42	0.79	2.50	2.02	1.87	2.10	1.76	1.81
3	Establishment, General & office Exp Central Electricity/ State Electricity	13.32	10.73	8.63	9.52	10.77	13.97	16.91	12.18
4	Duty	0.62	0.64	0.68	0.39	0.48	0.61	0.53	0.56
5	Net prior period charges	0.00	(0.01)	0.25	0.00	0.00	0.00	0.00	0.00
6	Expenses capitalised								0.00
7	Others	0.69	0.08	0.33	0.39	0.67	0.32	0.19	0.00
8	Incentives to HT consumers	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	Transmission and SLDC Charges	2.99	2.53	0.00	0.00	0.00	0.00	0.00	0.00
C)	OTHER EXPENSES								
1	Depreciation	4.29	4.41	4.91	4.89	3.70	5.03	4.63	4.54
2	Interest Charges	4.05	4.91	5.31	4.94	3.92	5.69	5.83	6.31
3	Taxes	0.00	0	0.00	0.00	0.00	(0.05)	(0.10)	0.15
4	Contingency Reserve	0.01	0.01	0.01	0.01	(0.01)	0.00	0.00	0.00
	TOTAL (B + C)	100.0	100.0	100.0	100.00	100.00	100.00	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 (PAISE / KWH)					Avg. Cost of Purchase of Power (PAISE / KWH)			
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
39	2019-20			438.00	2019-20	438.00	461.00	454.00
40	2020-21			459.00	2020-21	459.00	497.00	488.00
41	2021-22			416.00	2021-22	416.00	534.00	498.00

* 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
20	2019-20	83.23	346.26	677.00	492.68
21	2020-21	111.01	343.87	711.22	477.12
22	2021-22	88.46	352.93	1946.14	976.64

9.6 COST OF COAL AS ON 31-03-2022				
Sl.No.	Thermal Station	Source of supply	(Rs. / Metric Ton)	GRADE
1	R.T.P.P	SCCL		
		Yellandu	2710.72	G15
		Ramagundam	3950.58	G11
			3153.08	G13
			5503.01	G8
		Manuguru	2691.63	G15
		Rudrampur	3203.70	G13
			5678.13	G8
		Ramakrishnapuram	3900.52	G11
		Srirampur	4479.98	G10
			5460.53	G9
			5746.39	G9
		Tadikalapudi	3420.54	G12
	MCL	MCL		
		Ananta OCM	1779.97	G12
		Balram OCM	1694.81	G13
		Belpahar OC Mine	1608.63	G14
		Bharathpur OC Mine	1694.47	G13
		Bhubaneswari OC Mine	1780.40	G12
		Garjanbahal OC Mine	1797.61	G14
		Hingula OCM	1693.54	G13
		Hingula OCM	1660.08	G14
		Jagannath OC Plant	1780.83	G12
		Kulda OC Mine	1883.45	G13
		Lajkura OCM	1608.63	G14
		Lakhanpur OC Mine	1634.00	G14
		Lingaraj OC Mine	1694.47	G13
		Samleswari OCM	1608.63	G14
2	Dr.NTTPS	SCCL		
		Yellandu	2918.93	G15
		Rudrampur	3217.80	G13
		Manuguru	6042.75	G7
		Manuguru	4276.21	G10
		Manuguru	2683.84	G13
		Manuguru	2741.11	G15
		Ramagundam,	5522.01	G8
		Ramagundam,	3169.78	G13
		Ramagundam,	3959.35	G11
		MANDAMARRI	4310.33	G10
		MANDAMARRI	3928.95	G11
		MANCHIRYEL	5477.36	G9
		MANCHIRYEL	4510.32	G10
		Tadikalapudi	3435.91	G12
	MCL	MCL		
		Jaganath(Talcher)	1780.31	G12
		Anantha/Bharatput(Talcher)	1780.31	G12
		Bharatpur (Talcher)	1670.32	G13
		Bharatpur (Talcher)	1660.08	G14
		Bharatpur by Rd(Talcher)		
		Lajkura(IB)	1660.08	G14
		Belpahar	1660.08	G14

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

9.7 COST OF OILS AS ON 31-03-2022				
		Furnace Oil (Rs/Kl)	HSD Oil (Rs/Kl)	LDO(Rs/Kl)
1	(Dr.NTTPS) V.T.P.S	47771.87	-	58371.04
2	R.T.P.P	58326.16	-	74262.77

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

9.8 Average Realisation from Sale of Power During FY 2021-22												
Category	EPDCL			SPDCL			CPDCL			TOTAL		
	Sales (MU)	Revenue (Rs.Crs)	Average Realisation Rs/kwh	Sales (MU)	Revenue (Rs.Crs)	Average Realisation Rs/kwh	Sales (MU)	Revenue (Rs.Crs)	Average Realisation Rs/kwh	Sales (MU)	Revenue (Rs.Crs)	Average Realisation Rs/kwh
LT Categories												
Domestic	6737.60	2349.56	3.49	5300.16	1748.92	3.30	5309.77	2091.87	3.94	17347.53	6190.35	3.57
Non - Domestic	1084.81	1008.84	9.30	964.39	965.73	10.01	919.64	956.52	10.40	2968.84	2931.09	9.87
Industrial	442.32	389.37	8.60	569.86	440.15	7.72	516.89	417.15	8.07	1529.07	1246.67	8.15
Institutions/STLs CAT,IV	392.73	301.59	7.68	709.15	554.23	7.82	312.15	257.17	8.24	1414.03	1112.99	7.87
Agriculture, LIS, Aqua, Poultry etc.,	4013.36	396.70	0.99	7140.45	281.50	0.39	1218.57	416.31	3.42	12372.38	1094.51	0.88
Total LT Categories	12670.82	4446.06	3.51	14684.01	3990.53	2.72	8277.02	4139.02	5.00	35631.85	12575.61	3.53
HT Categories												
Townships & Colonies CAT. 1	30.37	22.34	7.36	17.75	12.77	7.19	11.65	90.51	77.75	59.77	125.62	21.02
Commercial Cat.II & Others	733.99	788.26	10.74	385.75	390.22	10.12	358.42	4053.92	113.11	1478.16	5232.40	35.40
General Industries - Cat III	8637.26	5685.42	6.58	5805.83	4043.75	6.96	3028.14	22751.46	75.13	17471.23	32480.63	18.59
Institutional (Religious, Rly, PWS) Cat IV	965.20	725.01	7.51	808.62	638.25	7.89	477.30	3839.79	80.45	2251.12	5203.05	23.11
Agriculture	92.06	62.61	6.80	1003.12	807.44	8.05	99.20	627.50	63.25	1194.38	1497.55	12.54
RESCOs			0.00	468.04	71.59	1.53	0.00	0.00	0.00	468.04	71.59	1.53
Total HT Categories	10458.88	7283.64	6.96	8489.11	5964.02	7.03	3974.71	31363.18	78.91	22922.70	44610.84	19.46
Total (LT + HT)	23129.70	11729.70	5.07	23173.12	9954.55	4.30	12251.73	35502.20	28.98	58554.55	57186.45	9.77

9.9 REVENUE FROM SALE OF POWER

(Rs. in Crores)

Financial Year	L.T.CATEGORY								Total L.T	Total H.T.	Rebate to New Indust	Others(Inter state and UI)	TOTAL REVENUE
	I	II	III	IV	V	VI	VII	VIII					
1983-84	45.99	28.36	31.37	0.26	14.18	3.82	1.34	0.21	125.53	253.58	--		379.11
1984-85	48.19	30.31	36.08	0.29	14.42	4.13	1.56	0.20	135.18	359.74	--		494.92
1985-86	56.61	32.73	39.96	0.35	14.32	4.53	1.71	0.23	150.44	391.26	--		541.70
1986-87	66.02	36.39	41.50	0.40	16.31	5.01	1.70	0.35	167.68	412.86	--		580.54
1987-88	80.26	42.63	54.63	0.39	18.78	5.58	2.33	0.34	204.94	495.59	--		700.53
1988-89	94.97	47.77	63.90	0.44	19.08	6.18	2.94	0.34	235.62	571.59	--		807.21
1989-90	120.77	57.61	84.79	0.54	22.33	7.58	3.80	0.78	298.20	685.01	12.29		970.92
1990-91	151.38	68.97	104.86	0.95	18.05	8.52	4.40	0.41	357.54	864.30	11.64		1210.20
1991-92	190.51	85.55	131.88	1.22	22.84	9.66	5.30	0.68	447.64	1054.66	8.76		1493.54
1992-93	242.24	110.28	181.80	1.52	63.98	10.85	6.38	1.62	618.67	1218.86	9.75		1827.78
1993-94	284.51	128.16	220.68	1.75	57.78	11.38	8.56	1.20	714.02	1409.47	18.33		2105.16
1994-95	294.63	131.72	241.03	1.83	57.57	11.61	8.93	1.22	748.54	1412.30	15.51		2145.33
1995-96	352.12	163.12	253.10	2.05	32.02	13.85	10.22	1.27	827.75	1474.92	14.34		2288.33
1996-97	544.83	260.59	365.66	2.97	105.89	24.00	14.74	1.90	1320.58	1995.14	20.32		3295.40
1997-98	749.02	342.07	449.69	3.48	151.08	34.75	18.41	2.05	1750.55	2293.79	13.91		4030.43
1998-99	826.46	403.79	496.59	3.90	153.81	43.50	22.53	2.56	1953.14	2225.43	19.49		4159.08
1999-2K	908.82	505.87	568.26	3.70	154.98	47.84	29.49	3.77	2222.73	2292.32	20.37		4494.68
2000-01	1278.43	690.71	689.74	4.97	235.60	86.28	34.52	4.40	3024.65	2567.13	22.72		5569.06
2001-02	1393.61	821.08	724.17	5.47	208.22	102.80	33.17	4.45	3292.97	2577.16	26.28		5843.85
2002-03	1617.28	901.87	758.73	5.99	818.37	153.70	35.29	4.08	4295.31	3101.65	3.74		7393.22
2003-04	1664.75	987.68	787.27	7.02	416.94	195.70	39.25	5.18	4103.79	3553.40	3.02		7654.17
2004-05	1827.21	1061.94	851.64	7.58	402.29	202.17	42.84	6.24	4401.91	4169.27			8571.18
2005-06	1909.83	1157.39	862.43	7.93	13.52	202.99	45.72	6.18	4205.99	4669.27			8875.26
2006-07	2164.55	1328.09	991.01	8.38	25.90	222.96	50.04	6.27	4797.20	5182.54			9979.74
2007-08	2511.14	1576.17	1053.73	9.33	20.05	226.78	55.16	7.44	5459.80	6070.22		420.36	11950.38
2008-09	2755.64	1742.62	1054.51	8.97	21.38	303.47	58.19	5.20	5949.98	6756.97		835.30	13542.25
2009-10	3425.79	2020.05	1156.75	10.96	19.26	359.71	65.52	5.37	7063.41	7930.76		526.78	15520.95
2010-11	3666.01	2257.12	1267.68	9.95	11.56	323.91	68.43	4.07	7608.73	9338.88			16947.61
2011-12	4070.61	2487.39	1612.61	10.29	20.03	420.95	78.69	4.62	8705.19	10883.93			19589.12
2012-13	4725.00	2919.48	1836.79	13.52	58.32	541.89	89.29	4.55	10188.84	13158.88			23347.72
2013-14	5110.64	3698.10	1898.29	18.39	11.30	864.97	127.66	5.07	11734.42	16983.39			28717.81
2014-15	2826.04	1733.04	1321.37	13.26	3.91	371.98	76.03	1.24	6346.87	9021.68			15368.55
2015-16	3799.25	2281.47	1459.19	16.04	45.72	453.61	100.43	3.44	8159.15	10476.16			18635.31
2016-17	4056.00	2456.46	1512.26	16.86	50.23	490.07	106.42	4.35	8692.65	11094.21			19786.86
2017-18	4393.40	2584.05	1861.84	16.97	21.20	545.94	114.51	2.29	9540.20	12621.36			22161.56
2018-19	4923.16	3044.93	2254.95	19.69	53.71	673.75	130.69	4.18	11105.06	13683.48			24788.54

9.9 REVENUE FROM SALE OF POWER

(Rs. in Crores)

Financial Year	L.T.CATEGORY					Total L.T	Total H.T.	TOTAL REVENUE
	I (Domestic)	II(Non-Domestic/ commercial)	III (Industrial)	IV(Institutional)	V(Agricultural)			
2019-20	5750.47	3325.94	1146.22	918.47	1189.53	12330.63	19152.19	31482.82
2020-21	5706.98	2482.91	1050.41	964.01	1336.60	11540.91	13587.34	25128.25
2021-22	6190.35	2931.09	1246.67	1112.99	1094.50	12575.60	44610.84	57186.44

