

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

2022-23



**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) 2022-23**”. It is the Twenty Third- edition published post power sector reforms in Andhra Pradesh and Ninth 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) 2022-23” 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 31.03.2023

S.No.	Item	Unit	As on 31-03-2022	Achievement in 2022-23	As on 31-03-2023
1.	INSTALLED CAPACITY (AP Share)				
a)	State Sector				
1	Thermal	MW	3410.000	0.00	3410.000
2	Hydel	MW	1773.600	0.00	1773.600
3	Solar	MW	405.426	0.00	405.426
4	AP Power Development Corp.Ltd	MW	1440.000	800.00	2240.000
5	GGPP(Jegurupadu (GVK))	MW	216.000	0.00	216.000
	TOTAL STATE SECTOR	MW	7245.026	800.00	8045.026
b)	Private Sector				
1	IPPs	MW	1961.320	625.000	2586.320
2	Small Hydro	MW	27.350	1.200	28.550
3	Wind	MW	3767.950	-129.000	3638.950
4	Co-Generation (Biomass+ Biomass Co-generation & Bagasse Co-generation)	MW	202.000	-56.000	146.000
5	Others (Municipal waste+Industrial waste)	MW	57.810	0.000	57.810
6	Solar	MW	3350.200	0.000	3350.200
	TOTAL PRIVATE SECTOR	MW	9366.630	441.200	9807.830
d)	Share from Central Sector				
1	N.T.P.C Ramagundam -(1-6)	MW	287.810	0.040	289.077
2	N.T.P.C Ramagundam -7	MW	72.280	0.010	72.572
3	N.T.P.C.Talcher Stage II (Units 3,4,5&6)	MW	180.230	0.030	181.103
4	Simhadri TPS (NTPC) -Stg 1	MW	461.100	0.000	461.1
5	Simhadri TPS (NTPC) -Stg 2	MW	209.800	-0.300	216.783
6	Neyveli (Tamilnadu)stage-I	MW	46.700	0.010	46.797
7	Neyveli (Tamilnadu)stage-II	MW	85.610	0.060	85.721
8	Vallur Stage 1,2 & 3	MW	86.150	0.000	86.288
9	Tuticorin , Tamilnadu	MW	121.330	0.010	121.449
10	M.A.P.P (Tamilnadu)	MW	18.130	0.000	18.136
11	Kaiga Nuclear power plant I & II	MW	55.210	0.010	55.287
12	Kaiga Nuclear power plant III & IV	MW	58.900	0.010	58.977
13	Kudankulam Unit1	MW	0.000	0.000	1.71
14	NTPC (Kudgi)	MW	244.560	0.000	226.209
15	New Neyveli Thermal power station (NNTPS)	MW	52.700	0.000	52.699
16	NLC TPS-I EXP	MW	0.000	2.155	2.155
17	NLC TPS-II EXP	MW	0.000	2.565	2.565
	TOTAL SHARE FROM CENTRAL SECT	MW	1980.510	-1.882	1978.628
	Grand Total (State + Private + Central)	MW	18592.166	1239.318	19831.484
2.	Length of Lines				
a)	400 KV	Ckm	5476.43	6.79	5483.211
b)	220 KV	Ckm	12182.39	124.85	12307.24
c)	132 KV	Ckm	13541.44	333.57	13875.01
d)	33 KV	km	29075.27	464.27	29539.54
e)	11 KV	km	274851.25	16143.39	290994.64
f)	L.T.	km	304116.82	16855.78	320972.60
	TOTAL	Ckm	639243.59	33928.65	673172.23
3.	Sub-Stations :				
a)	400 KV	Nos.	16	1	17
b)	220 KV	Nos.	103	3	106
c)	132 KV	Nos.	232	5	237
d)	33 KV	Nos.	3286	54	3340
	TOTAL	Nos.	3637	63	3700
4.	Distribution Transformers				
		Nos.	1199722	69347	1269069

SALIENT FEATURES OF APTRANSCO, APGENCO, and DISCOMs as on 31.03.2023

S.No.	Item	Unit	As on 31-03-2022 (Provl)	As on 31-03-2023 (Provl)
5.	Electrification of Towns, Villages, Hamlets, etc. (As per 2011 Census)			
	EXISTING			
a)	Towns	Nos.	195	195
		%	100%	100%
b)	Villages	Nos.	16158	16158
		%	100%	100%
c)	Hamlets	Nos.	30103	30103
		%	100%	100%
d)	Dalitwadass	Nos.	35253	35253
		%	100%	100%
e)	Weaker Section Colonies	Nos.	21332	21332
		%	100%	100%
f)	Tribal Hamlets/ Habitations	Nos.	8267	8267
		%	100.00%	100%
6.	Consumers served *			
A)	L.T.Category			
a)	Domestic -I	Nos.	15553787	15848818
b)	Non-domestic/Commercial-II	Nos.	1708407	1788772
c)	Industrial -III	Nos.	104179	104461
d)	Institutional -IV	Nos.	398702	371019
e)	Agricultural -V	Nos.	1974719	2098939
	L.T.Total (a to h)	Nos.	19739794	20212009
B)	H.T.Total			
	Grand Total (A+B)	Nos.	19754111	20227189
7.	Connected Load			
A)	L.T.Category			
a)	Domestic -I	MW	16800.52	17634.71
b)	Non-domestic/Commercial-II	MW	4115.37	6109.37
c)	Industrial -III	MW	2503.62	3309.23
d)	Institutional -IV	MW	923.52	1967.56
e)	Agricultural (Including RESCOs) -V	MW	11444.51	16826.09
	L.T.Total (a to h)	MW	35787.55	45846.96
B)	H.T.Total			
	Grand Total (A+B)	MW	44042.75	55755.11
			During 2021-22	During 2022-23
8	Energy from APGENCO			
	1. Thermal	MU	22009.99	24643.48
	2. Hydel	MU	3698.07	4216.76
	TOTAL	MU	25708.06	28860.24
	Energy from others	MU	43264.57	43605.24
	Total Energy (8+9)	MU	68972.63	72465.48

SALIENT FEATURES OF APTRANSCO, APGENCO, and DISCOMs as on 31.03.2023

9	Energy Sales category-wise:		During 2021-22	During 2022-23
A)	L.T.Category			
a)	Domestic -I	MU	17347.53	17318.86
b)	Non-domestic/Commercial-II	MU	2968.84	3437.53
c)	Industrial -III	MU	1529.07	1514.66
d)	Institutional -IV	MU	1414.03	1575.01
e)	Agricultural (LIS,Aqua, Poultry etc.) -V	MU	12372.39	13843.34
	L.T.Total	MU	35631.86	37689.39
B)	H.T.Category			
a)	Domestic -I (Town ships & Colonies)	MU	59.76	60.99
b)	Non-domestic/Commercial-II	MU	1478.16	1828.45
c)	General Industrial -III	MU	17471.23	20006.27
d)	Institutional -IV (Religious, Railway,PWS)	MU	2251.12	2752.03
e)	Agricultural (LIS,Aqua, Poultry etc.) -V	MU	1194.38	1051.78
f)	RESCOs	MU	468.04	435.93
B)	H.T.Total	MU	22922.69	26135.45
C)	Total (L.T + H.T)	MU	58554.55	63824.84
10	Total Sales by Discoms including wheeling	MU	62278.81	64917.77
11	Transmission losses	%	2.76	2.61
12	Distribution losses	%	7.38	7.12
13	T & D Losses	%	9.76	9.39
14	Maximum demand during the year	MW	12032 MW (28/03/2022)	12293 MW (08/04/2022)
15	Revenue			
a)	By sale of Power	Rs. Crores	34022.77	44780.46
b)	By sale of Power-inter state	Rs. Crores	46.82	850.05
c)	Transmission,SLDC,/Miscellaneous/Others	Rs. Crores	6538.63	7378.87
d)	Subsidy/Grants	Rs. Crores	8045.75	8677.36
	Total (a+b+c+d)	Rs. Crores	48653.97	61686.74
16	Capital Expenditure (TRANSCO)	Rs. Crores	853.51	752.78

* Figures were 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	9549.236	18592.166		12032	197.54
36	As on 31.03.2023	7639.600	1978.628	10213.256	19831.484		12293	202.27

- 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	
32	FY 2022-23		1	3	5	0	54	63	7	125	334	0	464	16143	16856	33929	

- 1) Gooty(20.8.75) and Bommar, 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	1465528
28	12 th plan (2015-16)	31.03.2016	635055	16353	28739	36312	1537888
29	12 th plan (2016-17)	31.03.2017	769642	16353	29282	36312	1613291
30	FY 2017-18	31.03.2018	875547	16353	29287	36312	1676703
31	FY 2018-19	31.03.2019	949799	16353	29287	36312	1763133
32	FY 2019-20	31.03.2020	1020639	16353	29287	36312	1828709
33	FY 2020-21	31.03.2021	1128324	16353	29287	36312	1903443
34	FY 2021-22	31.03.2022	1199722	16353	30103	35253	1974719
35	FY 2022-23	31.03.2023	1269069	16353	30103	35253	2098939

* As per 2001 Census

From 10th Plan onwards AGL pumpsets includes RESCO services

Figures indicate for residual AP

**Agricultural pump-sets figures were reconciled from FY 2014-15 to 2022-23 on 27.06.2024 with DISCOMs

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
31	FY2022-23	2022-23	49226.04	22360.83	61686.74

* From 1999-2000 ,A.P.TRANSKO + 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									
35	FY 2022-23	2022-23	752.78									

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

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

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

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

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

3. SIXTH AND SEVENTH FIVE YEAR PLANS

3.1 ACHIEVEMENTS IN SIXTH FIVE YEAR PLAN - FINANCIAL

(Rs.in Crores)

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

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

3.2 ACHIEVEMENTS IN SIXTH FIVE YEAR PLAN - PHYSICAL

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

(Rs: in Crores)

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

3.4 ACHIEVEMENTS IN SEVENTH FIVE YEAR PLAN - PHYSICAL

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

(Contd. ..)

3.4 ACHIEVEMENTS IN SEVENTH FIVE YEAR PLAN - PHYSICAL

S.No.	Item	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)	Dalitwadadas electrified	No.		1694	1777	1016	1103	1679	7269
e)	Weaker section colonies electrified	No.		383	808	636	973	1037	3837

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

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

4.1 ANNUAL PLAN 1990-91

(Rs.in Lakhs)

Sl. No.	Name of the Scheme	Approved by Planning Commission in 3/91	Actual Expenditure
I.	GENERATION		
a)	CONTINUING SCHEMES :		
1	Srisailam 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	Srisailam 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	Srisailam 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	Royalaseema TPP (P F C)	2x210	8000	8000	8016 5115	
13	Vijayawada TPS - Stage III (P F C)	2x210	2000	2000	5021 6000	
14	Vijayawada TPS Stage - I		--	--	-2	
15	Donkarai Power House		--	--	-10	
	Sub - Total (a) (P F C)		17323	18420	21367 11115	
b)	New Schemes					
1	Singur HES	2x7.5	100	12	5	
	Sub - Total (b)				5	
c)	Renovation Schemes					
1	Kothagudem TPS - 1st Phase (P F C)		180	}	-- 284.00	
2	Kothagudem TPS - 2nd Phase		604		125	--
3	Ramagundam TPS - `B' Station		---			21
4	Nellore TPS (P F C)		200			68 4
	Sub - Total (c) (P F C)		984	125	89 288	
I.	Total Generation (a+b+c) (P F C)		18407	18557	21461 11403	
II.	Transmission (P F C)		7000	7500	7322 3468	
III.	Distribution & System Improvements (P F C)		9000	8000	6060 1000	
IV.	Rural Electrification		2450	3129	2529	
V.	Survey and Investigation		81	53	62	
A.	Total Plan (I to V) (P F C)		36938	37239	37434 15871	
B.	Cyclone Reconstruction Project		2093	2093	3949	
	TOTAL PLAN (A+B)		39031	39332	41383	
C.	Additionality (PFC)				15871	
D.	OUTSIDE PLAN				10860	
	Total A+B+C+D		39031	39332	68114	

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

Rupees in lakhs.

Sl.No	Scheme	Eighth Plan (Provision)	Actual Expenditure					Total
			1992-93	1993-94	1994-95	1995-96	1996-97	
a)	NORMAL PLAN							
I	GENERATION							
	ON-GOING SCHEMES							
1.	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.