	9.10 SALE OF ENERGY CATEGORY-WISE (1970-71 TO 2018-19)												M U
Financial Year	L.T.CATEGORY									H.T.		Total HT	Grand Total
	I	II	III	IV	V	VI	VII	VIII	Total L.T.	Within State H.T.	Inter-state H.T.		
1970-71	179	127	162	@	394	35	--	@	897	1289	0	1289	2186
1971-72	202	138	174	@	489	39	--	@	1042	1288	0	1288	2330
1972-73	194	125	165	@	505	30	--	--	1019	1154	0	1154	2173
1973-74	211	129	183	x	559	29	--	--	1111	1368	0	1368	2479
1974-75	238	131	198	x	640	29	--	1	1237	1338	0	1338	2575
1975-76	264	136	229	1	580	30	--	1	1241	1553	0	1553	2794
1976-77	309	163	263	1	726	33	@	2	1497	1936	0	1936	3433
1977-78	360	174	287	2	755	35	6	2	1621	2161	0	2161	3782
1978-79	422	193	333	3	785	39	10	2	1787	2549	0	2549	4336
1979-80	498	218	385	3	890	43	11	2	2050	2502	0	2502	4552
1980-81	546	216	423	3	915	49	13	2	2167	2937	0	2937	5104
1981-82	638	237	442	5	942	55	15	2	2336	3757	0	3757	6093
1982-83	730	257	504	5	1393	70	18	2	2979	4120	0	4120	7099
1983-84	879	282	550	7	1540	77	20	2	3357	4360	0	4360	7717
1984-85	1026	314	597	7	2354	81	24	2	4405	4826	0	4826	9231
1985-86	1195	340	643	10	2569	91	26	2	4876	5436	0	5436	10312
1986-87	1402	375	662	11	3347	100	26	2	5925	5836	0	5836	11761
1987-88	1532	395	700	10	3980	106	31	2	6756	4913	0	4913	11669
1988-89	1752	416	775	12	4462	120	34	2	7573	5477	0	5477	13050
1989-90	1929	446	871	12	5276	126	36	5	8701	5734	0	5734	14435
1990-91	2079	513	949	18	6285	134	38	2	10018	6075	0	6075	16093
1991-92	2438	553	944	19	6972	140	43	1	11110	6640	0	6640	17750
1992-93	2825	611	1010	20	7895	146	57	1	12565	6662	0	6662	19227
1993-94	3187	673	1072	23	9022	151	59	1	14188	6998	18	7016	21204
1994-95	3213	672	1128	21	10922	152	61	3	16172	6763	160	6923	23095
1995-96	3276	704	1172	22	11399	159	62	2	16796	6604	0	6604	23400
1996-97	3801	795	1270	23	7835	212	70	3	14009	6914	145	7058	21067
1997-98	4535	927	1357	25	9336	286	86	2	16554	7216	174	7390	23944
1998-99	5090	1060	1492	27	9554	367	100	5	17695	7027	117	7144	24839
1999-00	5486	1142	1576	27	10222	403	115	7	18978	6795	29	6824	25802
2000-01	5908	1235	1681	28	11055	457	93	7	20464	6743	0	6743	27207
2001-02	6729	1407	1775	28	12155	527	81	7	22709	6693	147	6840	29549
2002-03	6980	1537	1915	32	12469	766	86	6	23791	7840	0	7840	31631
2003-04	7200	1661	1962	36	12636	1010	94	8	24607	9478	361	9839	34446
2004-05	7789	1832	2120	41	13394	1151	104	9	26440	11178	439	11617	38057
2005-06	8462	2047	2226	43	13267	1176	115	9	27345	12307	1200	13507	40852
2006-07	9178	2298	2387	49	15538	1182	124	10	30766	14084	213	14297	45063
2007-08	10364	2687	2534	48	14359	1239	138	10	31379	17012	434	17445	48824
2008-09	11471	3026	2529	48	15882	1719	148	7	34829	18387	283	18670	53499
2009-10	13102	3385	2544	48	17729	1829	159	9	38805	20314	489	20802	59607
2010-11	14274	3720	2700	49	16716	1727	172	4	39362	23257		23257	62619
2011-12	15369	4126	3156	49	19360	1776	185	5	44026			25929	69955
2012-13	15742	4068	2946	48	18848	1749	187	4	43593			24012	67604
2013-14	16656	4270	2783	46	20801	1614	191	3	46365			26762	73126
2014-15	9650	2053	2079	56	10143	713	117	24	24836			15338	40174
2015-16	11355	2406	2280	38	10295	772	135	1	27282	15883		15883	43165
2016-17	12206.38	2573.34	2669.51	42.00	11668.91	856.72	146.42	1.96	30165.24	17011.81		17011.81	47177.05
2017-18	13173.55	2743.20	3412.57	42.63	10946.88	929.12	156.20	1.96	31406.11	18538.69		18538.69	49944.80
2018-19	14014.21	2967.53	4009.63	46.96	12012.26	984.03	169.94	1.98	34204.56	20745.79		20745.79	54950.35
@ :	Negligible												
x :	Included in Agricultural												

9.10 SALE OF ENERGY CATEGORY-WISE
(2019-20 TO 2021-22)

Financial Year	L.T.CATEGORY					Total L.T	Total H.T.	MU TOTAL
	I (Domestic)	II(Non-Domestic/ commercial)	III (Industrial)	IV(Institutional)	V(Agricultural)			
2019-20	15580.70	3119.24	1416.22	1202.25	14292.23	35610.64	20505.67	56116.31
2020-21	16473.93	2462.95	1312.50	1272.49	12040.26	33562.13	19104.38	52666.51
2021-22	17347.53	2968.84	1529.07	1414.03	12372.39	35631.86	22922.69	58554.55

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

Financial Year	(Prov'l)									MU	
	L.T.CATEGORY									Total HT	Total LT+ HT
	I	II	III	IV	V	VI	VII	VIII	Total		
1988-89	1752	416	775	12	4462	120	34	2	7573	5477	13050
Anl. %	10.10	7.21	12.39	0.00	18.24	5.00	5.88	150.00	14.90	4.69	10.61
19 89-90	1929	446	871	12	5276	126	36	5	8701	5734	14435
Anl. %	7.78	15.02	8.96	50.00	19.12	6.35	5.56	-60.00	15.14	5.95	11.49
19 90-91	2079	513	949	18	6285	134	38	2	10018	6075	16093
Anl. %	17.27	7.80	-0.53	5.56	10.93	4.48	13.16	-50.00	10.90	9.30	10.30
1991-92	2438	553	944	19	6972	140	43	1	11110	6640	17750
Anl. %	15.87	10.49	6.99	5.26	13.24	4.29	32.56	0.00	13.10	0.33	8.32
19 92-93	2825	611	1010	20	7895	146	57	1	12565	6662	19227
Anl. %	12.81	10.15	6.14	15.00	14.27	3.42	3.51	0.00	12.92	5.04	10.19
19 93-94	3187	673	1072	23	9022	151	59	1	14188	6998	21186
Anl. %	0.82	-0.15	5.22	-8.70	21.06	0.66	3.39	200.00	13.98	-3.36	8.26
1994-95	3213	672	1128	21	10922	152	61	3	16172	6763	22935
Anl. %	1.96	4.76	3.90	4.76	4.37	4.61	1.64	-33.33	3.86	-2.35	2.03
1995-96	3276	704	1172	22	11399	159	62	2	16796	6604	23400
Anl. %	16.03	12.93	8.36	4.55	-31.27	33.33	12.90	50.00	-16.59	4.69	-10.59
1996-97	3801	795	1270	23	7835	212	70	3	14009	6914	20923
Anl. %	19.31	16.60	6.93	8.70	19.16	34.91	22.86	-33.33	18.17	3.95	13.47
1997-98	4535	927	1358	25	9336	286	86	2	16555	7187	23742
Anl. %	12.24	14.35	9.87	8.32	2.34	28.32	16.72	150.00	6.89	-0.71	4.59
1998-99	5090	1060	1492	27	9554	367	100	5	17695	7136	24831
Anl. %	7.78	7.74	5.63	-0.30	6.99	9.81	14.56	40.00	7.25	-4.37	3.91
1999-2000	5486	1142	1576	27	10222	403	115	7	18978	6824	25802
Anl. %	7.68	8.16	6.69	3.59	8.15	13.46	-19.29	-4.14	7.83	-1.18	5.45
2000-01	5908	1235	1681	28	11055	457	93	7	20464	6743	27207
Anl. %	13.91	13.89	5.54	0.14	9.95	15.29	-13.17	3.73	10.97	-0.74	8.07
2001-02	6729	1407	1775	28	12155	527	81	7	22709	6693	29402
Anl. %	3.72	9.27	7.90	13.53	2.58	45.26	7.05	-10.63	4.76	17.13	7.58
2002-03	6980	1537	1915	32	12469	766	86	6	23791	7840	31631
Anl. %	3.15	8.05	2.47	13.21	1.34	31.89	8.95	28.62	3.43	20.90	7.76
2003-04	7200	1661	1962	36	12636	1010	94	8	24607	9478	34085
Anl. %	8.18	10.30	8.05	13.89	6.00	13.96	10.64	12.50	7.45	17.94	10.37
2004-05	7789	1832	2120	41	13394	1151	104	9	26440	11178	37618
Anl. %	8.64	11.74	5.00	4.88	-0.95	2.17	10.58	0.00	3.42	10.10	5.41
2005-06	8462	2047	2226	43	13267	1176	115	9	27345	12307	39652
Anl. %	8.46	12.26	7.23	13.95	17.12	0.51	7.83	11.11	12.51	14.44	13.11
2006-07	9178	2298	2387	49	15538	1182	124	10	30766	14084	44850
Anl. %	12.92	16.94	6.17	-2.55	-7.59	4.84	11.08	-0.20	1.99	20.79	7.89
2007-08	10364	2687	2534	48	14359	1239	138	10	31379	17012	48390
Anl. %	10.68	12.58	-0.20	-0.02	10.61	38.73	7.09	-28.06	11.00	8.08	9.97
2008-09	11471	3026	2529	48	15882	1719	148	7	34829	18387	53215
Anl. %	14.22	11.87	0.57	-0.42	11.63	6.40	7.98	25.91	11.42	10.48	11.09
2009-10	13102	3385	2544	48	17729	1829	159	9	38805	20314	59118
Anl%	8.95	9.92	6.13	2.27	-5.72	-5.59	7.99	-53.65	1.44	14.49	5.92
2010-11	14274	3720	2700	49	16716	1727	172	4	39362	23257	62619
Anl%	7.67	10.90	16.90	0.70	15.82	2.82	7.57	18.85	11.85	11.49	11.72
2011-12	15369	4126	3156	49	19360	1776	185	5	44026	25929	69955
Anl%	2.43	-1.41	-6.66	-1.82	-2.64	-1.51	1.12	-12.45	-0.98	-7.40	-3.36
2012-13	15742	4068	2946	48	18848	1749	187	4	43593	24012	67604
Anl%	5.81	4.98	-5.53	-3.64	10.36	-7.72	2.05	-38.99	6.36	11.45	8.17
2013-14	16656	4270	2783	46	20801	1614	191	3	46365	26762	73126
Anl%	-42.06	-51.92	-25.28	21.55	-51.24	-55.84	-38.81	806.39	-46.43	-42.69	-45.06
*2014-15	9650.44	2053.36	2079.13	56.30	10143.00	712.72	116.82	24.11	24835.88	15338.02	40173.90
Anl%	17.66	17.16	9.67	-31.75	1.50	8.29	15.40	-93.84	9.85	3.55	7.45
2015-16	11354.92	2405.72	2280.25	38.42	10294.80	771.78	134.81	1.49	27282.18	15882.85	43165.03

* Sales for residual AP

**9.10(A) SALE OF ENERGY CATEGORY-WISE
ANNUAL GROWTH RATES(2014-15 TO 2021-22)**

Financial Year	(Provl)									MU	
	L.T.CATEGORY									Total HT	Total LT+ HT
	I	II	III	IV	V	VI	VII	VIII	Total		
*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	8.79	1.18	8.92	11.91	10.03
2018-19	14014.21	2967.53	4009.63	46.96	12012.26	984.03	169.94	1.98	34206.54	20745.79	54952.33

(Provl) MU														
Financial Year	L.T.CATEGORY					Total LT	H.T.CATEGORY						Total HT	Total LT+ HT
	Dom -I	CommI - II	Industry -III	Institutional - IV	Agricultural - V		Dom -I	CommI - II	Industry -III	Institutiona I - IV	Agricultural - V	RESCOs		
2019-20	15580.7	3119.24	1416.22	1202.25	14292.23	35610.64	53.81	1779.87	13831.47	1855.54	2151.84	833.14	20505.67	56116.31
Anl%	5.73	-21.04	-7.32	5.84	-15.76	-5.75	12.69	-33.00	-3.61	-19.74	2.21	-0.27	-6.83	-6.15
2020-21	16473.93	2462.95	1312.5	1272.49	12040.26	33562.13	60.64	1192.56	13331.6	1489.21	2199.45	830.92	19104.38	52666.51
Anl%	5.30	20.54	16.50	11.12	2.76	6.17	-1.45	23.95	31.05	51.16	-45.70	-43.67	19.99	11.18
2021-22	17347.53	2968.84	1529.07	1414.03	12372.39	35631.86	59.76	1478.16	17471.23	2251.12	1194.38	468.04	22922.69	58554.55

9.11 PATTERN OF ELECTRICITY CONSUMPTION (%)
(1960 TO 2022)

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
2015-16	26.31	5.57	24.91	36.47	3.11	3.63	100
2016-17	25.87	5.45	27.45	34.70	2.75	3.78	100
2017-18	26.56	5.53	24.36	36.79	2.85	3.91	100
2018-19	25.50	5.40	25.37	37.08	2.82	3.83	100
2019-20	27.86	8.73	29.30	27.17	3.31	3.63	100
2020-21	31.39	6.94	27.04	27.81	2.83	3.99	100
2021-22	29.73	7.59	23.17	32.45	3.84	3.41	100

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

NOTE:- Only sales with in the state are considered

9.12 ARREARS OF REVENUE

(Rs.in crores)

Details As on	L.T. Con- sumers	H.T. Con- sumers	TOTAL	Decreed debts	Debts pending in Courts	Debts to be with- drawn	Amounts due from Govt. Depts	Amounts due from Local Bodies	Amounts due from Live Services	Amounts due from Disconnected Services	Others (Arrears of RESCOs,RR Act.)	TOTAL
1986-87	56.81	105.36	162.17	0.46	76.49	0.28	2.57	8.15	43.02	31.20		162.17
1987-88	72.84	150.87	223.71	0.52	109.18	0.36	6.47	11.38	67.6	28.2		223.71
1988-89	82.86	192.84	275.70	0.53	141.21	0.96	10.68	13.78	72.72	35.82		275.70
1989-90	106.75	260.28	367.03	0.58	203.95	1.07	11.37	14.70	89.20	46.16		367.03
1990-91	114.54	248.58	363.12	0.54	189.24	0.95	13.58	18.34	92.52	47.95		363.12
1991-92	128.52	277.44	405.96	0.6	189.32	1.4	19.37	22.21	125.91	47.15		405.96
1992-93	175.07	281.38	456.45	6.26	141.86	3.15	25.82	39.20	128.40	111.76		456.45
1993-94	220.28	335.46	555.74	1.08	191.86	2.83	55.33	41.69	176.48	86.47		555.74
1994-95	262.10	310.26	572.36	0.44	176.83	2.69	36.68	48.80	210.62	96.30		572.36
1995-96	262.33	328.57	590.90	0.47	178.71	5.55	69.69	39.19	197.51	99.78		590.90
1996-97	353.70	371.48	725.18	0.37	176.76	5.44	66.90	52.37	279.28	144.06		725.18
1997-98	495.93	355.61	851.54	0.47	106.93	1.63	133.82	35.64	344.72	228.33		851.54
1998-99	661.58	504.11	1165.69	0.54	118.11	4.52	238.46	78.80	465.61	259.65		1165.69
1999-2K	843.99	385.83	1229.82	0.86	111.96	3.87	140.48	123.70	549.94	299.01		1229.82
2000-01	1020.70	480.14	1500.84	0.27	141.62	4.86	176.28	169.52	639.87	368.42		1500.84
2001-02	1154.37	516.25	1670.62	0.48	122.68	3.14	199.75	170.97	771.14	402.46		1670.62
2002-03	1640.12	602.18	2142.30	0.54	115.01	7.48	303.51	131.40	1012.52	571.84		2142.30
2003-04	2022.59	626.96	2649.55	8.49	109.09	4.69	370.63	0.93	1435.18	720.54		2649.55
2004-05	2495.25	866.71	3361.96	2.64	180.60	3.83	495.67	40.78	1841.06	797.38		3361.96
2005-06	1181.76	823.44	2005.20	12.09	265.76	2.97	254.22	50.14	587.59	646.95	185.48	2005.20
2006-07	1211.93	864.88	2076.81	2.09	293.64	3.13	281.78	102.67	613.94	619.81	159.75	2076.81
2007-08	1191.79	865.34	2057.13	2.72	309.04	2.13	299.81	107.48	506.51	639.24	190.2	2057.13
2008-09	1067.91	858.09	1926.00	1.40	355.18	2.22	235.45	165.60	457.05	514.61	194.49	1926.00
2009-10	1270.82	975.13	2245.95	1.40	384.19	2.24	321.91	311.78	550.65	473.82	199.96	2245.95
2010-11	1546.84	1210.16	2757.00	16.11	444.09	2.77	486.63	522.19	714.04	478.61	92.56	2757.00
2011-12	1883.95	1414.42	3298.37	3.11	609.94	3.00	539.93	746.39	898.15	352.06	145.79	3298.37
2012-13	1944.13	1967.95	3912.08	3.74	713.02	3.01	571.96	757.2	1212.97	408.41	241.76	3912.07
2013-14	2564.18	2660.97	5225.15	3.06	1024.68	1.14	957.71	1498.76	778.13	650.18	311.49	5225.15
2014-15*	1274.09	1284.69	2558.78	0.26	632.57	4.98	362.47	1013.4	178.68	260.95	105.45	2558.76
2015-16	1433.11	1559.59	2992.70	0.98	717.61	4.71	242.78	1185.81	289.23	370.89	180.67	2992.68
2016-17	1927.6	2361.12	4288.72	4.27	667.84	4.16	1026.93	1516.06	552.6	349.64	167.27	4288.77
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
2019-20	4650.1	4873.60	9523.70	-2.03	535.4	645.76	2913.93	3668.83	331.28	725.21	279.26	9523.70
2020-21	4472.37	6876.60	11348.97	0.288	1257.61	1.1326999	4724.39	3606.86	911.64	305.86	541.2	11348.97
2021-22	4231.02	8588.28	12819.30	0.020	1871.80	0.73	5730.56	3443.56	1082.81	184.01	505.52	12819.01

*For Residual AP

9.13 TARIFF FOR RETAIL SALE OF ELECTRICITY DURING FY2021-22
(Applicable with effect from 01.04.2021 to 31.03.2022 in respect of three distribution licensees, APSPDCL, APEPDCL and APCPDCL in the State of Andhra Pradesh)

Category	Consumer Category	LT SUPPLY		Billing Unit	HT SUPPLY			
		Fixed / Demand Charges per month (Rs./HP or kW)	Energy Charges (Rs./Unit)		Fixed / Demand Charges per month (Rs./kVA)	Energy Charges (Rs./Unit)		
						11 kV	33 kV	132 kV & above
I	DOMESTIC							
	(A) : Domestic (Telescopic)							
	Group A : Consumption ≤ 75 Units during the billing month							
	0-50	10	1.45	kWh	-	-	-	-
	51-75	10	2.60	kWh	-	-	-	-
	Group B: Consumption > 75 and ≤ 225 units during the billing month							
	0-50	10	2.60	kWh	-	-	-	-
	51-100	10	2.60	kWh	-	-	-	-
	101-200	10	3.60	kWh	-	-	-	-
	201-225	10	6.90	kWh	-	-	-	-
	Group C: Consumption > 225 units during the billing month							
	0-50	10	2.65	kWh	-	-	-	-
	51-100	10	3.35	kWh	-	-	-	-
	101-200	10	5.40	kWh	-	-	-	-
	201-300	10	7.10	kWh	-	-	-	-
	301-400	10	7.95	kWh	-	-	-	-
	401-500	10	8.50	kWh	-	-	-	-
	Above 500 units	10	9.95	kWh	-	-	-	-
	Consumers whose consumption is more than 500 units per month can opt for smart meters and ToD rebate of Rs.1 per unit is applicable for such consumers for the consumption between 10 AM to 12 Noon.							
	(B) : Townships, Colonies, Gated Communities, and Villas	-	-	kVAh	75	7.00	7.00	7.00
II	COMMERCIAL & OTHERS							
	(A) : Commercial							
	(i) Minor 0-50 Units	55/kW	5.40	kWh/kVAh	-	-	-	-
	(ii) Major							
	0-50	75/kW	6.90	kWh/kVAh	475	7.65	6.95	6.70
	51-100		7.65	kWh/kVAh				
	101-300		9.05	kWh/kVAh				
	301-500		9.60	kWh/kVAh				
	Above 500 units		10.15	kWh/kVAh				
	Time of Day tariff (TOD)- Peak (6 PM to 10 PM)	-	-	kWh/kVAh		8.65	7.95	7.70
	(iii) Advertising Hoardings	100/kW	12.25	kWh/kVAh	-	-	-	-
	(iv) Function halls / Auditoria		12.25	kWh/kVAh	-	12.25	12.25	12.25
	(B) : Startup power	-	12.25	kWh/kVAh	-	12.25	12.25	12.25
	(C) : Electric Vehicles / Charging Stations	-	6.70	kWh/kVAh	-	6.70	6.70	6.70
	(D) : Green Power	-	12.25	kWh/kVAh	-	12.25	12.25	12.25

9.13 TARIFF FOR RETAIL SALE OF ELECTRICITY DURING FY2021-22
(Applicable with effect from 01.04.2021 to 31.03.2022 in respect of three distribution licensees, APSPDCL, APEPDCL and APCPDCL in the State of Andhra Pradesh)

III	INDUSTRY							
	(A) : Industry (General)#	75/kW	6.7	kWh/kVAh	475	6.3	5.85	5.4
	Time of Day tariff (TOD)- Peak (6 AM to 10 AM & 6 PM to 10 PM)	-	-			7.3	6.85	6.4
	Time of Day tariff (TOD) - Off Peak (10 PM to 6 AM)	-	-			5.3	4.85	4.4
	Industrial Colonies	-	-	kWh/kVAh	-	7	7	7
	(B) : Seasonal Industries (off-season)	75/kW	7.45	kWh/kVAh	475	7.65	6.95	6.7
	(C) : Energy Intensive Industries	-	-	kWh/kVAh	-	5.8	5.35	4.95
	(D) : Cottage Industries upto 10HP *	20/kW	3.75	kWh	-	-	-	-
	# - Rice mills and Pulverising units are permitted upto 150 HP in LT and as per the tariff mentioned in the terms and conditions. * - Dhobighats shall be extended free power supply as per G.O.Rt.No.75, dt. 27-06-2018							
IV	INSTITUTIONAL							
	(A) : Utilites(Street Lighting, NTR Sujala Pathakam, CPWS and PWS)	75/kW	7	kWh	475	7.65	6.95	6.7
	(B) : General Purpose	75/kW	7	kWh/kVAh	475	7.95	7.25	7
	(C) : Religious Places							
	(i) ≤ 2 kW	30/kW	4.8	kWh	-	-	-	-
	(ii) > 2 kW	30/kW	5	kWh/kVAh	30	5	5	5
	(D) : Railway Traction	-	-	kVAh	350	5.5	5.5	5.5
V	AGRICULTURE & RELATED							
	(A) : Agriculture							
	(i) Corporate farmers	200/HP	-	-	-	-	-	-
	(ii) Non-Corporate farmers	-	-	-	-	-	-	-
	(iii) Salt farming units upto 15 HP	-	2.5	kWh	-	-	-	-
	(iv) Sugarcane crushing	-	-	-	-	-	-	-
	(v) Rural Horticulture Nurseries	-	-	-	-	-	-	-
	(vi) Floriculture in Green House	75/kW	4.5	kWh/kVAh	-	-	-	-
	(B) : Aquaculture and Animal Husbandry	30/kW	3.85	kWh/kVAh	30	3.85	3.85	3.85
	(D) : Agro Based Cottage Industries upto 10 HP	20/kW	3.75	kWh	-	-	-	-
	(E) : Government / Private Lift Irrigation Schemes	-	-	kVAh	-	7.15	7.15	7.15
Note:	(i) Temporary Supply :There is no separate category for temporary supply. However, Temporary supply can be released against each category with respective terms and conditions applicable and it shall be billed at the rate and other conditions specified in this order.							
	(ii) Categories not defined in either HT-Supply or LT-Supply shall be billed at the rates specified in Category - II (A) (ii) Commercial - Major							

10. PERSONNEL

10.1 CADRE STRENGTH IN AP Power Sector

Sl.No.	Details	DISCOMs	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
		2010	2011			2012			2013			2014			2015		
	OTHER THAN WORKMEN																
1.	Technical	4333	4051	3332	6601	4053	3332	5873	4053	3362	6667	4437	3427	6374	2472	1697	3580
2.	Non-Technical	1662	629	343	1847	627	353	1780	628	221	1885	691	233	1949	356	122	949
	WORKMEN																
1.	Technical	2201	637	3	227	638		3	637		2	713		17	425	223	-
2.	Non-Technical	12889	1889	1222	12926	1894	1222	14114	1900	1354	13159	1953	1354	15092	1068	769	7211
3.	O & M and Construction and others	35689	8441	3402	35370	8396	3394	35247	8372	3394	35022	8901	3405	38379	4930	2106	19615
	TOTAL	56774	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 TRANSC O	DISCOMs	AP GENCO	AP TRANSCO	DISCOMs	AP GENCO	AP TRANSCO	DISCOMs	AP GENCO	AP TRANSCO	DISCOMs
1	2	2016			2017			2018			2019			2020			2021			2022		
	OTHER THAN WORKMEN																					
1.	Technical	2466	1691	1789	2472	1691	3601	2472	2290	3785	2464	2290	2953	2474	2290	2646	2473	2290	3621	2090	2290	3848
2.	Non-Technical	355	120	953	355	120	982	355	200	1009	355	201	874	357	201	875	355	201	920	226	210	998
	WORKMEN																					
1.	Technical	369	223	1810	425	223	***	425	-	**	425	-	**	424	-	811	427	-	-	213	1712	8318
2.	Non-Technical	1126	766	7229	1070	766	2386	1070	691	2359	1069	690	6019	1068	690	5406	1068	690	6417	399	586	5186
3.	O & M and Construction and	4937	2106	19673	4931	2106	24592	4931	2106	24687	4931	2106	13525	4930	2106	15431	4930	2106	21212	2380	489	15741
	TOTAL	9253	4906	31454	9253	4906	31561	9253	5287	31840	9244	5287	23371	9253	5287	25169	9253	5287	32170	9253	5287	34091

* 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	---	1.987	---	
	2.a)No.actually employed in Hydel Generation	---	3593	---	3603	---	3629	---	3404	---	3370	---	3459	---	3320	---	3271	---	2053	---	1141	---	2141	---	

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			3	4	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	---	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	
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		1.32716	
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