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
18.	Ramagundam TPS Extension (2x210 MW)		--	--	--	0.00	--	0.00
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
			+9023.00		+1.00			+1.00
6	Nellore TPS.	69.00	20.00	3.00	--	--	92.00	
		+12.00	+2.00	+3.00			+17.00	
HYDEL PROJECTS :								
1	Machkund.		--	--	--	--	--	
2	Nizamsagar		--	--	--	--	--	
3	Srisailam.		--	0.00	103.00	0.00	103.00	
				+77.00		+48.00	+125.00	
4	Lower Sileru.		--	--	40.00	16.00	56.00	
SUB-TOTAL - II (R & M)		3867.00	374.00	100.00	158.00	47.00	5.00	684.00
		9023.00	+531.00	+215.00	+39.00	+48.00	+1901.00	+2734.00

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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>	<i>MW</i>		<i>107.00</i>	<i>546.00</i>	<i>484.925</i>	<i>43.675</i>	<i>605.59</i>	<i>1787.19</i>
	Total Installed Capacity	MW		5088.71	5634.71	6119.64	6163.31	6768.90	
	Peak Demand	MW		3916	4170	4434	4576	5022	

(Contd.,)

4.5 ACHIEVEMENTS IN EIGHTH FIVE YEAR PLAN - PHYSICAL

S.No.	Name of the Project (District)	Unit	Proposed Target for 8th plan	1992-93	1993-94	1994-95	1995-96	1996-97	Total						
II	Units Generated														
i)	Units Generated	MU	104600	17872	19272	20529	21765	24690	104128						
ii)	Units Purchased	MU	33189	7197	8593	9456	8732	8993	42971						
iii)	Gross Energy	MU		25069	27865	29985	30497	33683	147099						
iv)	Units sold with in the State	MU	108006	19227	21250	23029	23443	20923	107872						
v)	Units Exported	MU		195	140	15	23	63	436						
III	Transmission & Distribution														
a)	400 KV SS	Nos.	1	-	-	-	-	-	-						
b)	220 KV SS	Nos.	17	4	4	3	3	3	17						
c)	132 KV SS 	Nos.	47	12	22	(-2)	6	(-2)	1	(-2)	5	(-1)	46	(-7)	
d)	66 KV SS	Nos.	-	(-2)	-	(-2)	-	(-1)	-	-	(-1)	-	(-6)		
e)	33 KV SS	Nos.	300	67	130	75	82	(-2)	49	(+1)	403	(-1)			
	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 2022-23**

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

Rs. In.Crores

SI.No	Name of the Scheme	Ninth Plan Provision	Actuals 1997-98	Actuals 1998-99	Actuals 1999-00	actuals 2000-01	Actuals 2001-02	Total 9th plan
	A.P.GENCO PLAN							
	Srisailam Left Bank H.E.S	1102.12	424.49	429.07	271.26	251.33	126.48	1502.63
	Rayalaseema TPS Stage-I	20.00	8.87	12.25	1.57	1.11	3.34	27.14
	Direct payments by ADB		33.06					33.06
	Vijayawada TPS Stage-III	53.22	6.71	4.49	2.26	2.93	5.90	22.29
	KTPS Stage-V	130.00	20.00	50.19	6.04	6.98	7.16	90.37
	Vijayawada TPS Stage-II	2.00	0.16	0.00	0.03			0.19
	N.S.Pumped Storage scheme stage-II			0.08	0.16	0.42	0.10	0.76
	N.S.Right Canal H.E.S. IIIrd Unit			0.03	0.02			0.05
	N.S.Left Canal HES Scheme			0.06	0.02			0.08
I	Penna Ahobilam H.E.Scheme	0.50	0.30	0.34	0.05			0.69
	Upper Sileru H.E.S. Scheme-II	1.00	0.84	0.54	0.01			1.39
	Mini Hydel Schemes	16.50	0.46	0.31		0.08	5.13	5.98
	R&M Works of KTPS	22.71	92.59	10.33	8.37			111.29
	Singur H.E.S	16.00	0.48	5.36	1.14	2.21	0.96	10.15
	Rayalaseema TPS Stage-II(2x210 MW)	244.64					5.76	5.76
	HPCL-APSEB(500 MW) Joint Venture					0.70	5.00	5.70
	Jurala HES						1.00	1.00
	SURVEY & INVESTIGATION	7.50	0.60	0.68	0.18	4.87	9.11	15.44
	Plan Total	1616.19	588.56	513.73	291.11	270.63	169.94	1833.97
	ADDITIONALITY							
	SLBPH & RTPP Stg I	} 448.00			0.50	104.21	7.04	111.75
	VTPS Stg III		114.31	16.61	14.38			145.30
	KTPS'A'					13.78	39.75	53.53
	Srisailam 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 Srisailam	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)

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

5.2 ACHIEVEMENTS IN NINTH FIVE YEAR PLAN - PHYSICAL

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

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

(Contd.,)

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

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

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

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

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

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

5.4 ACHIEVEMENTS IN TENTH FIVE YEAR PLAN - PHYSICAL

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

5.5 CAPACITY ADDITIONS / ACHIEVEMENTS FOR 10th PLAN (2002-2007)
(Gross capacities in MW)

S.No.	Name of the Project	2002-03	2003-04	2004-05	2005-06	2006-07	Total X plan
I.	State Sector						
1	Rayalaseema Stage-II					210.00	210.00
2	Srisaillam 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:Srisaillam LBPH 600 MW was added during 2002-04 of 10 th Plan by APGENCO.

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

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

**5.6 Proposed Capacity Additions During 11th plan period
(2007-08 to 2011-12)**

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

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

(MW)

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

5.10 ACHIEVEMENTS IN 12th FIVE YEAR PLAN - PHYSICAL								
S No	ITEM	Unit	2012-13	2013-14	2014-15	2015-16	2016-17	Total
			Achievement	Achievement	Achievement	Achievement	Achievement	12th Plan
1	Electricity Sales	MU	67604.18	73126.20	40429	44439	47177.06	272775.086
2(I)	Transmission Lines							
a)	400 kV	CKM	803.83	145	301.65	234.82	714.95	2200.245
b)	220 kV	CKM	295.5	470.75	242.74	456.24	594.42	2059.65
c)	132 kV	CKM	344.85	382.07	156.62	327.59	306.96	1518.09
2(II)	Sub-Station							
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	129	53	902
b)	Release of LT services other than agriculture	Nos	933550	845372	433342	608035	806690	3626989
c)	Release of HT Services	Nos	1570	1295	502	513	610	4490
4	Rural Electrification							
a)	Laying of conventional lines in villages already electrified with SPV Panels	Nos	0	0	0	0	0	0
b)	General Hamlets	Nos	75	0	0	0	0	75
c)	Electrification of Dalitwadas	Nos	0	7	87	3	0	97
d)	Electrification of Weaker section colonies	Nos	0	0	0	0	0	0
e)	Tribal Hamlets	Nos	0	10	47	128	543	728
f)	Energisation of Agricultural pumpsets	Nos	0	0	60828	72360	75403	208591

* 33KV SS figures were reconciled with AP DISCOMS

5.11 ANNUAL ACHIEVEMENTS FROM 2017-18 TO 2023 - PHYSICAL

S No	ITEM	Unit	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23
			Achievement	Achievement	Achievement	Achievement	Achievement	Achievement
2(I)	Transmission Lines							
a)	400 kV	CKM	955.04	748.64	-	127.2	0	6.79
b)	220 kV	CKM	484.15	399.17	254.94	74.57	110.13	124.85
c)	132 kV	CKM	628.80	517.46	179.97	444	602.56	333.57
2(II)	Sub-Stations							
a)	400 kV	Nos	1	4	-	1	-	1
b)	220 kV	Nos	3	6	7	1	3	3
c)	132 kV	Nos	14	6	8	6	8	5
d)	33 kV shunt capacitor banks	MVAR	64.8	122.4	14.4	14.4	0	28.8
e)	132 kV shunt capacitor banks	MVAR	0	0	0	0	0	0
3	Distribution & SI							
a)	33 KV Sub-stations*	Nos	187	66	95	67	60	54
b)	Release of LT services other than agriculture	Nos	574152	598217	759888	533082	659314	347995
c)	Release of HT Services	Nos	672	883	1069	504	-	863
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	0	0	0	13	0	0
c)	Electrification of Dalitwadas	Nos	0	0	0	3	0	0
d)	Electrification of Weaker section colonies	Nos	0	0	0	33	0	0
e)	Tribal Hamlets	Nos	0	0	0	0	0	0
f)	Energisation of Agricultural pumpsets	Nos	63412	86430	65576	74734	71276	124220

* 33KV SS figures were reconciled with AP DISCOMS

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	Renovation & Modernisation Scheme	22.18
9	Schemes under Banks funding	65.09
10	Normal Plan	14.90
11	Schemes under PFC funding	84.47
12	Schemes under REC funding	41.74
13	Furniture & Fixtures	0.95
14	Office Equipment	4.05
15	Buildings	14.47
16	Plant and Machinery	201.69
TOTAL		1412.15

5.14 ACHIEVEMENTS IN 2018-19 -FINANCIAL APTRANSCO

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

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	
8	400 KV SS at Gudivada land acquisition	
9	Survey of 400 KV DC line from Gudivada to CH.PET	
10	400/220 KV SS at Tallayapalem	14.45
11	500 MVA Transformer at Manubolu	0.38
12	PE-12-04 Rayalaseema (stage-IV) power trans scheme	0.48
13	400/200 KV Talaricheruvu SS & 400 KV twin RTPP - Peddajangampalli	26.28
14	LILO of RTPP(IV) - CTR to Kalikiri SS	20.81
15	315 MVA PTR at 400 KV SS Chittoor	0.01
16	RMI works of 2017-18 CETRANS	0.01
17	400/200/132 KV Rachaguneri SS	126.50
18	RNV & UG of PROY sys CETRANS	0.00
19	Bay FR 3rd 315 MVA & 80 MVA react at JMD	9.67
20	Indent for Thermoviso scanner	0.06
21	Indent for drawls telecom panels 400 CTR	0.08
22	Kurnool 400 KV quad bay EXTENS	14.04
23	125 MVAR bus reactor at chittoor	0.32
24	PROC. of desktops, printers - 400 KV O & M VSP	0.02
25	1 No 500 MVA T/F at Kalpaka 400 KV SS	0.64
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)	1.19
27	400 KV Polavaram HPS- Guddigudem QMDC Line	0.01
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	1.35
29	Orders paid to O & M works	0.21
30	Renovation & Modernisation Scheme	2.94
31	Augmentation (REC)	80.50
32	Augmentation (Govt. Funding)	131.32
33	Schemes under Normal Plan	130.53
34	Schemes under Bank funding	15.24
35	Schemes under REC funding	393.59
36	Schemes under DC/Bulk Loads Works (Lift Irrigation)	54.32
37	Schemes under DC/Bulk Loads Works (Constrction)	53.84
38	Schemes under PFC funding	49.63
39	Schemes under Govt. funding	162.05
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 Nuzividu-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 Dharmajudrm in W	1.11
23	LILO of existing 132kv Bhimadole-Nidadav	1.10
24	132kv Chilakalu -Nandigama DC/SC line Krishna	0.23
25	220/33kv SS Ammavaripalli, Ananthpur DIST	0.60
26	33KV feat. at 220/132KV SS Bobbili growth	2.08
27	LILLO OF 220Kv Tadikonda - Ongole SC line G	1.42
28	33kv Feat.at 220/11kv LIS SS Purushothapatnam	2.05
29	33KV features at 220/11KV SS Pattiseema	0.74
30	Erection of 220/33kv SS Akiveedu in West Godavari	7.18
31	33KV FEAT. 220/33kv Bavojipeta (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 Gujjanagundla	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, Satteenapalli	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 District	69.54
47	400/220 KV SS at Podili, Prakasam District	21.20

Sl.No.	Particulars	Amount (Rs. In Crores)
48	132/33 KV SS at Srikakulam town, SKLM District	0.36
49	132/33 KV SS at Vinjamur, Nellore District	0.11
50	132/33kv Ramasamudram SS, Chittoor District	7.44
51	220/132 KV SS at Dharmavaram, ATP District	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 District	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 District	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 District	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 District	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	
9	RNV & UG protection system CE Trans. MS No.298	345.27
10	Augmentation of PTRs at 6Nos SS at Kadapa Zone-WB TOO 364	
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 Dis	
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	
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	
32	132/33KV GIS SS at Moghalrajpuram	
33	Ext. of 132KV Sup-CMD 6MVA-RTSS Raydurg	34.54
34	Ext.of EHT Sup-8MVA - RTSS Tanuku	20.96
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	296.28
39	Erection of 132KV SS Galiveedu in Kadap Dist.	
40	Erection of 132KV SS at Narasapuram in Krishna Dist.	
41	400KV Garividi SS Vijayanagam 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 Park Ph-I at 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

5.18 ACHIEVEMENTS IN 2022-23 -FINANCIAL APTRANSCO

(Rs. In Crores)