Sl.No.	Particulars	ANDHRA PRADESH											
		GENCO	T & D	GENCO	T & D	GENCO	T & D	GENCO	T & D	GENCO	T & D	GENCO	T & D
		2016-17		2017-18		2018-19		2019-20		2020-21		2021-22	
A.	Total No.of Employees	9253	36467	9253	37127	9244	28658	9253	30456	9253	37457	9253	39378
B.	Number employed in construction Projects	100		100		102		1348		231		234	
C.	Total employed in Generation,Transmission&Distribution(A-B)	9153	36467	9153	37127	9142	28658	7905	30456	9022	37457	5074	39378
D.	Employment break-up of 'C'												
	1.a)Number.Actually employed in Thermal Generation	6400		6400		6480		5276		4083		3752	
	1.b)Plus proportion of other employees (H.Q.Posts)	296		296		284		282		177		169	
	1.c)Thermal Capacity in operation in MW	2810		2810		3410		3410		5010		5010	
	1.d)Employees / MW (1a+1b)/1c	2.38		2.38		1.98		1.99		0.85		0.78	
	2.a)No.actually employed in Hydel Generation	2258		2258		2271		2141		1107		1036	

10.2 MAN POWER DETAILS

S.No.	Particulars	Genco	T & D	Genco	T & D	Genco	T & D	Genco	T & D	Genco	T & D	Genco	T & D
		2016-17		2017-18		2018-19		2019-20		2020-21		2021-22	
							-						
	2.b)Plus proportion of other employees(HQ)	201		201		215	-	213		129		117	
	2.c)Hydel capacity in operation(MW)	1749.6		1749.6		1749.6	-	1749.6		1773.6		1773.6	
	2.d)Employees per MW ((2a+2b)/2c)	1.40546		1.405464		1.421	-	1.408		0.697		0.650	
	3.a)No.of posts sanctioned in Transmission&distribution		36467		37127		28658		30456		37457		39378
	3.b)Plus proportion of other employees(HQ)(TRANSCO)												
	3.c)No.of consumers in thousands		17182		17821		18506		18809		19346		19604
	3.d)Employees(sanctioned) per 1000 consumers (3a+3b)/3c		2.12		2.08		1.55		1.62		1.94		2.01
	4.a)Units sold including exports in MKWH		52637.23*		57576		63144		62923		63070		68973
	4.b)Total No. of employees (sanctioned)per MU sold		1.44		1.55		2.20		2.07		1.68		1.75

* Reconciled figures

10.3 DETAILS OF OTHER THAN WORKMEN AS ON 31-03-2022

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	0	1	0	0	0
2	Chief Engineer/EI including CGM Adm(GENCO)/CE(EI,telecom,civil)	6	7	13	5	4	9
3	Superintending Engineer	16	28	44	5	25	30
4	DE / EE	41	158	199	42	120	162
5	ADE / AEE	95	645	740	114	515	629
6	AE / AAE	48	806	854	63	712	775
7	Sub-Engineer	1	212	213	0	16	16
	T O T A L	208	1856	2064	229	1392	1621
B	NON-TECHNICAL						
1	Excecutive Director/Finance/General	-	-	0	1	0	1
2	Chief Chemist	0	1	1	**	**	**
3	Senior Chemist	1	31	32	**	**	**
4	Chemist	0	24	24	**	**	**
5	FA & CCA	2	0	2	0	0	0
6	Deputy CCA	5	3	8	3	0	3
7	Senior Accounts Officer	8	6	14	5	3	8
8	Accounts Officer	15	17	32	4	9	13
9	Asst. Accounts Officer	9	25	34	12	7	19
10	Junior Accounts Officer	17	81	98	7	31	38
11	Chief Gen. Mnager (IR), (NC), (HR)	0	0	0	**	**	**
12	Joint Secretary	0	1	1	**	**	**
13	Company Secretary	0	0	0	1	0	1
14	Dy.Manager HR	0	0	0	**	**	**
15	Asst.Manager(Ex-Cadre)	0	0	0	**	**	**
16	General Manager (IR)	0	0	0	**	**	**
17	General Manager (HR)	0	3	3	**	**	**
18	DGM(HR)	2	0	2	**	**	**
19	Deputy Secretary	4	0	4	2	0	2
20	Assistant Secretary	4	6	10	3	1	4
21	Law Officer	0	0	0	**	**	**
22	Junior Law Officer	0	0	0	**	**	**
23	Personnel Officer	10	3	13	14	9	23
24	Public Relations Officer	0	0	0	**	**	**
25	Welfare Officer	0	0	0	**	**	**
26	Head Master	0	1	1	**	**	**
27	Chief of Security & Vigilance	0	0	0	**	**	**
28	DSP(Vigilance)	0	0	0	1	0	1
29	Security officer	0	0	0	**	**	**
30	Asst. Security Officer	0	0	0	**	**	**
31	Security Inspector	0	0	0	**	**	**
32	Deputy Civil Surgeon	0	2	2	**	**	**
33	Asst.Civil Surgeon	1	2	3	**	**	**
34	Addl.Secretary	-	-	0	1	0	1
35	Tahasildar & Dy Tahasildar	-	-	0	1	0	1
36	Divisional .Manager(Ex-Cadre)	-	-	0	0	1	1
37	Asst Divisional fire officer	0	3	3	**	**	**
38	Station fire officer	0	3	3	**	**	**
39	Senior Labour welfare officer	0	1	1	**	**	**
40	Inspector of Police (CI)	-	-	0	2	0	2
41	Sub Inspector	0	0	0	3	0	3
42	Head Constable	0	0	0	2	0	2
43	Police Constable	0	-	0	2	0	2
	TOTAL	78	213	291	64	61	125
	Grand Total	286	2069	2355	293	1453	1746

** Cadres not existing in APTRANSCO

10.3 DETAILS OF OTHER THAN WORKMEN AS ON 31-03-2022

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	0	1	0	0	0
2	Chief Engineer/EI including CGM Adm(GENCO)/CE(EI,telecom,civil)	6	7	13	5	4	9
3	Superintending Engineer	16	28	44	5	25	30
4	DE / EE	41	158	199	42	120	162
5	ADE / AEE	95	645	740	114	515	629
6	AE / AAE	48	806	854	63	712	775
7	Sub-Engineer	1	212	213	0	16	16
	T O T A L	208	1856	2064	229	1392	1621
B	NON-TECHNICAL						
1	Excecutive Director/Finance/General	-	-	0	1	0	1
2	Chief Chemist	0	1	1	**	**	**
3	Senior Chemist	1	31	32	**	**	**
4	Chemist	0	24	24	**	**	**
5	FA & CCA	2	0	2	0	0	0
6	Deputy CCA	5	3	8	3	0	3
7	Senior Accounts Officer	8	6	14	5	3	8
8	Accounts Officer	15	17	32	4	9	13
9	Asst. Accounts Officer	9	25	34	12	7	19
10	Junior Accounts Officer	17	81	98	7	31	38
11	Chief Gen. Mnager (IR), (NC), (HR)	0	0	0	**	**	**
12	Joint Secretary	0	1	1	**	**	**
13	Company Secretary	0	0	0	1	0	1
14	Dy.Manager HR	0	0	0	**	**	**
15	Asst.Manager(Ex-Cadre)	0	0	0	**	**	**
16	General Manager (IR)	0	0	0	**	**	**
17	General Manager (HR)	0	3	3	**	**	**
18	DGM(HR)	2	0	2	**	**	**
19	Deputy Secretary	4	0	4	2	0	2
20	Assistant Secretary	4	6	10	3	1	4
21	Law Officer	0	0	0	**	**	**
22	Junior Law Officer	0	0	0	**	**	**
23	Personnel Officer	10	3	13	14	9	23
24	Public Relations Officer	0	0	0	**	**	**
25	Welfare Officer	0	0	0	**	**	**
26	Head Master	0	1	1	**	**	**
27	Chief of Security & Vigilance	0	0	0	**	**	**
28	DSP(Vigilance)	0	0	0	1	0	1
29	Security officer	0	0	0	**	**	**
30	Asst. Security Officer	0	0	0	**	**	**
31	Security Inspector	0	0	0	**	**	**
32	Deputy Civil Surgeon	0	2	2	**	**	**
33	Asst.Civil Surgeon	1	2	3	**	**	**
34	Addl.Secretary	-	-	0	1	0	1
35	Tahasildar & Dy Tahasildar	-	-	0	1	0	1
36	Divisional .Manager(Ex-Cadre)	-	-	0	0	1	1
37	Asst Divisional fire officer	0	3	3	**	**	**
38	Station fire officer	0	3	3	**	**	**
39	Senior Labour welfare officer	0	1	1	**	**	**
40	Inspector of Police (CI)	-	-	0	2	0	2
41	Sub Inspector	0	0	0	3	0	3
42	Head Constable	0	0	0	2	0	2
43	Police Constable	0	-	0	2	0	2
	TOTAL	78	213	291	64	61	125
	Grand Total	286	2069	2355	293	1453	1746

** Cadres not existing in APTRANSCO

10.4 DETAILS OF OTHER THAN WORKMEN(SANCTIONED) (AS ON 31-03-2022 DISCOMS)					
Sl.no	Cadre	EPDCL	CPDCL	SPDCL	DISCOM Total
1	2	3		4	5
A. TECHNICAL					
1	Executive Director	0	0	1	1
2	Chief Engineer/(CGM)	9	4	5	18
3	Superintending Engineer/GM	24	14	18	56
4	DE / EE	84	57	87	228
5	ADE/Dy.EE	223	157	232	612
6	AE / AAE	571	394	643	1608
7	DGM /IT	1	0	0	1
8	Manager (CSC)	7	0	0	7
9	Sub-Engineer/JE	470	332	514	1316
10	Drafts Man GR-1	0	0	1	1
	TOTAL(A)	1389	958	1501	3848
B. NON-TECHNICAL					
1	CGM	2	1	1	4
2	GM	0	2	3	5
3	GM(Revenue/Accounts/IA/Costing/P&G	4	1	2	7
4	GM/HRD	2	1	0	3
5	SAO	9	8	7	24
6	AO	21	10	13	44
7	AAO	59	43	68	170
8	JAO	216	163	276	655
9	DGM	4	3	7	14
10	DGM/Legal Affairs (Out Source)	0	0	0	0
11	DGM/CC (Out source)	0	0	0	0
12	JS/HRD	0	0	1	1
13	DS/GM	0	0	0	0
14	AS/DGM	0	0	0	0
15	Personnel Officer	19	10	14	43
16	Company Secretary	1	1	1	3
17	Chartered Accountat (Contract Basis)	0	1	0	1
18	Public Relations Officer	1	1	1	3
19	Chief Vigilance Officer	1	0	1	2
20	Inspector of Police	5	0	5	10
21	Sub-Inspector of Police	11	0	12	23
22	Law Officer	1	1	1	3
	TOTAL (B)	356	246	413	1015
	Grand Total	1745	1204	1914	4863

10.5 Trends of Regular Employee & Employee Cost								
	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22
Employees (nos)								
AP Transco	2211	2172	2150	2108	2102	2056	2138	2068
AP Genco	6200	5838	5838	5850	5735	5629	5649	5308
AP EPDCL	7206	7858	7871	7648	7793	7608	9794	9614
AP CPDCL	AP CPDCL was formed on 01.04.2020						7451	7548
AP SPDCL	16638	16323	15895	16104	15494	15378	9631	12021
TOTAL	32255	32191	31754	31710	31124	30671	34663	36559
Employee Cost (Rs in Cr)								
AP Transco	497.36	269.02	302.33	362.59	444.37	621.68	1043.04*	410.07**
AP Genco	585.37	524.89	506.89	510.29	784.33	779.21	761.34	969.01
AP EPDCL	492.66	536.27	555.08	579.11	816.13	840.62	879.26	820.9
AP CPDCL	AP CPDCL was formed on 01.04.2020						758.16	769.92
AP SPDCL	1359.68	1025.41	860.46	1170.9	2603.72	2875.89	2053.06	1170.68
TOTAL	2935.07	2355.59	2224.76	2622.89	4648.55	5117.4	5494.86	4140.58

Trends of Out Sourcing Employee & Employee Cost								
	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22
Employees (nos)								
AP Transco	4223	4248	4516	4717	5007	5988	6067	5776
AP Genco	2912	3807	4202	4255	4286	4354	4432	4608
AP EPDCL	2876	2970	3205	3533	4010	4163	4269	4258
AP CPDCL	AP CPDCL was formed on 01.04.2020						4477	4413
AP SPDCL	6619	6785	6858	7014	6763	7297	6636	7801
TOTAL	16630	17810	18781	19519	20066	21802	25881	26856
Employee Cost (Rs in Cr)								
AP Transco	75	86	95	99	169	211	197.74	199
AP Genco	36.98	50.15	63.03	84.42	114.41	138.79	114.41	117.28
AP EPDCL	32.16	41.16	62.72	73.69	128.67	133.52	137.05	136.68
AP CPDCL	AP CPDCL was formed on 01.04.2020						98.64	140.96
AP SPDCL	97.35	131.04	146.17	175.64	233.92	288.92	160.78	239.52
TOTAL	241.49	308.35	366.92	432.75	646	772.23	708.62	833.44

* The employee cost of APTRANSCO Rs.1043.04 crs for the year 2020-21, which includes an amount of Rs.627.13 Cr towards Pension & Gratuity liability recognised as per the Actuarial valuation report and provision created, as such the net employee cost is Rs.415.91 crs only.

** The Employee Cost of APTRANSCO Rs 410.07 Crs for the FY 2021-22 excluding the provision of Pension & Gratuity . The provision is created during the finalization of Annual Accounts.