Sl.No.	Description	Approved Amount
1	132/33KV GIS SS at Moghalrajpuram	27.03
2	Augumentation of PTRs TOO.Ms.No.2417, Dt.07.04.22.	
3	Augumentation of PTRs TOO.MS.NO.2413, Dt.06.04.22	
4	Augumentation of PTRs TOO.MS.NO.2445, Dt.09.05.22	
5	Augumentation of PTRs TOO.MS.NO.2442, Dt.04.05.22	
6	132/33KV G.Chodavaram SS & Lines	
7	Augumentation of PTRs at 10 Nos. SSs, MS.No.747	443.76
8	LILO of 220KV SS-Kakinada line to Parawada	
9	33KV features at 220/132 KV Timmapuram SS	
10	33KV feature at 132/11 KV Bandlavandlapalli	
11	33KV features at 220KV SS Tirumalayapalli	
12	33 KV features at 220 KV SS P.Mamilla	
13	Erection of Galiveedu 132 KV SS in Kadapa DIS	
14	132/33 kV SS at Ramanakkapeta in Krishna	
15	220/132/33 kV SS at Tiruvuru in krishna	
16	Erection of 125 MVAR 400KV Bus Reactors	
17	132kV DC XLPE UG CBL 220kV- 132kV Ongole	175.79
18	132/33KV SS at T.Narsapuram & Lines	
19	132/33KV SS at Nallacheruvupalli in Kadapa	
20	400KV SS at Rachaganeri & other EHT SS	
21	Erection of 220kV & 132kV SS under VCIC Scheme	
22	Erection of 132/33 KV SS T.Sundupalli	
23	Augumentation of PTR capacity at EHT SS, MS.NO.359	
24	132/33KV SS at satellite city Kadapa	
25	Augumentation PTRs at 4nos SS- KDP ZONE-WB 363,18.01.17	
26	Augumentation OF PTR capacity at EHT SS, MS.NO.362	
27	Uninterrupted power supply to LIS in kurnool	21.86
28	HNSS PH-II Madakasira BC ATP DIST- BL	
29	HNSS PH-II Madakasira BR CNL ATP-DST DC	
30	Extension of supply HNSS PH-II PNGR BC,ATP BL	
31	Extension of 33KV SUP TO HNSS PH-II CTR-DST BL	
32	Extension of supply AVR HNSS Muchumarri BL	
33	Modification of 132KV LN in Kurnool-RLY Clearance	57.31
34	Extension of HT SUP(33KV) TO M/s IOCL,RJM	
35	Diversion of 220KV&132KVLN-DRDO-Kurnool	
36	Modification of LN for RLY Nadikudi - Srikalahasti	
37	Extention of EHT SUP-10MVA-RTSS Veldurthy	
38	Extension of EHT SUP-CMD-6MVA-RT SS Kurabalakota	
39	Extension of EHT SUP-CMD-6MVA-RTSS Koilakuntla	
40	Extension of 132KV SUP-CMD 6MVA-RTSS Rayadurg	
41	Extension of EHT supply-8MVA-RTSS Tanuku	
42	Extension of supply to KIA motors in ATP dist	
43	400KV SS at Rachagunneri & other EHT SS	175.79
44	Erec. of 220kV&132kV SS under VCIC Scheme	
45	Extension of 132/33 KV SS T.Sundupalli	
46	Augumentation of PTR capacity at EHT SS, MS.NO.359	
47	132/33KV SS at satellite city Kadapa	
48	Augumentation PTRs 4 SSs- KDP ZONE-WB 363,18.01.17	
49	Augumentation of PTR capacity at EHT SS, MS.NO.362	443.76
50	Schemes under REC funding	
51	Schemes under DC / Bulk Loads Works (Lift Irrigation)	21.86
52	Schemes under DC / Bulk Loads Works (Construction)	57.31
53	Schemes under PFC funding	27.03
54	Schemes under Govt. funding	202.82
	Total	752.78

6. A.P.GENCO GENERATION

6.1 PATTERN OF INSTALLED CAPACITY IN ANDHRA PRADESH (2014-15 TO 2023-24)										
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	27.350	2178.320	7376.960	1980.510	18592.166
	%	9.54	26.09	2.18	0.00	0.15	11.72	39.68	10.65	100.00
2022-23	MW	1773.600	5640.000	405.426	0.000	28.550	2812.320	7192.960	1978.628	19831.484
	%	8.94	28.44	2.04	0.00	0.14	14.18	36.27	9.98	100.00

* Installed capacity figures for the FY 2016-17 to 2021-22 are reconciled.

**6.1 PATTERN OF POWER GENERATION IN ANDHRA PRADESH (2018-19 TO 2022-23)
STATE, PRIVATE AND CENTRAL SECTORS**

YEAR	UNIT	Energy State Sector		Gas (VGTS)	Wind	Solar	Private sector	Central Sector	Others	TOTAL
		Hydel	Thermal							
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
2022-23	MU	4216.76	24643.48	350.70	7367.34	8000.55	6259.13	12950.83	8676.69	72465.48
	%	5.82	34.01	0.48	10.17	11.04	8.64	17.87	11.97	100.00

*ex-bus figures from sldc

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

(Contd.,)

6.2 A.P - PROGRESS IN INSTALLED CAPACITY

(MW)

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

6.2 A.P - PROGRESS IN INSTALLED CAPACITY

(MW)

Year	State Sector			Joint Sector Gas	Share from Central Sector	Private Sector							Total		
	Hydel	Thermal	Wind & Solar			Gas	Mini Hydel	Wind	Co-Generation		Bio-Mass Projects	Mini power plants		Solar	others
									Bagasse	Bio-Mass					
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	27.350	3767.950	94.000	0.000	108.000	0.000	3350.200	1328.360	18592.166
2022-23	1773.600	5650.000	405.426	0.000	1978.628	906.770	28.550	3638.950	74.000	0.000	72.000	0.000	3350.200	1953.360	19831.484

6.3 INSTALLED CAPACITY AS ON 31-03-2023 & NET GENERATION IN FY 2022-23								
Sl.No	Name of the Power House	No.of Units x Capacity MW	Installed Capacity MW	Installed Capacity MW Share	Generation (ex-bus) during 2022-23 in MU (*)	Auxiliary Consumption MU	Plant Load Factor %	Availability Factor %
I	THERMAL							
1	Vijayawada - I Unit 1	1 x 210	210.00	210.00	2241.34	126.49	64.62	71.11
	Vijayawada - I Unit 2	1 x 210	210.00	210.00		133.92	72.63	
	Vijayawada - II Unit 3	1 x 210	210.00	210.00	2243.98	116.17	62.05	
	Vijayawada - II Unit 4	1 x 210	210.00	210.00		138.61	73.95	
	Vijayawada - III Unit 5	1 x 210	210.00	210.00	2409.87	122.48	69.06	
	Vijayawada - III Unit 6	1 x 210	210.00	210.00		145.54	77.41	
	Vijayawada-IV	1x500	500.00	500.00	3229.82	177.34	77.71	82.20
2	R.T.P.P -I Unit 1	1 x 210	210.00	210.00	1891.91	153.37	71.68	60.88
	R.T.P.P -I Unit 2	1 x 210	210.00	210.00		114.60	47.11	
	R.T.P.P -II Unit 3	1 x 210	210.00	210.00	2454.42	118.69	73.41	82.62
	R.T.P.P -II Unit 4	1 x 210	210.00	210.00		124.37	74.29	
	R.T.P.P.Stg-3 Unit-5	1 x 210	210.00	210.00	1217.24	145.17	74.13	80.88
	R.T.P.P.Stg-4 Unit-1	1 x 600	610.00	600.00	2895.23	195.96	57.97	60.80
3	SDS Thermal Power Project I & II, Krishnapatnam, Stage 1	1x800 1x800	1600.00	1440.00	5447.63	434.97	41.79	41.81
4	SDS Thermal Power Project, Krishnapatnam, (U1) Stage 2	1x800	800.00	800.00	612.04			
TOTAL				5650.000	24643.48	2247.68	59.97	62.16
II	GGPP (Jegurupadu (GVK))							
III.	HYDEL :							
	1. Machkund	3 x 17 3 x 23	✧ 84.00	60.00	265.51	0.02		
	2. T.B.H.E.S (T.B. Dam & Hampi)	4 x 9 4 x 9	✧ 57.60	57.60	173.82	0.56		
	3. Upper Sileru	4 x 60	240.00	240.00	379.21	10.38		
	4. Donkarayi	1 x 25	25.00	25.00	97.22	0.24		
	5. Lower Sileru	4 x 115	460.00	460.00	1057.04	17.22		
	6. Srisailam RBHS	7 x 110	770.00	770.00	1837.34	32.12		
	7.Nagarjunasagar RC PH	3 x 30	90.00	90.00	295.07	2.52		
	8.Penna Ahobilam	2 x 10	20.00	20.00	13.47	0.68		
	9.Mini Hydro/33&11kv plants		1.00	1.00	2.90	0.03		
	10.Nagarjuna sagar Tail pond	2 x 25	50.00	50.00	95.18	3.49		
	TOTAL			1773.600	4216.76	67.25		
	11.Solar APGENCO			405.426		4.39		
IV	Utilisation from Central Projects :			1978.628	12950.83			
VI	Private Sector Generation							
	1.IPPs			2586.320	6475.65			
	2.Wind			3638.950	7367.34			
	3.Solar			3350.200	8000.55			
VII	Others			232.360	8810.86			
	GRAND TOTAL (I TO VI)			19831.484	72465.48	2314.93		

(*) 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 in MW	Date of Commissioning	Date of Expiry of PPA
I. APGENCO-THERMAL						
1	Dr NTTPS ,Vijayawada Stage -I	Unit-I	210	210	01.11.1979	31.03.2024
		Unit-II	210	210	10.10.1980	
2	Dr NTTPS ,Vijayawada Stage -II	Unit-III	210	210	05.10.1989	
		Unit-IV	210	210	23.08.1990	
3	Dr NTTPS ,Vijayawada Stage -III	Unit-V	210	210	31.03.1994	
		Unit-VI	210	210	24.02.1995	
4	Dr NTTPS ,Vijayawada Stage -IV	Unit-VII	500	500	28.01.2010	
5	RTPP Stage -I	Unit-I	210	210	31.03.1994	31.03.2024
6		Unit-II	210	210	25.02.1995	
7	RTPP Stage -II	Unit-I	210	210	24.01.2007	28.03.2033
		Unit-II	210	210	29.03.2008	
8	RTPP Stage-III	Unit -I	210	210	10.02.2011	28.11.2035
9	RTPP Stage-IV	Unit -I	600	600	29.03.2018	27.03.2043
Total Thermal			3410.00	3410.00		
II APGENCO-HYDEL						
1	Machkund	Unit-I	17	60	19.08.1955	31.03.2024
		Unit-II	17		12.12.1955	
		Unit-III	17		26.06.1956	
		Unit-IV	23		15.01.1959	
		Unit-V	23		07.08.1959	
		Unit-VI	23		08.08.1959	
2	Tunga Bhadra	Unit-I	9	57.6	26.01.1957	
		Unit-II	9		23.05.1957	
		Unit-III	9		19.02.1964	
		Unit-VI	9		19.06.1964	
3	Hampi	Unit-I	9	240	10.02.1958	
		Unit-II	9		26.03.1958	
		Unit-III	9		14.04.1964	
		Unit-IV	9		09.06.1964	
4	Upper Sileru	Unit-I	60	240	14.10.1967	
		Unit-II	60		31.03.1968	
		Unit-III	60		31.03.1994	
		Unit-IV	60		21.03.1995	
5	Donkarayi		25	25	04.10.1983	
6	Lower Sileru	Unit-I	115	460	28.03.1976	
		Unit-II	115		06.10.1976	
		Unit-III	115		08.11.1977	
		Unit-IV	115		13.06.1978	
7	Srisailem RBHS	Unit-I	110	770	30.08.1982	
		Unit-II	110		14.12.1982	
		Unit-III	110		19.11.1983	
		Unit-IV	110		27.08.1984	
		Unit-V	110		31.03.1986	
		Unit-VI	110		30.10.1986	
		Unit-VII	110		19.03.1987	
8	Nagarjunasagar Right Canal	Unit-I	30	90	24.02.1983	
		Unit-II	30		14.09.1983	
		Unit-III	30		10.09.1990	
9	Penna 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	29.01.2052
		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	31.03.2024
		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	18.11.2041
	Talaricheruvu (V), Tadipatri (M), Ananthapur Dist		400.000	400.000	14.03.2019	13.03.2044
Total APGENCO				5589.026		