11. ALL INDIA STATISTICS

11.1 All India Region wise Installed Capacity (MW) of Power Stations as on 31-03-2022											
Sl. No	Region	Sector	Thermal					Nuclear	Renewable		Total
			Coal	Lignite	Gas	Diesel	Total		Hydro	RES (MNRE)	
1	Northern	State	17979.00	250.00	2879.20	0.00	21,108.20	0.00	5888.25	735.85	27,732.30
		Private	22425.83	1080.00	558.00	0.00	24,063.83	0.00	3241.00	25,955.85	53,260.68
		Central	15732.18	250.00	2344.06	0.00	18,326.24	1620.00	11502.52	379.00	31,827.76
		SubTotal	56137.01	1580.00	5781.26	0.00	63,498.27	1620.00	20,631.77	27,070.70	1,12,820.74
2	Western	State	21290.00	900.00	2849.82	0.00	25,039.82	0.00	5,446.50	575.98	31,062.30
		Private	31947.17	500.00	4676.00	0.00	37,123.17	0.00	481.00	32,407.18	70,011.35
		Central	20479.10	0.00	3280.67	0.00	23,759.77	1840.00	1,635.00	666.30	27,901.07
		SubTotal	73716.27	1400.00	10806.49	0.00	85,922.76	1840.00	7,562.50	33,649.46	1,28,974.72
3	Southern	State	20592.50	0.00	791.98	159.96	21,544.44	0.00	11,819.83	597.88	33,962.15
		Private	13272.00	250.00	5340.24	273.70	19,135.95	0.00	0.00	45,768.56	64,904.51
		Central	11835.02	3390.00	359.58	0.00	15,584.60	3320.00	0.00	541.90	19,446.50
		SubTotal	45699.52	3640.00	6491.80	433.66	56,264.99	3320.00	11,819.83	46,908.34	1,18,313.16
4	Eastern	State	6970.00	0.00	100.00	0.00	7,070.00	0.00	3,550.22	275.11	10,895.33
		Private	5553.00	0.00	0.00	0.00	5,553.00	0.00	209.00	1,460.21	7,222.21
		Central	15233.68	0.00	0.00	0.00	15,233.68	0.00	1,005.20	10.00	16,248.88
		SubTotal	27756.68	0.00	100.00	0.00	27,856.68	0.00	4,764.42	1,745.32	34,366.42
5	N.Eastern	State	0.00	0.00	466.36	36.00	502.36	0.00	422.00	233.25	1,157.60
		Private	0.00	0.00	0.00	0.00	0.00	0.00	0.00	210.30	210.30
		Central	770.02	0.00	1253.60	0.00	2,023.62	0.00	1,522.00	30.00	3,575.62
		SubTotal	770.02	0.00	1719.96	36.00	2,525.98	0.00	1,944.00	473.55	4,943.53
6	Island	State	0.00	0.00	0.00	40.05	40.05	0.00	0.00	5.25	45.30
		Private	0.00	0.00	0.00	0.00	0.00	0.00	0.00	27.66	27.66
		Central	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.10	5.10
		SubTotal	0.00	0.00	0.00	40.05	40.05	0.00	0.00	38.01	78.06
7	All India	State	66831.50	1150.00	7087.36	236.01	75304.87	0.00	27126.80	2423.32	104854.98
		Private	73198.00	1830.00	10574.24	273.70	85875.95	0.00	3931.00	105829.76	195636.71
		Central	64050.00	3640.00	7237.91	0.00	74927.91	6780.00	15664.72	1632.30	99004.93
		Total	2,04,079.50	6,620.00	24,899.51	509.71	2,36,108.73	6,780.00	46,722.52	1,09,885.38	3,99,496.62

Source: www.cea.nic.in

11.2 All India Transformation T&D Losses in %		
Sl.No	Year	T&D losses
1	2000-01	24.5
2	2001-02	33.98
3	2002-03	32.54
4	2003-04	32.53
5	2004-05	31.25
6	2005-06	30.42
7	2006-07	28.65
8	2007-08	27.2
9	2008-09	25.04
10	2009-10	25.39
11	2010-11	23.97
12	2011-12	23.65
13	2012-13	23.04
14	2013-14	22.84
15	2014-15	22.77
16	2015-16	21.81
17	2016-17	21.42
18	2017-18	21.04
19	2018-19	20.66
20	2019-20	20.46
21	2020-21	20.73

Source:cea.nic.in

11.3 ALL INDIA 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
19	2019-20	55.99
20	2020-21	54.49
21	2021-22	58.87

* Coal and Lignite based

Plan Wise Capacity Addition Targets and achievements during Various Plans			
Sl.No	Plan Period	Target	Achievement
1	I st plan (1951-56)	1300	1100
2	2nd plan(1956-61)	3500	2250
3	3rd plan (1961-66)	7040	4520
4	Annual plans(1966-69)	5430	4120
5	4th plan(1969-74)	9264	4579
6	5th plan(1974-79)	12499	10202
7	Annual plan (1979-80)	2813	1799
8	6th plan(1980-85)	19666	14266
9	7th plan(1985-90)	22245	21401
10	Annual plan (1990-91)	4212	2776
11	Annual Plan (1991-92)	3811	3027
12	8th plan (1992-97)	30538	16423
13	9th plan (1997-2002)	40245	19119
14	10th plan (2002-2007)	41110	21180
15	I st 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	23977
24	5th Year of 12th Plan (2016-17)	9914	14325
25	2017-18	13171	9505
26	2018-19	8106	5922
27	2019-20	12186	7065
28	2020-21	11197	5436
29	2021-22	11478	4878

Figures in MW

Source : CEA Report - Executive Summary on Power Sector for the month of March-22

11.4 Growth of Transmission sector (As on 31-03-2022)		
Sl.No	Transmission lines	Total CKM
1	765 kV	51,023
2	400 kV	1,93,978
3	220kV	1,92,340
4	HVDC Lines	19,087
TOTAL		4,56,428

Sl.No	Sub-Station (MVA)	Total MVA
1	765 kV	2,57,200
2	400 kV	3,93,713
3	220kV	4,20,037
4	HVDC	34,500
TOTAL		11,05,450

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	4,92,325	83.83	1,37,92,427
3	2003-04	4,95,031	84.3	1,41,15,373
4	2004-05	4,39,800	74.10	1,44,45,014
5	2005-06	4,96,365	83.60	1,48,34,650
6	2006-07	4,82,564	81.28	1,53,50,297
7	2007-08	4,88,435	82.30	1,56,74,673
8	2008-09	4,96,365	83.60	1,62,07,728
9	2009-10	4,97,950	83.90	1,61,93,521
10	2010-11	5,37,947	90.60	1,71,67,631
11	2011-12	5,56,633	93.80	1,81,78,136
12	2012-13	559849	94.30	1,87,07,829
13	2013-14	571168	95.60	1,91,24,383
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	2,12,54,379
19	2019-20	597464	100.00	2,20,44,042
20	2020-21	597464	100.00	2,20,89,217

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

Source: www.cea.nic.in

11.6 PEAK DEMAND AND DEFICIT
Year 2021-22

State	Peak demand (MW)	Peak met (MW)	Surplus/Deficit (MW)	Surplus/Deficit (%)
Chandigarh	220	220	0	0.0
Delhi	4,648	4648	0	0.0
Haryana	7792	7792	0	0.0
Himachal Pradesh	1879	1879	0	0.0
UT of J&K and Ladakh	3095	2795	300	9.7
Punjab	8475	8475	0	0.0
Rajasthan	15749	15749	0	0.0
Uttar Pradesh	20479	20479	0	0.0
Uttarakhand	2162	2162	0	0.0
Northern Region	54940	53577	1363	2.5
Chattisgarh	4933	4933	0	0.0
Gujarat	28875	28875	0	0.0
Madhya Pradesh	14257	14257	0	0.0
Maharashtra	28016	28016	0	0.0
Daman & Diu	365	365	0	0.0
Dadar Nagar Haveli	888	888	0	0.0
Goa	687	687	0	0.0
Western Region	65205	65205	0	0.0
Andhra Pradesh	12032	12032	0	0.0
Telangana	14160	14160	0	0.0
Karnataka	14818	14818	0	0.0
Kerala	4364	4364	0	0.0
Tamil Nadu	16891	16891	0	0.0
Pondicherry	462	458	4	0.9
Lakshadweep #	11	11	0	0.0
Southern Region	59905	59781	124	0.2
Bihar	5545	5545	0	0.0
Damodar Valley Corporation	3401	3401	0	0.0
Jharkhand	1605	1605	0	0.0
Orissa	5688	5688	0	0.0
West Bengal	8674	8674	0	0.0
Sikkim	122	122	0	0.0
Andaman-Nicobar #	58	58	0	0.0
Eastern Region	24305	24305	0	0.0
Arunachal Pradesh	143	143	0	0.0
Assam	1901	1901	0	0.0
Manipur	225	225	0	0.0
Meghalaya	369	369	0	0.0
Mizoram	124	124	0	0.0
Nagaland	149	149	0	0.0
Tripura*	285	285	0	0.0
North -Eastern Region	3079	3079	0	0.0
All India	200737	199298	1439	0.72

Note: Power Supply Position Report has been compiled based on the data furnished by StateUtilities/
Electricity Departments

11.7 POWER SUPPLY AND SHORTAGES

Year :2021-22 up to Mar-22

State	Requirement (MU)	Availability (MU)	Surplus/Deficit (MU)	Surplus/Deficit (%)
Chandigarh	1606	1606	0	0.0
Delhi	31128	31122	-6	0.0
Haryana	55499	55209	-290	-0.5
Himachal Pradesh	12115	12088	-27	-0.2
Jammu & Kashmir	19957	18434	-1523	-7.6
Punjab	62846	62411	-435	-0.7
Rajasthan	89814	89310	-504	-0.6
Uttar Pradesh	129448	128310	-1138	-0.9
Uttarakhand	15521	15426	-95	-0.6
Northern Region	417934	413916	-4018	-1.0
Chattisgarh	31908	31872	-36	-0.1
Gujarat	123953	123666	-287	-0.2
Madhya Pradesh	86501	86455	-46	-0.1
Maharashtra	172823	172809	-14	0.0
Goa	2594	2594	0	0.0
Daman & Diu	6839	6839	0	0.0
Dadar Nagar Haveli	4448	4448	0	0.0
Western Region	429066	428683	-383	-0.1
Andhra Pradesh	68413	68219	-194	-0.3
Telangana	70539	70523	-16	0.0
Karnataka	72437	72417	-20	0.0
Kerala	26579	26570	-9	0.0
Tamil Nadu	109816	109798	-18	0.0
Pondicherry	2894	2893	-1	0.0
Lakshadweep #	56	56	0	0.0
Southern Region	350734	350476	-258	-0.1
Bihar	36216	35761	-455	-1.3
Damodar Valley Corporation	23741	23736	-5	0.0
Jharkhand	11148	10590	-558	-5.0
Orissa	38339	38332	-7	0.0
West Bengal	54001	53945	-56	-0.1
Sikkim	610	609	-1	-0.2
Andaman-Nicobar #	335	327	-8	-2.4
Eastern Region	164390	163300	-1090	-0.7
Arunachal Pradesh	875	874	-1	-0.1
Assam	10844	10825	-19	-0.2
Manipur	1019	1018	-1	-0.1
Meghalaya	2256	2243	-13	-0.6
Mizoram	656	644	-12	-1.8
Nagaland	852	851	-1	-0.1
Tripura	1578	1578	0	0.0
North-Eastern Region	18080	18033	-47	-0.3
All India	1380204	1374408	-5796	-0.4

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

Source: www.cea.nic.in

11.8 Per-Capita Consumption in kwh (World Statistics)															
Sl.No	Country	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
1	Canada	16766	16995	17053	15467	15145	16406	15558	15520	15544	15188	14844	14273	15438	15018
2	USA	13515	13616	13647	12884	13361	13227	12947	12987	12962	12833	12825	12573	13098	12744
3	Australia	11309	11216	11174	11038	10063	10514	10218	10067	10002	9892	9911	9774	9906	9897
4	Japan	8220	8475	8072	7833	8399	7847	7753	7836	7829	7865	7974	8111	8010	7935
5	France	7585	7573	7703	7494	7756	7318	7367	7382	6955	7043	7148	7209	7141	7043
6	Germany	7175	7185	7148	6781	7217	7083	7138	7022	7035	7015	6956	6947	6848	6606
7	Korea	8063	8502	8853	8980	9851	10162	10346	10428	10564	10558	10618	10564	11082	10878
8	UK	6192	6142	6067	5693	5741	5518	5452	5409	5131	5082	5033	4951	4906	4750
9	Russia	6122	6338	6443	6133	6460	6533	6602	6562	6603	6588	6715	6771	6917	6954
10	Italy	5762	5718	5656	5271	5384	5393	5277	5124	5002	5099	5081	5202	5220	5207
11	South Africa	4810	5013	4770	4532	4803	4694	4410	4328	4240	4148	4031	4004	3957	3835
12	Brazil	6060	2154	2232	2201	2384	2441	2509	2583	2578	2516	2504	2521	2570	2585
13	China	2040	2346	2471	2648	2942	3298	3475	3766	3927	4047	4279	4546	4906	5119
14	India	717	734	779	779	884	819	884	957	1010	1075	1122	1149	1181	1208
15	World	2659	2752	2782	2730	2892	2933	2972	3026	3030	3052	3110	3152	3081	3260