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

SL.No.	Station	Details of Unit	Capacity in MW	AP Share in MW	Date of Commissioning	Date of Expiry of PPA
6.4(B) -1 COMMISSIONING DATES OF GENERATING UNITS IN JOINT SECTOR						
VI	Joint Sector					
1	GGPP (Jegurupadu (GVK))		2x45.8+1x48.9+1x75.5	216	20.06.1997	Owned by ADISCOMS
2	SDS Thermal Power Project, Krishnapatnam Stage -I	Unit I	1x800	720	05.02.2015	23.08.2040
3		Unit II	1x800	720	24.08.2015	
4	SDS Thermal Power Project, Krishnapatnam, (U1) Stage 2	Unit III	1x800	800	10.03.2023	09.03.2048
Total				2456		
6.4(B) -2 SHARE FROM GENERATING UNITS IN CENTRAL SECTOR						
VII	Thermal(Central Units with Capacity (MW))	Details of Unit	Capacity in MW	share as on 31/03/2023	Date of Commissioning	
1	NTPC Ramagundam STPS Stage -I	Unit I	200	289.077	Oct, 1983	31.10.2017
		Unit II	200		May, 1984	
		Unit III	200		Dec, 1984	
2	NTPC Ramagundam STPS Stage -II	Unit IV	500	72.572	Jun, 1988	24.03.2030
		Unit V	500		Mar, 1989	
		Unit VI	500		Oct, 1989	
3	NTPC Ramagundam STPS Stage -III	Unit VII	500		April'2005	
4	NPC MAPP (Kalpakkam, TN)	Unit I	220	18.136	24.12.2011	23.12.2026
		Unit II	220			
5	NLC TPS Stage-I (Neyvelin, TN)	Unit I	210	46.797	17.01.1988	31.03.2021
		Unit II	210		06.02.1987	
		Unit III	210		29.03.1986	
6	NLC TPS Stage-I (Neyvelin, TN)	Unit IV	210	85.721	30.03.1991	19.01.2026
		Unit V	210		30.12.1991	
		Unit VI	210		30.10.1992	
		Unit VII	210		19.06.1993	
7	NPC KAIGA Stage -I Karnataka	Unit I	220	55.287	1999-2001	19.01.2026
		Unit II	220		1999-2001	
		Unit III	220	58.977	19.05.2007	
		Unit IV	220		20-01-2011	
8	NTPC Simhadri Stage I (Visakhapatnam, AP)	Unit I	500	461.100	27.02.1997	28.02.2028
		Unit II	500			
9	NTPC Simhadri Stage II (Visakhapatnam, AP)	Unit I	500	216.783	30.09.2012	29.09.2037
10	Talcher Stage II (Orissa)	Unit III	500	181.103	2002-03	31.07.2030
		Unit IV	500		25.10.2003	
		Unit V	500		13.05.2004	
		Unit VI	500		05.02.2005	
11	NTECL Vallur Stage-I,II, III (Vallur, TN)		3x500	86.288	26.02.2015	25.02.2040
12	NTPL, Tuticoran (JV of NLC & TNEB),Tamilnadu		2x500	121.449	29.08.2015	28.08.2040
13	NTPC (Kudgi)		800	226.209	15.09.2018	14.09.2043
14	New Neyveli Thermal power station (NNTPS)		500	52.699	08.02.2011	09.2.2046
15	Kudankulam			1.710	No PPAs but MoP allocation from unallocated share	
16	NLC TPS I EXP		2x210	2.155		
17	NLC TPS II EXP		2x250	2.565		
Total Share from Central Sector				1978.628		
6.4 (C) COMMISSIONING DATES OF GENERATING UNITS IN PRIVATE SECTOR (IPPs)						
S.No.	Station	Details of Unit	Capacity in MW	AP Share	Date of Commissioning	Date of Expiry of PPA
VIII	GAS					
1	M/s. GVK -Extn	1x45+1x75	101.440	101.440	14.04.2009	13.04.2024
2	M/s. GMRVemagiri	1x233+1x137	170.610	170.610	16.09.2006	15.09.2029
3	M/s.Konaseema Gas Power Ltd (KGPL)	2x140+1x165	204.770	204.770	30.06.2010	29.06.2025
4	M/s. GVK Gautami (East Godavari Dist)	2x145+1x175	213.950	213.950	05-06-2009	04.06.2024
TOTAL MW				690.770		
IX	THERMAL					
5	M/s Sembcorp Energy India Limited		230.550	230.550	20.04.2015	29.02.2038
6	M/S Hinduja I & II 2 x 520 MW)	2x520	1040.000	1040.000	03.07.2016	02.07.2041
7	M/s Sembcorp Energy India Limited	1x625	625.000	625.000	01.02.2023	31.01.2035
TOTAL MW				1895.550		

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	Date of Commissioning	Date of Expiry of PPA	
Mini Hydel (Capacity Under Power Purchase Agreement)							
1	M/s Bhavani Hydro Power Projects Pvt. Ltd.	Guntur Branch Canal	Guntur	550	17-11-2004	16.11.2024	
2	M/s.KM Power Pvt. Ltd Madhavaram	Nippulavagu Canal, Madhavaram	Kurnool	4000	21-11-2003	20.11.2023	
3	M/s Balaji Energy Ltd.	Somasila Reservoir	Nellore	12000	31-12-2005	30.12.2025	
4	M/s.Sardar Power Ltd	Nagavali river at Nagur, Gurugubilli	Vizianagaram	3000	17-7-2008	16.07.2028	
5	APTRIPCO	Vetamamidi (V) Addathigala (M)	East Godavari	1200	15.4.2011	14.04.2031	
6	M/s.NCL Energy Ltd.	T.B.Dam	Bellary Dt, Karnataka.	6600	27.09.2004	26.09.2039	
7	M/s Pinjarikonda	Pinjarikonda (V), Addateegala (M)	East Godavari	1200	04.01.2023	03.01.2043	
Total Mini Hydel in MW				28.550			

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	PPA Expiry date
PROJECTS SELLING ENERGY TO APDISCOMs UNDER PPAs:						
1	M/s Weizmann Ltd.	Ramagiri, Ananthapur, APSPDCL	Ananthapur	7.5	22-10-1995	12.09.2025
2	NEDCAP	Kondamedapalli	Kurnool	2.75	19-02-2002	30.03.2031
3	NEDCAP	Narsimhakonda	Nellore	2.5	19-02-2002	30.03.2024
4	NILE Limited	Ramagiri	Ananthapur	2	20-05-2002	29.08.2025
5	M/s Maxivision Laser Centre Pvt. Ltd.	Kadavakallu	Ananthapur	0.45	18-01-2006	06.02.2026
6	Dr.Kasu Prasad Reddy.	Kadavakallu	Ananthapur	0.45	18-01-2006	06.02.2026
7	M/s Vimal Roller Flour Mills	Kadavakallu	Ananthapur	0.225	20-01-2006	06.02.2026
8	M/s V.V.Agro Foods	Kadavakallu	Ananthapur	0.225	20-01-2006	06.02.2026
9	M/s Shilpa Medicare Ltd.	Kondameedipalli	Kurnool	1.6	19-05-2010	17.06.2030
10	M/s Vikram Traders	Kondameedipalli	Kurnool	0.8	19-05-2010	17.06.2030
11	M/s Orange Sorting Machines(India) Pvt. Ltd	Kondameedipalli	Kurnool	0.8	19-04-2010	05.04.2030
12	M/s Canara Cements Pipes	Kondameedipalli	Kurnool	0.8	19-04-2010	19.04.2030
13	M/s Nandi Roller Flour Mills(P) Ltd	Kondameedipalli	Kurnool	0.8	20-04-2010	14.04.2030
14	M/s Texmo Industries	Kondameedipalli	Kurnool	2.4	20-04-2010	14.04.2030
15	M/s Prakash Beedies Pvt. Ltd	Kondameedipalli	Kurnool	0.8	20-04-2010	07.04.2030
16	M/s Arts and Crafts Exports	Kondameedipalli	Kurnool	0.8	21-04-2010	21.04.2030
17	M/s G. shoe Export	Kondameedipalli	Kurnool	0.8	21-04-2010	21.04.2030
18	M/s Chandulal Surajmal	Kondameedipalli	Kurnool	0.8	21-04-2010	21.04.2030
19	M/s Compucom Software Ltd.	Kondameedipalli	Kurnool	0.8	22-04-2010	21.04.2030
20	M/s Mayura Steels Pvt. Ltd	Kondameedipalli	Kurnool	0.8	22-04-2010	22.04.2030
21	M/s Siddaganga Oil Extractions Pvt. Ltd.	Kondameedipalli	Kurnool	1.6	22-04-2010	23.04.2030
22	M/s Protectron Electromech Pvt. Ltd	Kondameedipalli	Kurnool	0.8	22-04-2010	27.07.2032
23	M/s S.Kumar	Kondameedipalli	Kurnool	0.8	23-04-2010	23.04.2030
24	M/s Meghana Associates	Kondameedipalli	Kurnool	0.8	23-04-2010	21.04.2030
25	M/s Vaayu(India) Power Corporation Ltd(Phase-I)	Kondameedipalli	Kurnool	4.8	22-07-2010	01.08.2030
26	M/s Vaayu(India) Power Corporation Ltd(Phase-2)	Kondameedipalli	Kurnool	4.8	22-07-2010	24.09.2030
27	M/s Vaayu(India) Power Corporation Ltd(Phase-3)	Kondameedipalli	Kurnool	4.8	22-07-2010	29.03.2031
28	M/s Vaayu(India) Power Corporation Ltd(Phase-4)	Kondameedipalli	Kurnool	11.2	22-07-2010	27.09.2030
29	M/s Vaayu(India) Power Corporation Ltd(Phase-5)	Kondameedipalli	Kurnool	4.8	22-07-2010	29.09.2030
30	M/s Vaayu(India) Power Corporation Ltd(Phase-6)	Kondameedipalli	Kurnool	9.6	22-07-2010	01.12.2030
31	M/s Vaayu(India) Power Corporation Ltd(Phase- 7)	Kondameedipalli	Kurnool	10.4	22-07-2010	30.12.2030
32	M/s Texmo Precision Castings Ltd.	Kondameedipalli	Kurnool	1.6	02-08-2010	02.08.2030
33	M/s Vish Wind Infrastructure LLP (Phase-I)	Kondameedipalli	Kurnool	0.8	30-10-2010	13.10.2030
34	M/s Vish Wind Infrastructure LLP (Phase-III)	Kondameedipalli	Kurnool	1.6	30-10-2010	30.03.2031
35	M/s Vish Wind Infrastructure LLP (Phase-II)	Kondameedipalli	Kurnool	4	30-10-2010	13.10.2030
36	M/s. Texonic Instruments.	Kondameedipalli	Kurnool	0.8	16-12-2010	29.03.2031
37	M/s. Shreem Electric Limited	Kondameedipalli	Kurnool	1.6	30-03-2011	30.03.2031
38	M/s Happy Valley Developers	Kondameedipalli	Kurnool	0.8	16-12-2010	30.03.2031
39	M/s.Sai Silks (Kalamandir)	Kondameedipalli	Kurnool	2	31-03-2011	30.03.2031
40	M/s. Hyderabad Chemicals limited (Vibrant Greentech)	Kondameedipalli	Kurnool	5.1	18-06-2011	29.06.2031
41	M/s. International – Conveyors (Phase-I)	Kondameedipalli	Kurnool	0.8	20-08-2011	21.09.2031
42	M/s. International Conveyors (Phase-II)	Kondameedipalli	Kurnool	0.8	20-09-2011	21.09.2031
43	Triveni Enterprises	Kondameedipalli	Kurnool	0.8	31-03-2011	29.09.2031
44	M/s Vish Wind Infrastructure LLP (Phase-IV)	Kondameedipalli	Kurnool	1.6	17-12-2011	29.09.2031
45	M/s Ramansons Asbestos cement products	Kondameedipalli	Kurnool	0.8	31-01-2012	30.01.2032
46	M/s NREDCAP	Rekulakunta	Ananthapur	5.95	27-03-2012	30.01.2032

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	PPA Expiry date
PROJECTS SELLING ENERGY TO APDISCOMs UNDER PPAs:						
47	M/s NREDCAP	Kondameedipalli	Kurnool	1.6	29-03-2012	30.03.2032
48	M/s IOCL	Vajrakarur	Ananthapur	16.8	31-03-2012	30.03.2032
49	M/s Mytrah Vayu (Pennar) Pvt Ltd. (Phase-I)	Vajrakarur	Ananthapur	16.8	27-04-2012	26.04.2032
50	M/s.IOCL	Vajrakarur	Ananthapur	10.5	08-05-2012	17.05.2032
51	M/s.MGM Springs private Limited	Nallakonda site	Ananthapur	0.8	05.06.2012	18.07.2032
52	M/s.Sri KPR Infra & Projects Ltd	Gandikota	YSR Kadapa	2.1	31-10-2014	16.07.2038
53	M/s.Mytrah Vayu (Pennar) Pvt Ltd (Ph-II)	Vajrakarur	Ananthapur	16.8	11-01-2013	10.01.2038
54	M/s.Mytrah Vayu (Pennar) Pvt Ltd (Ph-III)	Vajrakarur	Ananthapur	6.3	11-01-2013	10.01.2038
55	M/s.Mytrah Vayu (Pennar) Pvt Ltd (Ph-IV)	Vajrakarur	Ananthapur	6.3	11-01-2013	10.01.2038
56	M/s.Mytrah Vayu (Pennar) Pvt Ltd (Ph-V)	Vajrakarur	Ananthapur	4.2	11-01-2013	10.01.2038
57	M/s.Mytrah Vayu (Pennar) Pvt Ltd (Ph-VI)	Vajrakarur	Ananthapur	4.2	11-01-2013	10.01.2038
58	M/s.Mytrah Vayu (Pennar) Pvt Ltd (Ph-VII)	Vajrakarur	Ananthapur	6.3	11-01-2013	10.01.2038
59	M/s.Mytrah Vayu (Pennar) Pvt Ltd (Ph-VIII)	Vajrakarur	Ananthapur	2.1	11-01-2013	10.01.2038
60	M/s,Khandke Wind Energy Private Ltd phase-I	Nallakonda site	Ananthapur	2.4	19-03-2013	09.04.2038
61	M/s,Khandke Wind Energy Private Ltd phase-II	Nallakonda site	Ananthapur	6.4	19-03-2013	03.05.2038
62	M/s,Khandke Wind Energy Private Ltd phase-III	Nallakonda site	Ananthapur	4	19-03-2013	10.07.2038
63	M/s,Khandke Wind Energy Private Ltd phase-IV	Nallakonda site	Ananthapur	2.4	19-03-2013	03.08.2038
64	M/s. Khandke Wind Energy Pvt Ltd Phase -V	Nallakonda site	Ananthapur	16	16-05-2013	05.09.2038
65	M/s.IOCL	Gandikota	YSR Kadapa	14.7	21-03-2013	02.04.2038
66	M/s Neminath Trading Company (M/s.RV Consulting services Private Ltd)	Nallakonda site	Ananthapur	0.8	28-03-2013	09.04.2038
67	M/s.Beta Wind Farms private Limited	Kadavakallu	Ananthapur	50.4	29-05-2013	26.07.2038
68	M/s.Weld Fuse Pvt Ltd	Gandikota Jammalamadugu	YSR Kadapa	2.1	31-10-2014	16.07.2038
69	M/s.KRBL Ltd	Gandikota Jammalamadugu	YSR Kadapa	2.1	31-10-2014	16.07.2038
70	M/s.Saptagir Camphor limited	Nallakonda site	Ananthapur	0.8	10-07-2013	04.08.2038
71	M/s Hitech Systems & services Ltd	P.C.Pyapalli	Ananthapur	4.2	04-03-2014	27.03.2039
72	M/s Woodside Fashions Ltd	Chabala(V)	Ananthapur	2.1	05-03-2014	27.03.2039
73	M/s.Mytrah Vayu (krishna) Pvt Ltd	Burugula site	Kurnool	37.4	12-02-2014	20.02.2039
74	M/s Energon Power Resource Pvt Ltd	Tagguparthu	Ananthapur	48	04-07-2014	07.07.2039
75	M/s.Indian Oil Corporation Limited (Suzlon)	Gandikota Jammalamadugu	YSR Kadapa	4.2	18-07-2014	30.03.2039
76	M/s .Rayala wind Power Company Private Limited	Balavenkatapuram	Ananthapur	101.2	25-02-2014	28.11.2038
77	M/s Rayala wind power projects Ltd	Balavenkatapuram	Ananthapur	50	22-07-2014	25.07.2039
78	M/s En En Electrical Engineers Pvt Limited	Vajrakarur(M)	Ananthapur	2.1	01-09-2014	13.11.2039
79	M/s Santhiram Wind power Pvt Limited	Chabala(V)	Ananthapur	2.1	26-09-2014	11.06.2039
80	M/s.Sri Venkateswara Pipes Limited (KPR Industries)	Gandikota, Jammalamadugu	YSR Kadapa	2.1	31-10-2014	16.07.2038
81	M/s.Hetro Wind power project Limited	220/132 KV Kondapuram SS	YSR Kadapa	13.5	18-12-2014	02.07.2038
82	M/s KRBL	Ganthimarri	Ananthapur	8.4	23-12-2014	20.11.2039
83	M/s Rajasthan Gum Pvt Limited	Muthuvakuntala	Ananthapur	2.1	24-12-2014	30.12.2039
84	M/s BNR constructions	Kondamedapalli	Kurnool	1	02-01-2015	18.12.2039
85	M/s Hitech Systems & services Ltd	Anantapur	Ananthapur	2.1	28-04-2015	01.06.2040
86	Anantapura Wind Energies Pvt Limited (Rayala group)	Anantapur	Ananthapur	10	16-05-2015	18.05.2040
87	Rayalaseema Wind Energies Pvt Limited (Rayala group)	Anantapur	Ananthapur	10	16-05-2015	18.05.2040
88	Rayala wind power company limited	Balavenkatapuram	Ananthapur	8	16-05-2015	14.09.2040
89	Sri Vijayeebhava Enterprises private Limited	Muthuvakuntala	Ananthapur	2.1	21-05-2015	31.07.2040
90	Energon Ph-II(Vena Energies Power)	Tagguparthu	Ananthapur	100	05-06-2015	10.03.2040
91	Jindal Aluminium Limited	Vajrakarur, Urvakonda.	Ananthapur	25.2	17-10-2015	27.05.2040