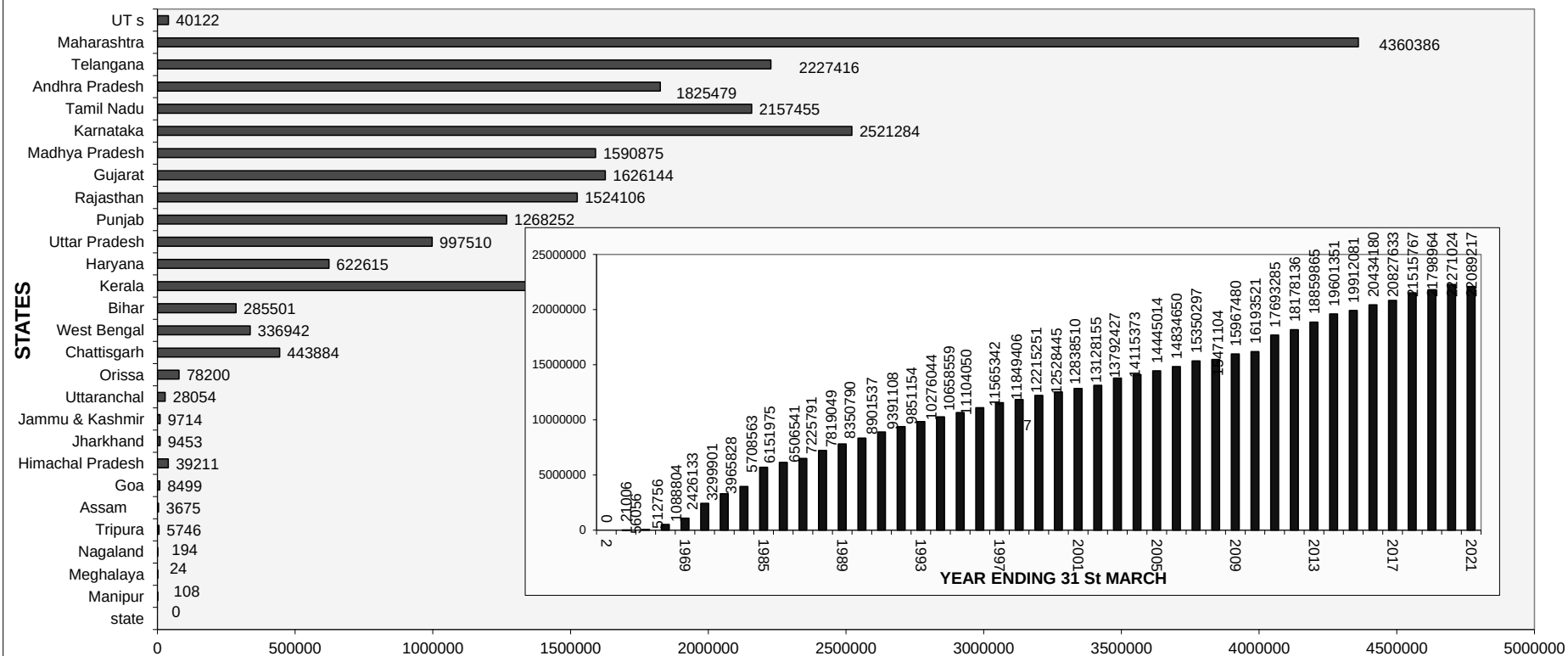
11.9 T&D Losses in (%) (World Statistics)

Sl.No	Country	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
1	Korea	3.77	3.81	3.97	4.01	3.57	3.47	3.47	3.62	3.59	3.45	3.47	3.31	3.63
2	Japan	4.80	5.16	5.23	5.04	4.98	4.79	4.87	4.56	4.3	4.51	4.04	4.54	4.75
3	Germany	5.30	5.42	4.8	4.53	4.7	4.46	4.51	4.5	4.74	4.74	4.95	4.94	5.5
4	Italy	6.35	6.20	6.56	6.87	6.46	6.61	6.87	6.46	6.42	6.15	6.01	5.78	6.1
5	Australia	7.86	7.36	7.37	7.27	5.94	5.68	6.69	5.4	6.33	6.02	5.89	5.92	6.05
6	South Africa	9.57	10.03	11.16	11.44	9.61	10.19	9.88	9.56	9.11	9.99	9.53	9.97	12.25
7	France	6.91	7.06	7.21	7.97	6.47	7.99	7.86	7.85	7.81	7.68	8.02	8.06	8.82
8	China	6.83	6.32	5.58	6.45	6.54	6.56	6.52	6.17	5.77	5.59	5.46	5.27	5.11
9	USA	6.53	6.06	6.68	6.86	6.41	6.73	6.32	6.31	6.33	5.81	5.68	5.13	6.37
10	Canada	9.62	8.87	9.1	13.97	6.27	8.19	10.4	10.63	11.72	12.04	6.45	6.11	6.38
11	UK	7.57	7.63	7.65	8.17	8.06	8.26	7.8	8.45	8.77	8.03	8.21	8.15	9.05
12	Russia	13.56	13.09	13.47	14.44	12.59	12.59	12.57	12.62	12.79	12.59	12.15	11.95	13.11
13	Brazil	15.27	15.83	16.44	19.58	16.08	16.63	16.11	15.69	15.92	16.87	16.36	16.17	20.56
14	India	25.47	25.39	23.97	23.65	23.97	23.65	23.04	22.77	21.81	21.42	21.04	20.66	20.46
	World	9.20	8.99	9.17	9.80	8.90	8.89	8.91	9.03	8.95	8.64	8.4	8.2	8.81

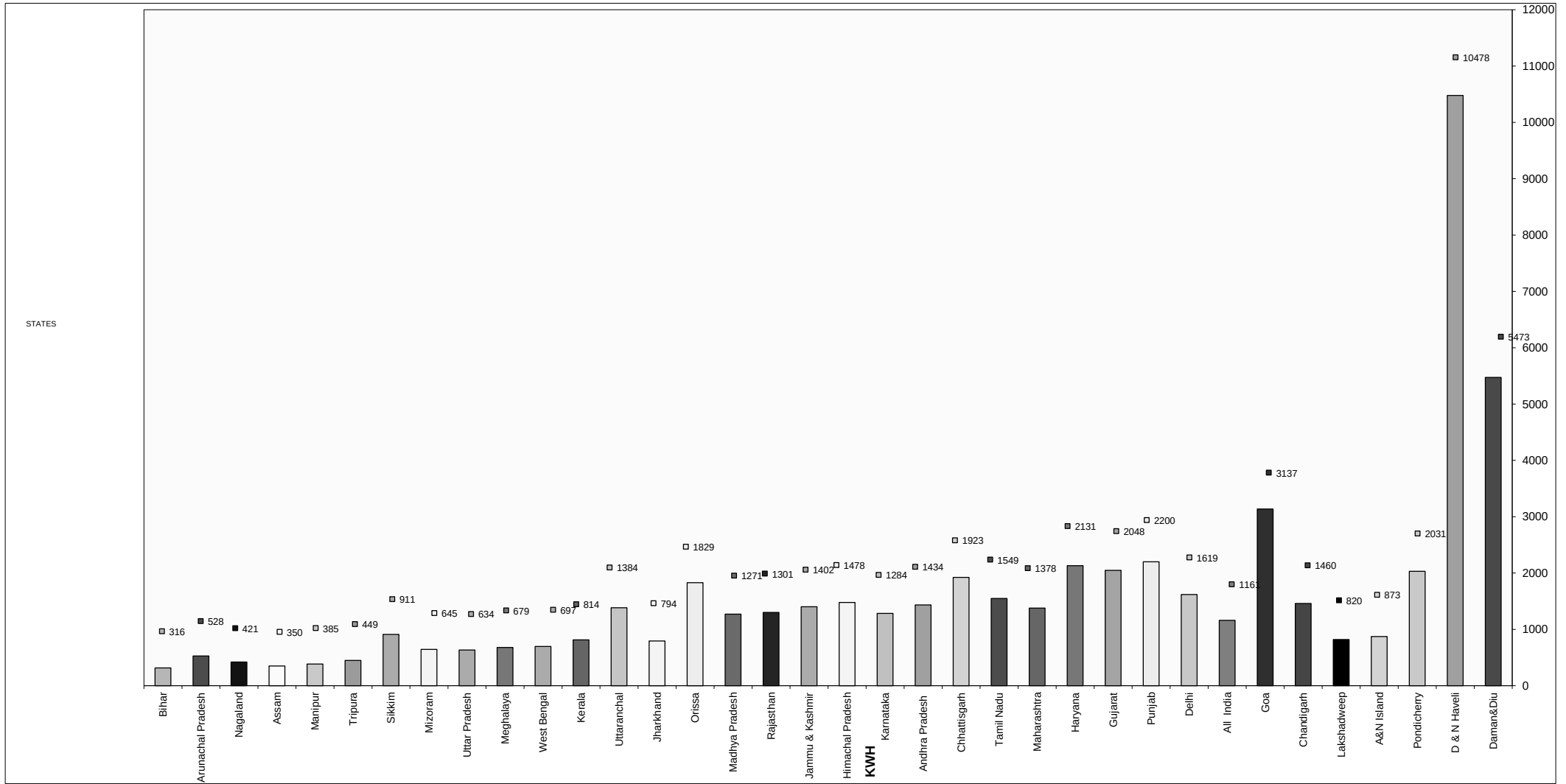
Source : CEA

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

PUMPSETS ENERGISED ALL INDIA, STATE WISE 2020-21



PER CAPITA CONSUMPTION -STATE WISE 2020-21



APPENDIX

APPENDIX - I
SYSTEM DEMAND AND LOAD FACTORS OF A.P.GRID FOR THE YEAR
2021-22

Sl. No.	Month	Demand Met in MU	Maximum Demand Met in MW	Load factor in %
1	Apr-21	6,361	11570	76.36
2	May-21	5,952	10252	78.03
3	Jun-21	5,628	10172	76.84
4	Jul-21	5,356	9654	74.58
5	Aug-21	6,146	11018	74.98
6	Sep-21	5,708	10445	75.91
7	Oct-21	5,879	9865	80.10
8	Nov-21	4,620	7865	81.59
9	Dec-21	5,148	9462	73.13
10	Jan-22	5,617	10122	74.59
11	Feb-22	5,657	11342	74.22
12	Mar-22	6,900	12032	77.08
TOTAL / MAX		68,972	12032	

As per the grid operation data (EX-Bus)

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	54950350000	10.78
55.	2019-20	10207	7.98	56116305000	2.12
56.	2020-21	11193	9.66	52666510000	-6.15
57.	2021-22	12032	7.50	58554550000	11.18

Note : ✧ reconciled figure

% increase in Energy is negative in 2020-21 due to Covid -19

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
54	31.03.2020	247890	351920	599810	93557
55	31.03.2021	265349	365128	630477	83534
56	31.03.2022	274851	304117	578968	101136

* Residual AP

APPENDIX -IV as on 31-3-2022

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	7	3500.00							7	3500.00
315.00	37	11655.00							37	11655.00
160.00	2	320.00	40	6400.00					42	6720.00
100.00	4	400.00	134	13400.00					138	13800.00
80.00			11	880.00	7	560.00			18	1440.00
60.00				0.00					0	0.00
50.00			74	3700.00	129	6450.00			203	10150.00
40.00					2	80.00			2	80.00
31.50			73	2299.50	238	7497.00			311	9796.50
30.00						0.00			0	0.00
25.00			31	775.00	8	200.00			39	975.00
20.00						0.00			0	0.00
16.00			10	160.00	115	1840.00			125	2000.00
15.00			1	15.00	6	90.00			7	105.00
12.50							13	162.50	13	162.50
10.00						0.00	44	440.00	44	440.00
8.00							1384	11072.00	1384	11072.00
7.50							1	7.50	1	7.50
5.00							3584	17920.00	3584	17920.00
3.15							199	626.85	199	626.85
3.00							7	21.00	7	21.00
1.60							1	1.60	1	1.60
1.50							2	3.00	2	3.00
0.50							0	0.00	0	0.00
	50	15875.00	374	27629.50	505	16717.00	5235	30254.45	6164	90475.95

APPENDIX -V Voltage wise as on 31-3-2022

Capacity of each Unit in MVA	400 /220KV		220 /132KV		220/33KV		220/11KV		132/66KV		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	No's	Capacity MVA
1	2	3	4	5	6	7	8	9			10	11	12	13	14	15	16	17
500.00	7	3500.00															7	3500.00
315.00	37	11655.00															37	11655.00
160.00		0.00	42	6720.00													42	6720.00
100.00	4	400.00	134	13400.00													138	13800.00
80.00					2	160.00					16	1280.00					18	1440.00
60.00																	0	0.00
50.00					9	450.00	4	200.00			190	9500.00					203	10150.00
40.00									2	80.00							2	80.00
31.50					10	315.00	6	189.00			295	9292.50					311	9796.50
30.00																	0	0.00
25.00							28	700.00			7	175.00	4	100.00			39	975.00
16.00											122	1952.00	3	48.00			125	2000.00
15.00											7	105.00					7	105.00
12.50															13	162.5	13	162.50
10.00															44	440.0	44	440.00
8.00															1384	11072.0	1384	11072.00
7.50															1	7.5	1	7.50
5.00															3584	17920.0	3584	17920.00
3.15															199	626.9	199	626.85
3.00															7	21.0	7	21.00
1.60															1	1.6	1	1.60
1.50															2	3.0	2	3.00
0.50															0	0.0	0	0.00
	48	15555.00	176	20120.00	21	925.00	38	1089.00	2	80.00	637	22304.50	7	148	5235	30254	6164	90475.95

APPENDIX - VI DISTRIBUTION TRANSFORMERS AS ON 31-3-2022																																			
Sl. No	Name of the Circle																								Quantity in Numbers (Capacity wise kVA) 1-Phase							Total Nos.	Total Capacity in KVA		
		1500	1000	750	600	500	400	315	300	250	200	160	150	125	100	75	63	50	40	25	16	15	Total 3 Phase	Capacity	75	50	25	16	15	10	5			Total	Capacity
1	Srikakulam	0	0	0	0	0	0	3	0	10	6	256	5	0	2362	7	2604	27	1306	2712	6499	0	15797	672506	0	0	0	942	6875	11	5	7833	118332	23630	790838
2	Vizianagaram	0	0	0	0	3	2	15	0	19	2	394	0	0	2517	10	2598	31	1354	3406	5544	0	15895	720903	0	0	0	1735	4922	83	7	6747	102455	22642	823358
3	Visakhapatnam	0	0	0	0	368	2	582	0	95	4	2592	5	0	7156	19	5417	32	3635	5375	11254	0	36536	2327885	0	0	0	0	7479	111	39	7629	113490	44165	2441375
4	East Godavari	0	0	0	0	26	0	88	0	93	9	1566	7	0	9665	76	7082	183	8037	11381	14915	565	53693	2598016	0	0	0	5687	13856	347	46	19936	302532	73629	2900548
5	West Godavari	0	0	0	0	14	6	79	0	67	14	1480	5	0	9398	58	10536	172	18923	28324	25601	5	94682	3782614	0	0	0	4515	12211	186	98	17010	257755	111692	4040369
	EPDCL Total	0	0	0	0	411	10	767	0	284	35	6288	22	0	31098	170	28237	445	33255	51198	63813	570	216603	10101924	0	0	0	12879	45343	738	195	59155	894564	275758	10996488
6	Krishna	0	0	0	0	15	0	703	0	248	18	2862	0	0	11975	110	9609	293	610	32595	30	0	59068	3417987	0	8955	45	3836	12539	232	540	17192	255606	76260	3673593
7	Guntur	0	0	0	0	53	0	358	1	185	12	1400	2	1	7871	75	5121	151	273	29128	11569	0	56200	2459767	0	0	0	0	11408	79	250	11737	173160	67937	2632927
	CRDA	1	4	0	0	21	0	160	0	45	3	370	1	1	2040	27	1107	35	43	1721	1301	0	6880	475302	0	0	0	0	2520	22	64	2606	38340	9486	513642
8	Ongole	1	0	0	0	15	9	125	0	83	12	768	1	1	6351	22	4809	19	105	52141	16956	525	81943	2724343	0	0	405	362	10286	3279	56	14388	203277	96331	2927620
	CPDCL Total	2	4	0	0	411	10	767	0	284	35	6288	22	0	31098	170	28237	445	33255	51198	63813	570	204091	10101924	0	8955	450	4198	36753	3612	910	45923	670383	250014	9747782
9	Nellore	0	0	0	0	10	3	275	2	156	14	1209	0	2	7768	15	7041	30	144	34155	26046	1584	78454	2852054	5	10	60	2645	11230	244	568	14762	218925	93216	3070979
10	Tirupati	0	0	0	3	18	2	391	1	123	14	1056	1	0	5617	52	2538	72	167	67224	38959	13415	129653	3576868	1	9	6829	5385	15142	12635	435	40436	613065	170089	4189933
11	Kadapa	0	0	0	0	10	1	93	0	87	6	677	3	0	4550	6	2030	24	266	64628	44928	968	118277	3110663	1	9	19	3133	9332	198	434	13126	195258	131403	3305921
12	Anantapur	0	0	0	0	7	0	65	0	41	9	739	0	0	6025	85	3589	170	32	117297	31796	12	159867	4440368	0	2	938	2561	8778	4900	1	17180	245201	177047	4685569
13	Kurnool	0	0	0	0	3	1	143	0	61	13	1152	0	0	5117	15	4279	82	129	63994	11194	0	86183	2819731	5	13	1118	2129	8508	4235	4	16012	233029	102195	3052760
	SPDCL Total	0	0	0	3	48	7	967	3	468	56	4833	4	2	29077	173	19477	378	738	347298	152923	15979	572434	16799684	12	43	8964	15853	52990	22212	1442	101516	1504978	673950	18305162
	STATE TOTAL	2	4	0	3	870	27	2501	3	1036	126	17409	48	2	91273	513	75951	1268	67248	449694	280549	17119	993128	37003532	12	8998	9414	32930	135086	26562	2547	206594	3069925	1199722	39049432

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
53.	31.03.2020	1020639	35856048	1001
54.	31.03.2021	1128324	37213518	902
55.	31.03.2022	1199722	39049432	912

* From 2015 the data is for Residual AP

APPENDIX - VIII

SERVICES AND CONNECTED LOAD AS ON 31-03-2022 (with including R.E.S.CO-OPERATIVES Services)

S.No.	District	Unit	Domestic Supply	Commercial Supply	Industrial	Institutional	Agricultural including RESCOs	Total (LT) (4 to 8)	Total H.T	Total H.T + L.T
1	2	3	4	5	6	7	8	9	10	11
	EPDCL									
1	SRIKAKULAM									
a)	Services released during 2021-22	Nos.	21521	7626	69	994	2474	32684	37	32721
b)	Services as on 31-03-2022	Nos.	769028	72187	2791	21271	29451	894728	463	895191
c)	Connected Load as on 31-03-2022	KW	416349	118907.27	72839	33676.12	100254.24	742026	222687	964713
2	VIZIANAGARAM									
a)	Services released during 2021-22	Nos.	15878	6132	44	407	3459	25920	17	25937
b)	Services as on 31-03-2022	Nos.	657526	65636	2812	14194	43876	784044	360	784404
c)	Connected Load as on 31-03-2022	KW	549710	125691.30	57734	24849.96	148979.10	906964	428612	1335576
3	VISAKHAPATNAM									
a)	Services released during 2021-22	Nos.	42074	11405	73	880	1827	56259	146	56405
b)	Services as on 31-03-2022	Nos.	1454546	162508	4791	28736	47409	1697990	1646	1699636
c)	Connected Load as on 31-03-2022	KW	2009913	476912.07	106365	61211.26	180531.65	2834934	1510876	4345810
4	EAST GODAVARI									
a)	Services released during 2021-22	Nos.	49609	14666	161	795	3022	68253	88	68341
b)	Services as on 31-03-2022	Nos.	1586078	180615	6414	36647	60903	1870657	1181	1871838
c)	Connected Load as on 31-03-2022	KW	1559856	359458.61	141151	69965.91	620012.81	2750444	674542	3424986
5	WEST GODAVARI									
a)	Services released during 2021-22	Nos.	38940	11906	87	522	3164	54619	55	54674
b)	Services as on 31-03-2022	Nos.	1218626	147209	4603	28410	122050	1520898	889	1521787
c)	Connected Load as on 31-03-2022	KW	1369586	301829.99	117069	61776.28	1488102.58	3338364	579998	3918362
	TOTAL EPDCL									
a)	Services released during 2021-22	Nos.	168022	51735	434	3598	13946	237735	343	238078
b)	Services as on 31-03-2022	Nos.	5685804	628155	21411	129258	303689	6768317	4539	6772856
c)	Connected Load as on 31-03-2022	KW	5905414	1382799	495159	251480	2537880	10572733	3416715	13989448
6	KRISHNA									
a)	Services released during 2021-22	Nos.	39732	10521	140	1021	3076	54490	129	54619
b)	Services as on 31-03-2022	Nos.	1436629	175773	7185	26444	124245	1770276	1524	1771800
c)	Connected Load as on 31-03-2022	KW	2468255	638629	437733	105836	1664539	5314991	500159	5815149
7	GUNTUR									
a)	Services released during 2021-22	Nos.	49779	12557	155	773	6011	69275	137	69412
b)	Services as on 31-03-2022	Nos.	1551284	170917	6701	26181	121789	1876872	1621	1878493
c)	Connected Load as on 31-03-2022	KW	2105941	529509	508388	87379	1095598	4326815	690178	5016993
8	PRAKASAM									
a)	Services released during 2021-22	Nos.	28166	8088	171	331	9835	46591	96	46687
b)	Services as on 31-03-2022	Nos.	970787	92956	5758	18426	184377	1272304	1066	1273370
c)	Connected Load as on 31-03-2022	KW	1022634	247410	429939	61541	1732506	3494030	327803	3821833
	TOTAL CPDCL									
a)	Services released during 2021-22	Nos.	117677	31166	466	2125	18922	170356	362	170718
b)	Services as on 31-03-2022	Nos.	3958700	439646	19644	71051	430411	4919452	4211	4923663
c)	Connected Load as on 31-03-2022	KW	5596829	1415548	1376059	254756	4492643	13135836	1518139	14653975

S.No.	District	Unit	Domestic Supply	Commercial Supply	Industrial	Institutional	Agricultural including RESCOs	Total (LT) (4 to 8)	Total H.T	Total H.T + L.T
1	2	3	4	5	6	7	8	9	10	11
9	NELLORE									
a)	Services released during 2021-22	Nos.	29994	7067	118	825	729	38733	53	38786
b)	Services as on 31-03-2022	Nos.	1133924	119252	8550	36190	186722	1484638	1047	1485685.4
c)	Connected Load as on 31-03-2022	KW	1159863	241143	83800	56977	793269	2335052	478137	2813189
10	CHITTOOR									
a)	Services released during 2021-22	Nos.	39957	9724	540	922	4323	55466	298	55764
b)	Services as on 31-03-2022	Nos.	1420039	159779	21354	57573	264317	1923062	1759	1924821.4
c)	Connected Load as on 31-03-2022	KW	1629888	384759	151455	124956	1035389	3326448	833231	4159679
11	KADAPA									
a)	Services released during 2021-22	Nos.	25333	7061	163	780	4067	37404	32	37436
b)	Services as on 31-03-2022	Nos.	917030	97583	7247	35448	159347	1216655	766	1217421.4
c)	Connected Load as on 31-03-2022	KW	1003369	206392	98360	84177	763601	2155899	384094	2539993
12	ANANTAPUR									
a)	Services released during 2021-22	Nos.	33533	9349	492	642	24383	68399	56	68455
b)	Services as on 31-03-2022	Nos.	1246552	130271	15049	36927	293940	1722739	1070	1723809.4
c)	Connected Load as on 31-03-2022	KW	743859	241492	139811	80641	1194851	2400654	842567	3243221.49
13	KURNOOL									
a)	Services released during 2021-22	Nos.	35302	9626	209	1178	4906	51221	51	51272
b)	Services as on 31-03-2022	Nos.	1191738	133721	10922	32255	187053	1555689	925	1556614
c)	Connected Load as on 31-03-2022	KW	761300	243238	158980	70534	626880	1860932	782309	2643241
TOTAL (SPDCL)										
a)	Services released during 2021-22	Nos.	164119	42827	1522	4347	38408	251223	490	251713
b)	Services as on 31-03-2022	Nos.	5909283	640606	63124	198393	1091379	7902785	5567	7908352
c)	Connected Load as on 31-03-2022	KW	5298280	1317024	632405	417285	4413991	12078985	3320339	15399324
TOTAL FOR A.P.STATE										
a)	Services released during 2021-22	Nos.	449818	125728	2422	10070	71276	659314	1195	660509
b)	Services as on 31-03-2022	Nos.	15553787	1708407	104179	398702	1825479	19590554	14317	19604871
c)	Connected Load as on 31-03-2022	KW	16800523	4115372	2503624	923521	11444514	35787553	8255193	44042746

APPENDIX IX- CATEGORY-WISE SERVICES AS ON 31.3.2022
(with R.E.S.CO-OPERATIVES Services)

S.No.	DISTRICT	L.T.CATEGORY						H.T.	TOTAL
		I	II	III	IV	V	Total LT		
1	SRIKAKULAM	769028	72187	2791	21271	29451	894728	463	895191
2	VIZIANAGARAM	657526	65636	2812	14194	43876	784044	360	784404
3	VISAKHAPATNAM	1454546	162508	4791	28736	47409	1697990	1646	1699636
4	EAST GODAVARI	1586078	180615	6414	36647	60903	1870657	1181	1871838
5	WEST GODAVARI	1218626	147209	4603	28410	122050	1520898	889	1521787
TOTAL APEPDCL		5685804	628155	21411	129258	303689	6768317	4539	6772856
6	KRISHNA	1436629	175773	7185	26444	124245	1770276	1524	1771800
7	GUNTUR	1551284	170917	6701	26181	121789	1876872	1621	1878493
8	PRAKASAM	970787	92956	5758	18426	184377	1272304	1066	1273370
TOTAL APCPDCL		3958700	439646	19644	71051	430411	4919452	4211	4923663
9	NELLORE	1133924	119252	8550.4	36190	186722	1484638	1047	1485685.4
10	CHITTOOR	1420039	159779	21354.4	57573	264317	1923062	1759	1924821
11	KADAPA	917030	97583	7247.4	35448	159347	1216655	766	1217421.4
12	ANANTAPUR	1246552	130271	15049.4	36927	293940	1722739	1070	1723809.4
13	KURNOOL	1191738	133721	10922.4	32255	187053	1555689	925	1556614.4
	TOTAL APSPDCL	5909283	640606	63124	198393	1091379	7902785	5567	7908352
TOTAL FOR A.P.STATE		15553787	1708407	104179	398702	1825479	19590554	14317	19604871