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	PPA Expiry date
PROJECTS SELLING ENERGY TO APDISCOMs UNDER PPAs:						
92	KCT Renewable Energy Pvt Ltd(KARAMCHAND THAPAR&BROS (COAL SALES)LTD)	Borampalli	Ananthapur	24	21-10-2015	09.08.2040
93	Sunwin power tech India LLP	Signamala	Ananthapur	4	12-11-2015	27.11.2040
94	Vibrant green tech India (P) Ltd	Signamala	Ananthapur	0.8	12-11-2015	27.11.2040
95	Vibrant green tech India (P) Ltd	Signamala	Ananthapur	8	12-11-2015	14.12.2040
96	JED Solar Parks Pvt Ltd	Yatakal	Ananthapur	24	30-11-2015	22.07.2041
97	Poly Solar Parks Pvt Ltd	Ellutla	Ananthapur	24	30-11-2015	22.07.2041
98	Mythrah Vaayu (Indiravathi) Pvt Ltd	Pottipadu, Vajrarakur	Ananthapur	65.1	23-02-2016	05.03.2041
99	ReNew Wind Energy (Shivapur)Pvt Ltd	Ellutla	Ananthapur	44.1	27-02-2016	23.08.2041
100	Mythrah Vaayu (Indiravathi) Pvt Ltd	Pottipadu, Vajrarakur	Ananthapur	39.9	31-12-2015	30.12.2040
101	KCT Renewable Energy Pvt Ltd(Renew Vayu Urja)	Molagavalli (V)	Kurnool	20.4	03-03-2016	13.07.2041
102	KCT Renewable Energy Pvt Ltd(Renew Vayu Urja)	Nallakonda	Ananthapur	18.7	03-03-2016	13.07.2041
103	Mytrah Vayu (Thungabadra) Pvt Ltd	Aspari (V&M)	Kurnool	98.3	05-03-2016	14.10.2041
104	Sterling Agro Industries Ltd	Nallakonda	Ananthapur	1.6	14-03-2016	16.08.2041
105	TSSS Infotech and Infra Ltd	Nallakonda	Ananthapur	2.4	14-03-2016	08.03.2042
106	Animala Wind Power Pvt Ltd	Anemela (V)	YSR Kadapa	54	14-03-2016	29.03.2042
107	Saptagir Camphor Ltd	Nallakonda	Ananthapur	0.8	14-03-2016	28.03.2042
108	Amrit Bottlers Pvt Ltd	Nallakonda	Ananthapur	0.8	14-03-2016	27.03.2042
109	M/s Sandla Wind Power Project Limited	Vidapanakallu	Ananthapur	50.4	15-03-2016	30.03.2041
110	Hetero Wind Power (Pennar)Pvt Ltd	Tirumalayapalli	YSR Kadapa	10.5	16-03-2016	18.06.2041
111	Hetero Wind Power (Pennar)Pvt Ltd	Tirumalayapalli	YSR Kadapa	6	16-03-2016	12.07.2041
112	Hetero Wind Power (Pennar) Pvt Ltd	Tirumalayapalli	YSR Kadapa	24	16-03-2016	20.08.2041
113	Levelstate Systems Pvt Ltd	Belguppa	Ananthapur	2.1	19-03-2016	23.03.2041
114	Rajasthan Gumn Private Limited	Belguppa	Ananthapur	8.4	19-03-2016	29.03.2041
115	Jai Bharath Gum & Chemicals Ltd	Belguppa	Ananthapur	2.1	19-03-2016	19.09.2041
116	Hi-Tech Systems and Services Ltd	Belguppa	Ananthapur	2.1	20-03-2016	26.03.2041
117	Mangalam Fashions Ltd	Belguppa	Ananthapur	2.1	21-03-2016	29.03.2042
118	Woodside Fashions Ltd	Belguppa	Ananthapur	2.1	21-03-2016	23.03.2041
119	Ushodaya Enterprises Pvt Ltd	Belguppa	Ananthapur	4.2	21-03-2016	23.03.2041
120	Shrinath Gum & Chemicals	Belguppa	Ananthapur	2.1	21-03-2016	23.03.2041
121	Shree Ram Industries	Belguppa	Ananthapur	4.2	21-03-2016	23.03.2041
122	Om Prakash Soni	Belguppa	Ananthapur	2.1	21-03-2016	23.03.2041
123	Sai Pet Preforms	Belguppa	Ananthapur	2.1	21-03-2016	23.03.2041
124	Manoj Aggarwalla	Belguppa	Ananthapur	2.1	21-03-2016	23.03.2041
125	Imperial Arts	Belguppa	Ananthapur	2.1	21-03-2016	26.03.2041
126	Eenadu Television Pvt Ltd	Belguppa	Ananthapur	2.1	21-03-2016	26.03.2041
127	Prince Art Exporter	Belguppa	Ananthapur	4.2	21-03-2016	26.03.2041
128	Kaushaliya Devi Dhoot	Belguppa	Ananthapur	2.1	21-03-2016	28.03.2041
129	Satyanarayana Dhoot	Belguppa	Ananthapur	2.1	21-03-2016	28.03.2041
130	Dinesh Enterprises	Belguppa	Ananthapur	2.1	21-03-2016	30.03.2041
131	Mytrah Vayu (Krishna) Pvt Ltd	Burugula	Kurnool	8.5	05-03-2016	23.03.2042
132	M/s orange Anantapur Wind Power Pvt Limited	Nimbagal(V)	Ananthapur	100	28-03-2016	27.03.2041
133	Chimique (INDIA)Pvt Ltd	Pottipadu	Ananthapur	2.1	30-03-2016	29.03.2041
134	ZR Renewables Energy Pvt Ltd	Tallaricheruvu	Ananthapur	16	27-04-2016	26.08.2041
135	Gutaseema Wind Energy Company Private Limited	Palakonda Hills	Ananthapur	20	09-05-2016	21.03.2043
136	Ostro Anantapur Pvt Ltd	Honnura-Palturu	Ananthapur	100	31-05-2016	20.07.2041
137	Orange Uravakonda Wind Power Pvt Ltd	Belguppa	Ananthapur	100.8	31-05-2016	27.07.2041

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	PPA Expiry date
PROJECTS SELLING ENERGY TO APDISCOMs UNDER PPAs:						
138	ReNew Wind Energy (Shivapur)Pvt Ltd	Ellutla	Ananthapur	39.9	08-06-2016	28.11.2041
139	Mytrah Vayu (Tungabhadra)Pvt Ltd	Aspari site	Kurnool	50.6	15-06-2016	26.03.2042
140	Axis Wind Energy (MPR Dam)	MPR Dam,	Ananthapur	100	20-07-2016	29.03.2042
141	Vayuputhra Energy Pvt Ltd	Vajrakarur	Ananthapur	20	20-07-2016	21.03.2043
142	ReNew Wind Energy (Shivapur) Pvt Ltd	Madugupalli	Ananthapur	4.2	23-07-2016	12.10.2041
143	Vayu Urja Bharat Pvt Ltd	Guruvapalli	Ananthapur	120	28-07-2016	30.03.2042
144	NATCO	Betamcherla	Kurnool	1.6	05-08-2016	08.09.2041
145	Danu Wind Parks Pvt Ltd	Betamcherla	Ananthapur	22.4	04-08-2016	06.09.2041
146	Ostro Andhra Wind Pvt Ltd	Ramapuram	Ananthapur	98.7	04-08-2016	22.03.2042
147	Ostro AP Wind Pvt Ltd	Rallapalli	Ananthapur	98.7	09-08-2016	22.03.2042
148	Sterling Agro Industries Ltd	Nallakonda	Ananthapur	7.2	14-03-2016	16.08.2041
149	M/s. Fujin Wind Parks Pvt Ltd	Kandimalayapalli	Ananthapur	46	16-09-2016	30.03.2042
150	Aeolus Wind Parks Pvt Ltd	Kandimalayapalli	Ananthapur	24	16-09-2016	08.08.2042
151	Jaibharat Gum & Chemicals Pvt Ltd	Ragulapadu	Ananthapur	2.1	17-09-2016	19.09.2041
152	RBA Properties Pvt Ltd	Pottipadu	Ananthapur	2.1	17-09-2016	19.09.2041
153	ReNew Wind Energy (Shivapur)Pvt Ltd	Ellutla	Ananthapur	31.5	30-09-2016	12.10.2041
154	M/s. Helios Infratech Pvt Ltd	Badra Puram	Ananthapur	100.8	30-09-2016	29.03.2042
155	M/s.Skiron Renewable Energy (Amidyala)Pvt Ltd	Amidyala (V)	Ananthapur	226.8	21-10-2016	27.03.2042
156	Saipuram Wind Energies Pvt Ltd	Rudrampalli	Ananthapur	104.5	22-10-2016	22.03.2042
157	M/s. Animala Wind Power Pvt Ltd	Nandipalli (V)	YSR Kadapa	30	22-10-2016	23.08.2042
158	Tata Power Renewable Energy Pvt Ltd	Honnura - Palturu	Ananthapur	100	31-10-2016	26.12.2041
159	Danu Wind Parks Pvt Ltd	Nelakota	Ananthapur	23	31-10-2016	29.06.2042
160	M/s. PTC Energy Ltd (customer of gamesa)	Mulagavali	Kurnool	50	11-01-2017	17.03.2042
161	KCT Renewable Energy Ph-1	Mulagavali	Kurnool	20	13-02-2017	27.02.2042
162	KCT Renewable Energy Ph-2	Mulagavali	Kurnool	20	13-02-2017	27.02.2042
163	PTC Energy Pvt Ltd	Kandimalayapalli	YSR Kadapa	49.3	13-02-2017	23.03.2042
164	PTC Energy Pvt Ltd	Payalakuntla	YSR Kadapa	40	13-02-2017	29.03.2042
165	KPR Infra & Projects Ltd	Tallimadugula	Ananthapur	2	16-02-2017	29.03.2042
166	Bommidala Enterprises Pvt Ltd	Tallimadugula	Ananthapur	2	16-02-2017	29.03.2042
167	Poonawalla Aviation Pvt Ltd	Belguppa	Ananthapur	6.3	17-02-2017	17.03.2042
168	Poonwalla Shares & Securities Pvt Ltd	Belguppa	Ananthapur	4.2	17-02-2017	17.03.2042
169	Cyzachem Pvt Ltd	Belguppa	Ananthapur	4.2	17-02-2017	17.03.2042
170	Villos Greenfield Farms	Belguppa	Ananthapur	6.3	17-02-2017	17.03.2042
171	Cyrus Poonawalla Family Trust	Belguppa	Ananthapur	2.1	17-02-2017	17.03.2042
172	Poonawalla Estate Stud & A gri Farm Pvt Ltd	Belguppa	Ananthapur	4.2	17-02-2017	17.03.2042
173	Chanda Investment & Trading C.Pvt Ltd	Belguppa	Ananthapur	4.2	17-02-2017	17.03.2042
174	Adurjee Bros Pvt Ltd	Belguppa	Ananthapur	14.7	17-02-2017	17.03.2042
175	Naukhal Investment Pvt Ltd	Belguppa	Ananthapur	4.2	17-02-2017	17.03.2042
176	Eenadu Television Pvt Ltd	Vajrakarur	Ananthapur	10.5	16-02-2017	17.03.2042
177	Ushodaya Enterprises Pvt Ltd (A Division of Renewable Energy)	Vajrakarur	Ananthapur	2.1	17-02-2017	17.03.2042
178	Arkas Energy LLP	Vajrakarur	Ananthapur	2.1	17-02-2017	17.03.2042
179	Jai Bharath Gum & Chemicals Ltd	Vajrakarur	Ananthapur	4.2	17-02-2017	17.03.2042
180	Rajasthan Gum Pvt Ltd	Vajrakarur	Ananthapur	4.2	17-02-2017	17.03.2042
181	Chimique (India) Ltd	Vajrakarur	Ananthapur	2.1	17-02-2017	17.03.2042
182	Mayank Green Energy	Belguppa	Ananthapur	2.1	16-02-2017	17.03.2042
183	Hi -Tech Systems & Service Ltd -Ph-2	Belguppa	Ananthapur	8.4	16-02-2017	17.03.2042