APPENDIX -X
DISCOM - WISE ENERGY SALES
DURING 2021-22 (MU) LT & HT

Category	Units (MU)	Revenue Realised (Rs. Crs)	Average Realisation Rs./kwh
LT			
Domestic	17347.53	6190.35	3.57
Non-domestic	2968.84	2931.09	9.87
Industrial	1529.07	1246.67	8.15
Institutional/STLs CAT.IV	1414.03	1112.99	7.87
Agriculture, LIS , Aqua, Poultry etc.,	12372.39	1094.50	0.88
Total LT	35631.86	12575.60	3.53
HT			
Towships & Colonies CAT.I	59.76	125.62	21.02
Commercial Cat.II & Others	1478.16	5232.40	35.40
General Industries - Cat.III	17471.23	32480.63	18.59
Institutional (Religious,Rly.,PWS) Cat.IV	2251.12	5203.05	23.11
Agriculture	1194.38	1497.55	12.54
RESCOs	468.04	71.59	1.53
Total HT	22922.69	44610.84	19.46
Total LT + HT	58554.55	57186.44	9.77

APPENDIX XI

Percapita consumption All figures in Kwh (Units)

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

Sl. No	District	2020-21				2021-22			
		Domestic	Agricultural	Industrial (Including cottage and H.T)	All Categories	Domestic	Agricultural	Industrial (Including cottage and H.T)	All Categories
1	Srikakulam	238	48	251	537	242	35	160	609
2	Vizianagaram	227	52	658	938	248	65	725	1182
3	Visakhapatnam	382	38	1234	1654	432	49	1097	1978
4	East Godavari	379	209	285	873	394	221	212	979
5	West Godavari	397	659	406	1462	411	710	335	1632
6	Krishna	469	168	167	955	522	152	260	1356
7	Guntur	416	39	253	833	473	136	362	1212
8	Prakasam	290	63	203	643	342	106	294	947
9	Nellore	386	441	417	1296	410	439	531	1443
10	Chittoor	279	400	456	1285	291	339	609	1411
11	Cuddapah	294	457	267	1063	309	437	354	1153
12	Anantapur	214	624	407	1283	224	591	509	1369
13	Kurnool	249	503	185	977	262	440	263	1012
ANDHRA PRADESH					1198(*)				1285(*)

(*) State Per capita

APPENDIX - XII

SCHEMEWISE CAPITAL OUTLAY - APTRANSCO FOR FY 2021-22			(Rs. in Crores)
Sl.No.	Scheme Code	Description	Approved Amount
1	SI-16-05	132/33KV GIS SS at Mogalrajpuram	16.41
2	SI-18-03	132 & 33KV features at 220/11KV SS Ramavaram	
3	AG-10-01	Augmentation of PTR, CE (LIS) TOO MS No.222	
4	SI-15-08	132/33KV SS at Rapur, Nellore Dist.	
5	SI-17-17	Erection of 220KV & 132KV SS under VCIC	134.67
6	SI-15-25	400KV SS at Rachaguneri & other EHT SS	
7	PE-12-03	Wind Power evacuation Phase -II (Ananthapur, kadapa and Kurnool)	
8	SI-17-07	125 MVAR bus reactors at Chittoor, Sattenapalli	
9	RM-16-02	RNV & UG protection system CE Trans. MS No.298	345.27
10	AG-16-14	Augmentation of PTRs at 6Nos SS at Kadapa Zone-WB TOO 364	
11	AG-16-12	Augmentation of PTRs at 7Nos SS at VJA Zone-WB TOO 361	
12	AG-16-07	Augmentation of PTR capacity at EHT SS , MS No. 360	
13	SI-16-18	132/33KV SS at Satellite city Kadapa	
14	SI-16-11	Erection of 132/33KV SS T. Sundupalli	
15	SI-16-08	132/33KV at East Gangavaram, Prakasam Dist.	
16	SI-16-07	132/33KV SS at Chinnarykatla, Prakasam Dist.	
17	SI-15-28	132/33KV SS at Penumur, Chittoor Dist.	
18	SI-15-04	132/33KV SS at Kadivedu, Nellore Dist.	
19	PE-12-02	PE wind power evacuation at Anantapur,Kadapa and Kurnool Dist.	
20	SI-19-11	220/132/33KV SS at Tiruvuru in Krishna Dist.	
21	SI-19-10	Erection of 125MVAR 400KV Bus Reactors	
22	SI-19-09	132KV DC XLPE UG CBL 220KV-132KV Ongole	
23	SI-19-06	132/33KV SS Ananthasagaram in Nellore Dist.	
24	SI-12-17	220/132KV SS Dharmavaram in Ananthapuram Dist.	
25	SI-14-07	400/220KV SS at Podili in Prakasam Dist.	
26	RM-19-01	RMI works FY 2019-20 CE Trans.MS No.1273	
27	SI-18-01	Erection of 400KV GIS at Thallayapalem	
28	PE-18-01	960MW Hydro Power Project at Polavaram	34.54
29	TL-17-02	Reliable Communication and Data Acquisition	
30	AG-10-01	Augmentation of PTR CE(LIS) TOO MS No.222	
31	SI-18-03	132 & 33KV Features at 220/11KV SS Ramavaram	
32	SI-16-05	132/33KV GIS SS at Moghalrajpuram	20.96
33	BL-19-01	Ext. of 132KV Sup-CMD 6MVA-RTSS Raydurg	
34	BL-18-02	Ext.of EHT Sup-8MVA - RTSS Tanuku	
35	LI-12-01	Ext. of Supply HNSS PH-II PNGR BC, ATP BL	
36	LI-12-04	HNSS PH-II Madakasira BC ATPDist. BL	296.28
37	DC-17-11	Installation of Metering Equipment- RTSS Feeders	
38	DC-17-10	Diversion of EHT OH Lines from CRDA area	
39	SI-20-03	Erection of 132KV SS Galiveedu in Kadap Dist.	
40	SI-10-01	Erection of 132KV SS at Narasapuram in Krishna Dist.	
41	SI-12-07	400KV Garividi SS Vijayanagam Dist.	
42	SI-15-01	220/132KV SS Nuziveedu, Krishna Dist.	
43	SI-10-06	132/33KV Pedavaltair SS (Pass) Vizag Dist.	
44	DC-20-04	33KV Bay at 220KV SS Markapur for HPCL	
45	DC-18-08	Ultra Mega Solar park 1000MW- Mylavaram	
46	PE-20-03	600MW Solar ParkPh-lat Chendrasekharapuram	
47	SL-20-04	R/O COND WIT AL59ZEBRA-132KV GWK-SLM-GWK	
48	DC-21-04	Civil Works for APSECM Office in VS,VJA	
49	PE-07-02	Vijayawada Power Transmission Scheme	296.28
1		Schemes under normal plan	
2		Schemes PSDF funding	
3		Schemes under REC funding	
4		Schemes under DC/ Bulk loads works (Lift Irrigation)	
5		Schemes under DC/ Bulk loads works (Construction)	
6		Schemes under PFC funding	
7		Schemes under Govt. funding	134.67
		Total	853.51

Appendix - XIII
CONSOLIDATED BALANCE SHEET (T+D(EPDCL+SPDCL & CPDCL))
CONSOLIDATED BALANCE SHEET FOR THE YEAR 2021-22

(Rs. in Crores)

Schedule Note	Transco	EPDCL	SPDCL	CPDCL	As at 31st march 2022
NET ASSETS :					
Net Fixed Assets					
Gross Block	15248.79	7245.61	14097.87	12901.61	49493.88
Less: Accumulated Depreciation	(6508.53)	(2130.64)	(7391.96)	(6652.44)	-22683.57
Net Fixed Assets	8740.26	5114.97	6705.91	6249.17	26810.31
Capital Expenditure in progress	2868.26	379.40	2327.34	1851.68	7426.68
Asset not in use	0.00	0.00	0.00	0.00	0.00
Deferred Costs/ Deferred Tax Asset	0.00	0.00	0.00	0.00	0.00
Intangible Assets	518.69	2.73	245.30	240.29	1007.01
Investments	126.12	242.02	184.55	184.55	737.24
Net Current Assets					0.00
Total Current Assets	3274.49	13100.58	23724.39	22838.02	62937.48
Less: Total Current Liabilities					0.00
Security Deposits from Consumers	0.00	2351.79	2278.09	1909.04	6538.92
Other Current Liabilities	2789.12	7680.20	16775.15	19386.96	46631.43
Total Current Liabilities	2789.12	10031.99	19053.24	21296.00	53170.35
Net Current Assets	485.37	3068.59	4671.15	1542.02	9767.13
Subsidy Receivable from Government	0.00	0.00	0.00	0.00	0.00
Accumulated Deficit	0.00	0.00	0.00	0.00	0.00
NET ASSETS :	12738.70	8807.71	14134.25	10067.71	45748.37
FINANCED BY:					
Borrowings for working capital	897.07	1152.54	4208.85	983.87	7242.33
Payments due on Capital Liabilities	0.00	0.00	0.00	0.00	0.00
Capital Liabilities					0.00
Long term Provisions	1378.83	898.37	2761.40	1452.63	6491.23
Other Long term Liabilities	4965.74	7800.03	17528.00	9153.34	39447.11
Funds from State Government/grants	620.50	155.33	9.48	0.00	785.31
GOAP equity	454.44	121.23	358.72	0.10	934.49
towards cost of Capital Assets	1287.03	5743.11	2765.50	2034.90	11830.54
Reserve and Reserve Funds	1267.59	192.54	317.12	2554.19	4331.44
Deferred Tax Liability	1.52	2.20	0.00	0.00	3.72
Surplus	1865.98	(7257.64)	(13814.82)	(10207.94)	(29414.42)
TOTAL FUNDS	12738.70	8807.71	14134.25	5971.09	41651.75

Appendix -XIV
Consolidated Profit and Loss Account for the year 2021-22

(Rs. in Crores)

Particulars	TRANSCO	EPDCL	SPDCL	CPDCL	Total (D)	Total (T+D)
A.Revenue						
Revenue from Sale of Power	0.00	11729.69	14690.94	7602.14	34022.77	34022.77
Transmission & SLDC charges-Discoms	0.00	0.00	0.00	0.00	0.00	0.00
Transmission & SLDC charges (Annual fee,Open Access)	2574.49	0.00	0.00	0.00	0.00	2574.49
Inter State Sale of Power/UI Charges	0.00	16.94	18.94	10.94	46.82	46.82
Capital Contributions	78.59	206.91	255.40	190.75	653.06	731.65
Less: Electricity Duty	0.00	120.21	92.88	70.79	283.88	283.88
	2653.08	11953.54	14872.40	7733.04	34438.77	37091.85
Revenue Subsidies and Grants	0.00	2901.25	3649.00	1495.50	8045.75	8045.75
Other Income	108.66	1327.80	1212.62	583.41	3123.83	3232.49
Total Revenue :	2761.74	16062.38	19734.02	9811.95	45608.35	48370.09
B.Operating expenses						
Purchase of Power	0.00	12894.95	17147.75	7830.79	37873.49	37873.49
Transmission & SLDC Charges	0.00	0.00	0.00	0.00	0.00	0.00
Repairs & Maintenance	210.03	205.56	288.28	148.00	641.84	851.87
Employee Costs	1042.16	1260.02	2704.73	1363.49	5328.24	6370.40
Administration & General Expenses	77.44	104.48	111.95	19.97	236.40	313.84
Depreciation	755.35	349.88	748.28	456.21	1554.37	2309.72
Incentive to HT Consumers	0.00	0.00	0.00	0.00	0.00	0.00
Interest and Finance Charges	599.15	949.44	1051.93	908.81	2910.18	3509.33
Sub-Total	2684.13	15764.33	22052.92	10727.27	48544.52	51228.65
Less: Expenses Capitalised						
R&M, Employee Costs,Adm,etc	115.57	93.15	132.59	79.57	305.31	420.88
Interest and Finance Charges	124.50	5.58	132.07	34.89	172.54	297.04
	240.07	98.73	264.66	114.46	477.85	717.92
Other debits (Misc.write offs etc.)	0.00	0.00	0.00	0.00	0.00	0.00
Expenditure on cyclone works (Net)	0.00	0.00	0.00	0.00	0.00	0.00
Sub-Total	0.00	0.00	0.00	0.00	0.00	0.00
Total Expenditure	2444.06	15665.60	21788.26	10612.81	48066.67	50510.73
Contingency Reserve	0.00	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	0.00
Profit/(Loss) Before Tax	317.68	396.78	(2054.24)	(800.86)	(2458.32)	(2140.64)
Extra ordinary item	0.00	0.00	0.00	0.00	0.00	0.00
MAT Credit entitlement of earlier years	4.22	0.00	0.00	0.00	0.00	4.22
Provision for Income Tax & FBT	58.90	0.00	0.00	0.00	0.00	58.90
Provision for Deferred Tax	11.74	0.00	0.00	0.00	0.00	11.74
Profit/(Loss) After Tax	242.81	396.78	(2054.24)	(800.86)	(2458.31)	(2215.50)
Net Surplus (+)/Loss(-)	242.81	396.78	(2054.24)	(800.86)	(2458.31)	(2215.50)

Appendix -XV

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

(Rs. in Crores)

Particulars	This Year 2021-22 T & D (EPDCL,SPDCL& CPDCL)
Balance brought forward from last year	(27198.92)
Surplus/(Deficit) from Revenue Account	(2215.50)
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	
Sinking Fund for Repayment of borrowings	
General Reserve	
Special safety Reserve	
Balance carried forward	(29414.42)

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

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