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	PPA Expiry date
PROJECTS SELLING ENERGY TO APDISCOMs UNDER PPAs:						
184	Hi -Tech Systems & Service Ltd -Ph-1	Belguppa	Ananthapur	4.2	16-02-2017	17.03.2042
185	Eenadu Television Pvt Ltd	Belguppa	Ananthapur	2.1	17-02-2017	17.03.2042
186	Ushodaya Enterprises Pvt Ltd(A Division of Renewable Energy)	Belguppa	Ananthapur	6.3	17-02-2017	17.03.2042
187	PTC Energy Pvt Ltd	Devankonda	Ananthapur	49.5	17-02-2017	29.03.2042
188	Green Infra Wind Solution Ltd	Karadikonda	Ananthapur	49.5	18-02-2017	29.03.2042
189	Mangalam Fashions Limited	Tallimadugula	Ananthapur	2	20-02-2017	29.03.2042
190	HC commercial LTD	Tallimadugula	Ananthapur	2	20-02-2017	29.03.2042
191	Amrit Bottlers Prviate Limited	Tallimadugula	Ananthapur	2	20-02-2017	29.03.2042
192	RSM Estates Ltd	Tallimadugula	Ananthapur	2	20-02-2017	29.03.2042
193	Daulat Financial Services Private Limited	Tallimadugula	Ananthapur	2	20-02-2017	29.03.2042
194	Dindore	Mulagavali	Kurnool	9.2	20-02-2017	29.03.2042
195	Axis Wind Energy (Anantapur) PVt Ltd	MPR Dam / Kuderu	Ananthapur	105	23-02-2017	22.03.2042
196	Mulagavalli Renewable Energy Pvt Ltd (customer of gamesa)	Mulagavali	Kurnool	46	23-02-2017	29.03.2042
197	NREDCAP Ltd (customer of gamesa)	Mulagavali	Kurnool	4	23-02-2017	29.03.2042
198	Axis Wind Farm (Rayalaseema)Pvt Ltd	MPR DAM/Kuderi	Ananthapur	105	23-02-2017	01.03.2043
199	M/s Zemira Renewable Energy Ltd (formerly Adani Wind Energy (AP) Limited)	Borampalli	Ananthapur	50.4	23-02-2017	26.03.2043
200	The KTM Jewellery Pvt Ltd(KKV Agro)	Nallakonda	Ananthapur	1.6	06-10-2017	08.03.2042
201	Mytrah Vayu (Krishna) Pvt Ltd	Burugula	Kurnool	2.3	05-03-2016	02.03.2043
202	Vibrant green tech India (P) Ltd	komatikuntlakadavakal	Ananthapur	4.5	09.06.2006	09.06.2026
203	Vibrant green tech India (P) Ltd	Kadavakallu	Ananthapur	2	31.03.1999	25.09.2030

Grand Total 3638.950

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	Date of Expiry of PPA
Bio mass Projects (Under Power Purchase Agreement)						
1	M/S. Om Shakthi Renergies Limited.	Pannuru (V), Vijayapuram (M),	Chittoor	6	24.1.2004	23.01.2024
2	M/s Greenco Energies Pvt Limited (formerly M/s. Sri Balaji Biomass Power (P) Ltd).	Chennur, Mydukuru, (M),	YSR Kadapa	6	14.4.2004	13.04.2024
3	M/s Velagapudi Power Generation Pvt. Ltd.,	Doppalapudi (V), Ponnur (M)	Guntur	4	13.12.2006	12.12.2026
4	M/s Sathya Maharshi Power Corporation Ltd.,	Penamaluru	Krishna	6	22.7.2004	21.07.2024
5	M/s.Sree Venkata Sree Devi((Bollineni Castings) (B.Seenaiah & Co. (Projects) Ltd)).	Suryapalem (V), Podalakuru (M),	Nellore	6	22-10-2003	21.10.2023
6	M/s Agri Gold Projects Ltd.	Dupadu Village, Tripurantakam Mandal, APSPDCL	Prakasham	4	7.7.2003	06.07.2023
7	M/s Jyothi Bio Energy Pvt. Ltd.(2nd Project)	Gundlapalli Village, Maddipadu Mandal	Prakasham	6	25.11.2003	24.11.2023
8	M/s Clarion Power Corpn. Ltd.,	Tanguturu (V) & (M)	Prakasham	12	21.02.2004	20.02.2024
9	M/s Agri Gold Projects Ltd.	Dupadu Village, Tripurantakam Mandal,	Prakasham	2	23.6.2007	22.06.2027
10	M/s Singaraya Hills Green Power Ltd	Hasnapur(v) Tripurantakam(M)	Prakasham	8	13.07.2008	12.07.2028
11	M/s Balaji Agro Oils Ltd.	Davuluru (V), Kankipadu (M), APSPDCL	Krishna	4.5	2.06.2003	01.06.2023
12	M/s Vishnu Vidyut India Ltd	Narasingabilli, Kasimkota	Vishakaptnam	7.5	26.12.12	25.12.2024

Total 72

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	Date of Expiry of PPA
Bagasse Co-generation (Under Power Purchase Agreement)						
1	M/s.KCP Sugar & Industries Corporation Ltd.	Vuyyuru (V&M),	Chittoor	12	26.12.2005	25.12.2025
2	M/s KCP Sugars & Industries Ltd.,	Lakshmipuram (V), Challapalli (M)	Krishna	5	17.01.2006	17.01.2026
3	M/s Empee Power Projects Ltd	Nellore	Krishna	20	12.03.2010	11.03.2030
4	M/s. The Chodavaram Co-operative Sugars Ltd.,	Nellore Dist, (V), Chodavaram (M)	Nellore	7	6.04.2003	05.04.2023
5	M/s.KBD Sugars (Formerly Shree Vaani Sugars & Industries) Limited	Mudipapanapalli (V)Punganur (M),	Visakhapatnam	6	08.08.2003	07.08.2023
6	M/s The Jeypore Sugar Company Ltd.	Chagallu (V)& (M),	Chittoor	17	11.12.2003	10.12.2023
7	M/s Nava Bharat Ferro Alloys Ltd. (Deccan Sugars)	Samalkot	West Godavari	7	23.11.05	22.11.2025
Total				74		

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	Date of Expiry of PPA
Industrial Waste Based (Under Power Purchase Agreement)						
1	M/s Sai Renewable Power Pvt. Ltd.	Kamavarapukota	East Godavari	4.5	08.04.2004	07.04.2024
2	M/s Raus Power (P) Limited.	Duppalapdu (V)	East Godavari	3.66	27.02.2009	26.02.2029
3	M/s 3F Industries Ltd.,	Tadepalligudem	West Godavari	6	04.05.2006	03.05.2026
4	M/s Redan	Gangavaram, Palamander	Chittoor	7.5	31.03.2015	30.03.2035
Total				21.66		

Sl. No.	Name of the Plant	Location	District	Connected Capacity (in MW)	Commercial Operation Date	Date of Expiry of PPA
Municipal Waste Based (Under Power Purchase Agreement)						
1	M/s Shriram Energy Systems Pvt. Ltd.	Vijayawada	Krishna	6	14.12.2003	13.12.2023
2	Vijayawada Municipal Corporation	Vijayawada	Krishna	0.15	11.11.2004	10.11.2024
3	M/s Jindal Urban Waste Management (Guntur) Limited	Kondaveedu, Edlapadu	Guntur	15	01.10.2021	30.09.2046
4	M/s Jindal Urban Waste Management (Visakhapatnam) Limited	Kapuluppada dump yard, Bheemunipatnam	Visakhapatnam	15	23.02.2022	22.02.2042

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 (MW)	Commercial Operation Date	Date of Expiry of PPA
1	M/s Sri Power Gen Power (Cherivi)	Tirupati	Chittoor	2	18.03.2011	17.03.2031
2	M/s AP Industrial Infra Corp. Ltd.,	Industrial Park, Gooty	Anantapur	1	15.03.2012	14.03.2037
3	M/s Kishore Electro Infra Pvt Ltd.	Guntur	Guntur	1	13.03.2012	12.03.2037
4	NTPC VIDYUT VYAPAR NIGAM LIMITED ACCOUNT SOLAR POWER	Kadapa	Kadapa	39.2	07.01.2012 01.11.2014	06.01.2037 31.10.2039
	M/s Sai Sudhir Energy Limited (NTPC NVVNL Bundled Power)	T. Veerapuram Raidurg Taluk	Anantapur			
	M/s Rithwik Projects Private Limited (NTPC NVVNL Bundled Power)	Kotagulla (V), kadiri (M)	Anantapur			
	M/s Sai Sudhir Energy Limited (NTPC NVVNL Bundled Power)	Borampalli (V), Kalyandurg (M),	Anantapur			
	M/S MEIL Green Power. Ltd,pamidi, Ananthapur.Dt (NTPC NVVNL Bundled Power)	Nagalapuram (V), Paddavaduguru (M)	Ananthapur			
5	M/s Solar Power Gen - II Sri Power(JNNSM)	Kotagullu Village, Kadiri Mandal	Anantapur	1	14.01.2012	13.01.2037
6	M/s Amrit Jal Ventures Pvt. Ltd(JNNSM)	kotagallu (V), Anantapur	Anantapur	1	07.03.2012	06.03.2037
7	M/s Gajanan Financial Services Ltd(JNNSM)	Laddagiri (V)	Kurnool	1	14.03.2012	13.03.2037
8	M/S New Era Venture Pvt. Ltd,Hyderabad	Rayachoti	Kadapa	10	30.03.2016	29.03.2036
9	M/S Vallala Sujatha (Sprouts Energy Pvt. Ltd.)	Pamulapadu(V)	Kurnool	2	08.09.2016	07.09.2036
10	M/s Sai Achuyth Energy Pvt Ltd	Jagadurthy(V) Dhone (M)	Kurnool	5	18.10.2015	17.10.2035
11	M/s Sumeru Energy Pvt ltd	Jagadurthy(V) Dhone (M)	Kurnool	5	22.09.2016	21.09.2036
12	M/S palanadu solar power Pvt Ltd	Chejerla	Guntur	5	31.03.2016	30.03.2036
13	M/s Sri Lakshmi Venkateswara Green Energy Pvt Ltd	Morasapudi (V) Nuzivid(M)	Krishna	1	30.06.2014	29.06.2034
14	M/s Abhedya Power Pvt Ltd	Ubicherla (V) Nallacheruvu (M)	Anantapur	2	08.08.2014	07.08.2034
15	Amaravathi Textiles Pvt. Ltd.	Nellore	Nellore	10	28.11.2015	27.11.2040
16	M/s Welspun Renewables Energy Pvt Ltd (Balapanur) (Whalwan)	Kadapa	Kadapa	30	20.03.2016	19.03.2041
17	M/s EAAMA Estates Pvt Ltd	Tentuvalasa (v), Badangi(M)	Vizianagaram	3	30.03.2016	29.03.2041
18	M/s Rajaratna Energy Holdings Pvt Lts	Ananthapur	Ananthapur	5	19.11.2015	18.11.2040
19	M/s Welspun Renewables Energy Pvt Ltd (Banaganapalli) (Walwhan)	Kurnool	Kurnool	70	30.03.2016	29.03.2041
20	M/s VBC Renewable Energy Pvt Ltd	Penubarthi(v), Gurla (M)	Vizianagaram	3	20.07.2016	19.07.2041
21	M/s Bright Solar Renewable Energy Pvt Ltd	Ananthapur	Ananthapur	10	05.01.2016	04.01.2041
22	M/s GRT Jewellers (India) Pvt Ltd	Ananthapur	Ananthapur	6	05.01.2016	04.01.2041

Sl. No.	Name of the Plant	Location	District	Installed Capacity (MW)	Commercial Operation Date	Date of Expiry of PPA
23	M/s Aarohi Solar Pvt Ltd	Ananthapur	Ananthapur	50	29.03.2016	28.03.2041
24	M/s Vishwatma Solar Energy Pvt Ltd	Kurnool	Kurnool	30	30.04.2016	29.04.2041
25	M/s Renew Solar Energy (Karnataka) Pvt Ltd (Adoni)	Kurnool	Kurnool	39	04.03.2016	03.03.2041
26	M/s Hindupur Solar Park Pvt Ltd., (Hindupur)	Ananthapur	Ananthapur	40	31.03.2016	30.03.2041
27	M/s Dayanidhi Solar Power Pvt Ltd	Chittor	Chittor	40	01.04.2016	31.03.2041
28	M/s Hindupur Solar Park Pvt Ltd., (Punganur)	Chittor	Chittor	40	28.06.2016	27.06.2041
29	M/s SEI Green Flash Pvt Ltd	Nellore	Nellore	30	27.10.2017	26.10.2042
30	M/s SEI Arushi Pvt Ltd	Ananthapur	Ananthapur	30	28.10.2017	27.10.2042
31	M/s Niranjana Solar Energy Pvt Ltd	Kurnool	Kurnool	20	31.03.2016	30.03.2041
32	M/s Azure Power Infrastructure Pvt Ltd	Ananthapur	Ananthapur	50	28.03.2016	27.03.2041
33	M/s Renew Solar Energy (Karnataka) Pvt Ltd (Cumbum)	Prakasham	Prakasham	21	08.03.2016	07.03.2041
34	M/s ACME Jaisalmer Solar Power Pvt Ltd	Kadapa	Kadapa	20	12.05.2016	11.05.2041
35	M/s Waaneep Solar Pvt Ltd., (Gurramkonda)	Chittor	Chittor	25	29.09.2016	28.09.2041
36	M/s Waaneep Solar Pvt Ltd., (Nagiri)	Chittor	Chittor	25	02.08.2018	01.08.2043
37	M/s Rain coke Ltd.	Ananthapur	Ananthapur	22	07.11.2017	06.11.2042
38	YASWANTH SOLAR ENERGY PVT LTD	Muddanur	Kadapa	1	01.10.2016	30.09.2026
39	NTPC (NP Kunta Ultra Mega solar park)	NP Kunta	Ananthapuram	250	05.09.2016	08.05.2041
40	NTPC (Gani, kurnool Solar Park)(Sun Edison)	KURNOOL (Gani)	Kurnool	500	31.03.2017	30.03.2042
41	NTPC (Gani, kurnool Solar Park.)(SB Energy)	KURNOOL	Kurnool	350		
42	NTPC (Gani, kurnool Solar Park.)(Azure)	KURNOOL	Kurnool	100		
43	NTPC (Gani, kurnool Solar Park.)(Prayatna)	KURNOOL	Kurnool	50		
44	NREDCAP (Canal top)	G.V.Thippa, Bhimavaram (M)	West Godavari	1	10.08.2016	09.08.2041
45	SOLAR ENERGY CORPORATION OF INDIA LTD (SECI-AZURE 50MW)	Kadapa	Kadapa	400	04.06.2018	03.06.2043
	SOLAR ENERGY CORPORATION OF INDIA LTD (SECI-FRV 2 - 50MW)	Kadapa	Kadapa		31.01.2019	30.01.2044
	SOLAR ENERGY CORPORATION OF INDIA LTD 2*50 (SECI-TATA 100MW)	Kadapa	Kadapa		22.07.2018	21.07.2043
	SOLAR ENERGY CORPORATION OF INDIA LTD (SECI-FRV 1 - 50MW)	Kadapa	Kadapa		22.07.2018	21.07.2043
	SOLAR ENERGY CORPORATION OF INDIA LTD (SECI-ACME 150MW)	Kadapa	Kadapa		21.07.2018	20.07.2043
46	NTPC Kadapa Mylavaram	Mylavaram	Kadapa	250	31.05.2019	30.05.2044
47	NTPC- SBG(Solar park at NP Kunta, Ananthapur, Phase-II)	Ananthapur	Ananthapur	250	11.03.2020	10.03.2045
48	NTPC- Ayana Solar(NP Kunta, Ananthapuram)	Ananthapur	Ananthapur	250	08.03.2021	07.03.2046
49	NTPC- Sprng Agniitra(NP Kunta, Ananthapuram)	Ananthapur	Ananthapur	250	26.06.2021	25.06.2046
50	SB Solar Services Pvt. Ltd	Midthur village, Midthur Mandal	Kurnool	3	21.03.2019	20.03.2031
Total				3350.200		
State Installed Capacity Grand Total in MW				19831.484		

6.5 STATION WISE GENERATION - THERMAL (2014-15 TO 2022-23) (MU)

S.No.	Year	VTPS (MU)	RTPP (MU)	Krishnapatnam (MU)	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
9	2022-23	10125.01	8458.80	6059.68	24643.48

**6.5(A) GAS BASED STATION (VIJESWARAM) GENERATION (MU)
(JOINT SECTOR) 2014-15 TO 2022-23**

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
9	2022-23	184.04	166.66	350.70

(*) Generation data as per SLDC

6.6 STATION WISE GENERATION - APGENCO HYDEL (Including Auxiliary Consumption)(2015-16 to 2022-23)

MU

Sl. No	Year	Machkund	T.B.Dam &Hampi	Upper Sileru	Lower Sileru	Nagarjuna sagar RCPH	Nagarjuna sagar Tail pond HES	Srisailam (RBHS)	Donkarayi	Penna ahobilam	Mini Hydel 11kV & 33kV	Total
1	2015-16	297.27	97.82	508.85	1236.40	0.00	**	207.70	116.54	7.12	2.00	2473.70
2	2016-17	372.40	64.51	339.70	830.20	6.70	11.90	638.40	60.64	12.90	2.20	2339.55
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	3725.08
8	2022-23	255.62	174.48	390.26	1078.57	297.84	98.12	1883.20	98.60	15.34	2.90	4294.93

6.7 GENERATION, PURCHASE, IMPORT AND EXPORT OF ENERGY

Generation (Gross), Purchases, imported and wheeled

Figures in MU

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	308	541	9456	29985
1995-96	6662	15103	21765	7814	-	-	585	34	309	637	9159	30924
1996-97	7970	16720	24690	6964	-	-	290	6	-	1733	8993	33683
1997-98	7245	19019	26265	7321	-	-	651	0	310	3649	11881	38146
1998-99	7189	19834	27023	6921	-	-	924	51	310	5314	13551	40573
APGENCO												
1999-2K	8133.00	21499.10	29632.10									29632.10
2000-01	7230.68	21934.25	29164.93									29164.93
2001-02	5757.10	22245.00	28002.10									28002.10
2002-03	3336.85	23032.54	26369.39									26369.39
2003-04	2958.98	22455.39	25414.37									25414.37
2004-05	5267.22	21145.07	26412.29									26412.29
2005-06	7872.53	18718.33	26590.86									26590.86
2006-07	9246.63	19994.07	29240.70									29240.70
2007-08	9509.76	21451.57	30961.33									30961.33
2008-09	7702.54	23294.47	30997.01									30997.01
2009-10	5450.48	24101.16	29551.64									29551.64
2010-11	7717.67	26845.62	34563.29									34563.29
2011-12	6375.55	32893.11	39268.66									39268.66
2012-13	3206.64	34729.55	37936.19									37936.19
2013-14	7142.91	31706.00	38848.91									38848.91
2014-15	3750.30	19868.38	23618.68									23618.68
2015-16	2486.51	21217.17	23703.68									23703.68
2016-17	2312.58	24728.76	27041.34									27041.34

* Western Electricity Boards

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

EBC net generation from 2004-05 onwards

(Contd..)

6.7 GENERATION -SLDC DATA (Ex-bus)PARTICULARS (in MU)

6.7 GENERATION -SLDC DATA (Ex-bus)PARTICULARS (in MU)										
	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	2781.78	12587.72	68972.63
2022-23	4216.76	24643.48	28860.24	350.70	12950.83	8000.55	7367.34	6259.13	8676.69	72465.48

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	32.03*	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	2022-23
1.	Units Generated	MU	12066.23	11654.38	10821.93	10887.55	11060.39	8331.60	11591.93	11124.76
2.	Auxiliary consumption	MU	1098.16	1008.32	977.12	815.57	1002.80	715.44	1009.91	960.55
3.	Auxiliary consumption %	%	9.10	8.65	9.03	9.03	9.07	8.59	8.71	8.63
4.	Service	Hours	8018.89	7828.36	7213.53	7727.12	7959.43	5609.92	7947.00	7661.56
5.	Planned maintenance	Hours	759.48	805.13	1344.85	984.63	824.52	3150.38	836.80	1277.55
6.	Forced outage									
7.	Reserve shutdown									
8.	Availability factor	%	91.29	89.36	82.35	88.21	90.61	90.64	90.72	87.46
9.	P.L.F.	%	78.05	75.59	70.19	70.62	71.54	54.04	75.19	72.16
10.	KWH / KW		6856	6622	6149	6186	6284	4734	6586	6321

6.10 PERFORMANCE OF NELLORE THERMAL POWER STATION

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

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

6.11 PERFORMANCE OF RAYALASEEMA THERMAL POWER STATION

S.No.	Item	Unit	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15
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	2022-23
1.	Units generated	MU	7292.70	6712.60	6926.44	6637.32	6408.35	2278.46	6814.90	9313.13
2.	Auxiliary consumption	MU	760.08	691.75	695.46	687.52	608.71	232.20	620.64	852.17
3.	Auxiliary consumption	%	10.42	10.31	10.23	10.36	9.50	10.19	9.11	9.15
4.	Service hours	Hrs	8270.37	7680.38	7691.43	6570.76	5485.05	1714.16	5357.82	7183.30
5.	Planned maintenance	} Hrs	485.56	535.36	949.22	2729.34	3298.85	7045.84	3384.78	1468.57
6.	Forced outage									
7.	Reserve shutdown									
8.	Availability factor	%	94.15	87.68	87.80	60.93	62.44	85.88	61.16	71.30
9.	PLF	%	79.07	72.98	73.94	45.92	44.22	15.76	47.15	64.43
10.	KWH / KW		6945	6393	4198	4023	3884	1380.89	4130	4130

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

6.12 PERFORMANCE OF THERMAL UNITS SINCE COMMISSIONING

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

	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
	MW	MU	%	MU	%	MU	%	MU	%	MU	%	MU	%	MU	%
VTPS															
Unit - I	210	1662.79	90.39	1684.79	91.58	1690.44	91.64	1432.80	77.91	1643.70	89.40	1513.13	82.25	1443.51	78.25
Unit - II	210	1607.02	87.36	1640.85	89.20	1721.25	93.31	1670.20	90.80	1318.00	71.70	1530.39	83.19	1321.89	71.66
Unit - III	210	--	--	--	--	--	--	--	--	413.70	72.00	1584.00	86.11	1174.86	63.69
Unit - IV	210	--	--	--	--	--	--	--	--	--	--	71.03	--	1374.25	74.50
STATION	840	3269.81	88.87	3325.64	90.39	3411.69	92.48	3103.00	84.30	3375.40	79.40	4698.55	83.85	5314.51	72.03
KTPS `A`															
Unit - I	60	382.86	72.84	333.85	63.52	394.21	74.80	204.20	38.80	433.00	82.40	305.44	58.11	139.91	26.55
Unit - II	60	345.46	65.73	137.23	26.11	460.44	87.36	422.10	80.00	392.80	74.70	288.14	54.82	380.39	72.17
Unit - III	60	387.28	73.68	354.55	67.46	196.60	37.31	287.70	54.70	391.40	74.50	172.98	32.91	291.87	55.38
Unit - IV	60	19.29	3.67	418.91	75.70	392.38	74.45	401.90	76.50	169.70	32.30	329.03	62.60	296.01	56.16
STATION	240	1134.89	53.98	1244.54	59.20	1443.63	68.48	1315.90	62.60	1386.90	66.00	1095.59	52.11	1108.18	52.17
KTPS `B`															
Unit - V	110	415.32	43.10	424.79	44.08	600.30	62.13	618.40	64.20	464.00	48.70	414.27	45.04	544.40	58.92
Unit - VI	110	279.34	28.99	433.54	44.98	612.59	63.40	583.40	60.60	559.40	58.70	502.84	54.67	505.04	54.87
STATION	220	694.66	36.04	858.33	44.53	1212.89	62.76	1201.80	56.40	1023.40	53.70	917.11	49.85	1049.44	56.89
KTPS `C`															
Unit - VII	110	520.99	54.07	615.78	63.90	641.27	66.37	455.80	47.30	653.40	67.80	490.37	50.87	418.59	43.32
Unit - VIII	110	539.24	55.96	634.66	65.87	711.99	73.69	632.00	65.60	390.00	40.50	438.32	45.49	405.19	41.93
STATION	220	1060.23	55.01	1250.44	64.88	1353.26	70.03	1087.80	56.40	1043.40	54.10	928.69	48.19	823.78	42.63
		1060.23													
KTPS															
TOTAL	680	2889.78	48.51	3353.31	56.29	4009.78	67.13	3605.50	60.50	3453.70	58.20	2941.39	50.12	2981.40	50.66
RTS B															
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															
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															
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-IX(Stab.)	250	-	-	-	-	-	-	-	-
Comml. from 1.10.97		-	-	-	-	-	-	-	-
Unit-X	250	-	-	-	-	-	-	-	-
TOTAL	500	-	-	-	-	-	-	-	-
RTPP-U-I	210	-	-	-	-	-	-	348.14	-
RTPP-U-II	210	-	-	-	-	-	-	979.37	70.85
STATION	420	-	-	-	-	-	-	-	-
RTS-B	62.5	220.60	40.29	360.62	65.87	353.62	64.59	374.38	68.19
NTS	30	102.66	39.07	109.99	41.85	91.11	34.67	129.34	49.08
TOTAL }									
THERMAL }	2452.5	9114.18	64.93	9639.42	68.67	10820.2	70.11	13775.35	78.16
ALL INDIA			57.10		61.00		60.00		63.00
200 / 210 MW Units									(Contd.,)

6.12 PERFORMANCE OF THERMAL UNITS SINCE COMMISSIONING

Station	Capacity MW	2015-16		2016-17		2017-18		2018-19		2019-20		2020-21		2021-22		2022-23	
		Gen MU	PLF %	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	1188.74	64.62
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	1336.18	72.63
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	1141.41	62.05
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	1360.39	73.95
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	1270.44	69.06
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	1423.96	77.41
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	3403.64	77.71
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	11124.76	72.16
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	1318.592	71.68
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	866.692	47.11
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	1350.405	73.41
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	1366.596	74.29
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	1363.707	74.13
RTPP-Unit-VI	600	---	---	---	---	125.05	---	1089.36	20.73	2348.21	44.55	869.466	16.54	2530.47	48.14	3047.134	57.97
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	9313.125	64.43
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	20437.89	68.42

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

6.13 THERMAL POWER STATION-FUEL PARTICULARS

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

(Contd.,)

6.13 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
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	

6.14 HYDEL RESERVOIR PARTICULARS

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

6.15 YEAR-WISE STORAGE AND INFLOWS

Year	Initial level in	Gross Storage in TMC ft	During July -June	
	ft as on 1st 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 ft as on 1st July	Gross Storage in TMC ft	During July -June			
			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	
2022-23	806.20	3.191	1770.50	342.52 (RBPH)	
DATA OF JALAPUT RESERVOIR					
2014-15	2736.55	20.55	36.13	44.80	
2015-16	2730.60	16.48	43.62	39.74	
2016-17	2730.10	16.14	43.61	50.42	
2017-18	2723.10	12.12	39.97	35.73	
2018-19	2735.90	20.10	53.88	38.98	
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	
2022-23	2729.05	15.49	38.33	34.36	
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
2022-23	1461.10	17.42	73.04	56.44	57.27

6.16 GENERATION SCHEMES CLEARED AND READY FOR EXECUTION AS ON 31-03-2023

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 to 7 in the FY24-25 and remaining 5 units in the FY 25-26.
2	Additional two units at Lower Sileru power House	Alluri Sitaramaraju	2 X 115 MW = 230 MW	Programmed to commission both the Units in FY 2025.
3	Dr. NTTPS - Stage V	Krishna Dt	1X800 MW	Programmed to commission during 2023-24 (Dr.NTTPS Stage-V was declared COD w.e.f 21.12.2023.).

6.17 POWER PROJECTS UNDER CONSTRUCTION - PROGRESS AS ON 31-03-2023

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	8328.31	* Zero date was commenced on Dt:15.12.2015 * works are under Progress * synchronization with oil - 07-Dec-2021 *Programmed to commission during 2023-24 (Dr.NTTPS Stage-V was declared COD w.e.f 21.12.2023.)
State Sector (Hydro)					
1	Polavaram HEP	Polavaram	12 x 80 MW	5338.95	* Zero date was commenced on Dt:30.03.2021 Works are under progress
2	Additional two units at Lower Sileru	Lower Sileru Power House	230 MW (2 x 115 MW)	571Crs	Work awarded on 13-04-2022 to M/s SSEL_PES (Consortium). Environmental clearance is obtained on April-24

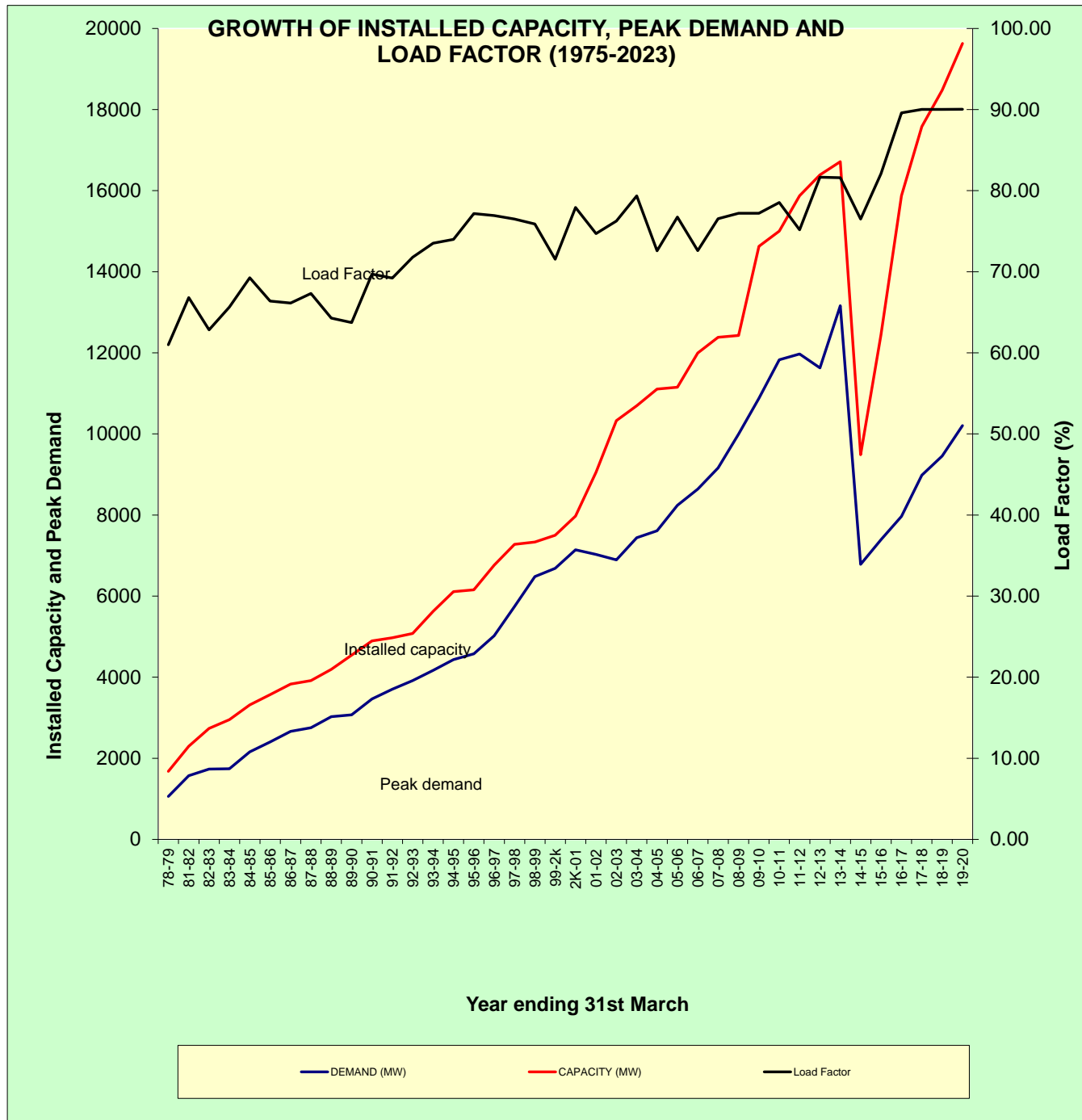
6.18 Generation Projects under Development as on 31-3-2023

State Sector				
S.No	Name of the Project	Capacity Addition	Estimated Cost (in Crs.)	Remarks
1	Pumped Storage Project at Upper Sileru	1350 MW (9 x 150 MW)	Rs. 11881.5 Crs	Public Hearing completed on 01.04.23, Forest Clearance & Environmental clearance is under process and expected by August-23. Obtaining of Techno Economic Concurrence (TEC) from CEA is expected by May-23

6.19 Estimated potential & Harnessesed in Renewable Energy Sources (As on 31.03.2023)

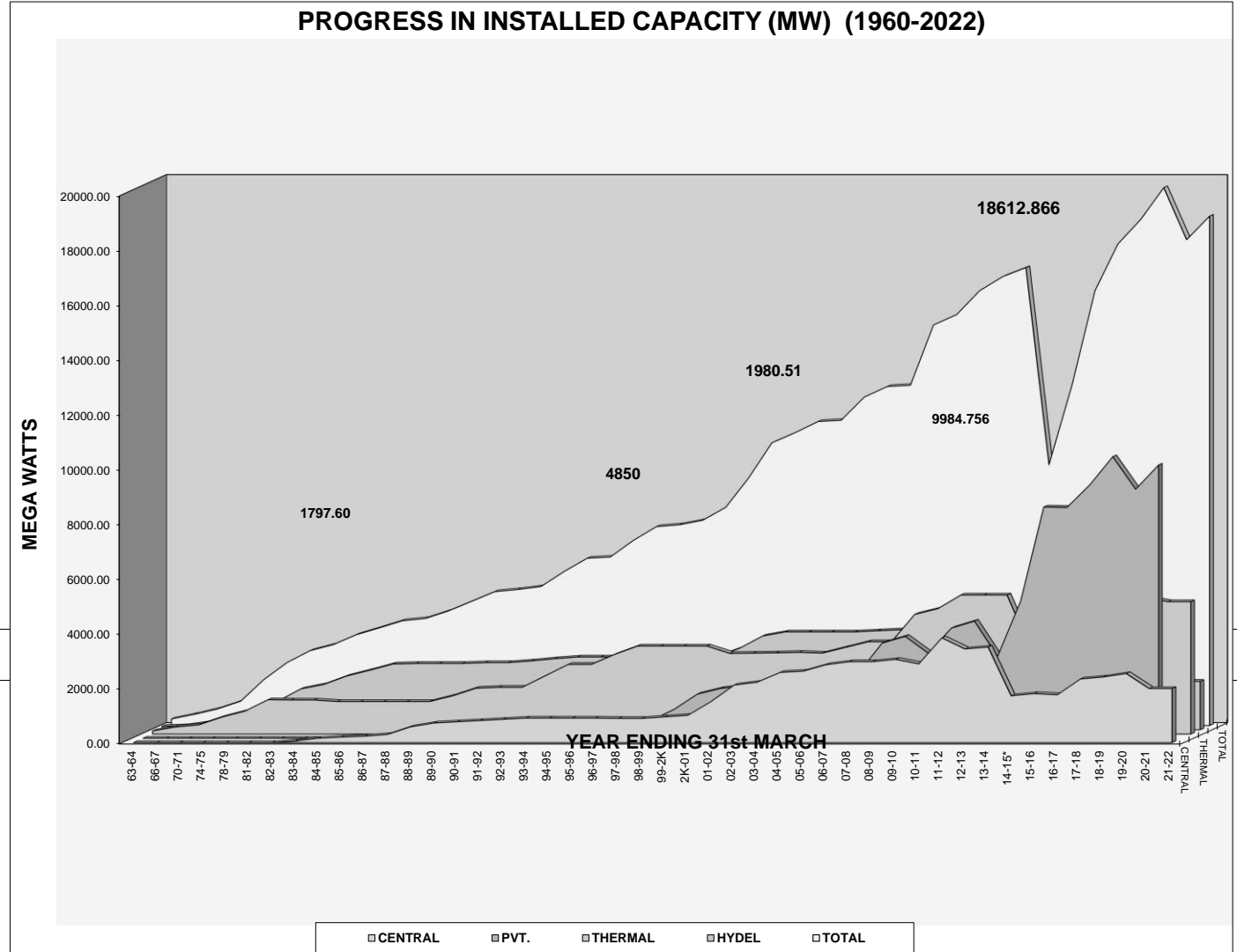
SNO	Energy Source	Potential (MW)	Capacity Harnessesed up to 31st Mar 2022 (MW)	Expired power plants during the Financial Year 2022-23	Capacity Availble up to 31st Mar 2023 (MW)
1	Wind	44229.00	3767.950	(129.000)	3638.950
2	Biomass projects including co-generation power projects	500.00	108.000	(36.000)	72.000
3	Bagasse based Co-generation	300.00	94.000	(20.000)	74.000
4	Municipal Solid Waste	100.00	36.150	0.000	36.150
5	Industrial Waste	100.00	21.660	0.000	21.660
6	Small Hydro	500.00	30.650	(2.100)	28.550
7	Solar	38440	3755.626	0.000	3755.626
	Total	84169	7814.036	(187.100)	7626.936

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	64.32
21-22	18592	12032	65.44
22-23	19831	12293	67.29

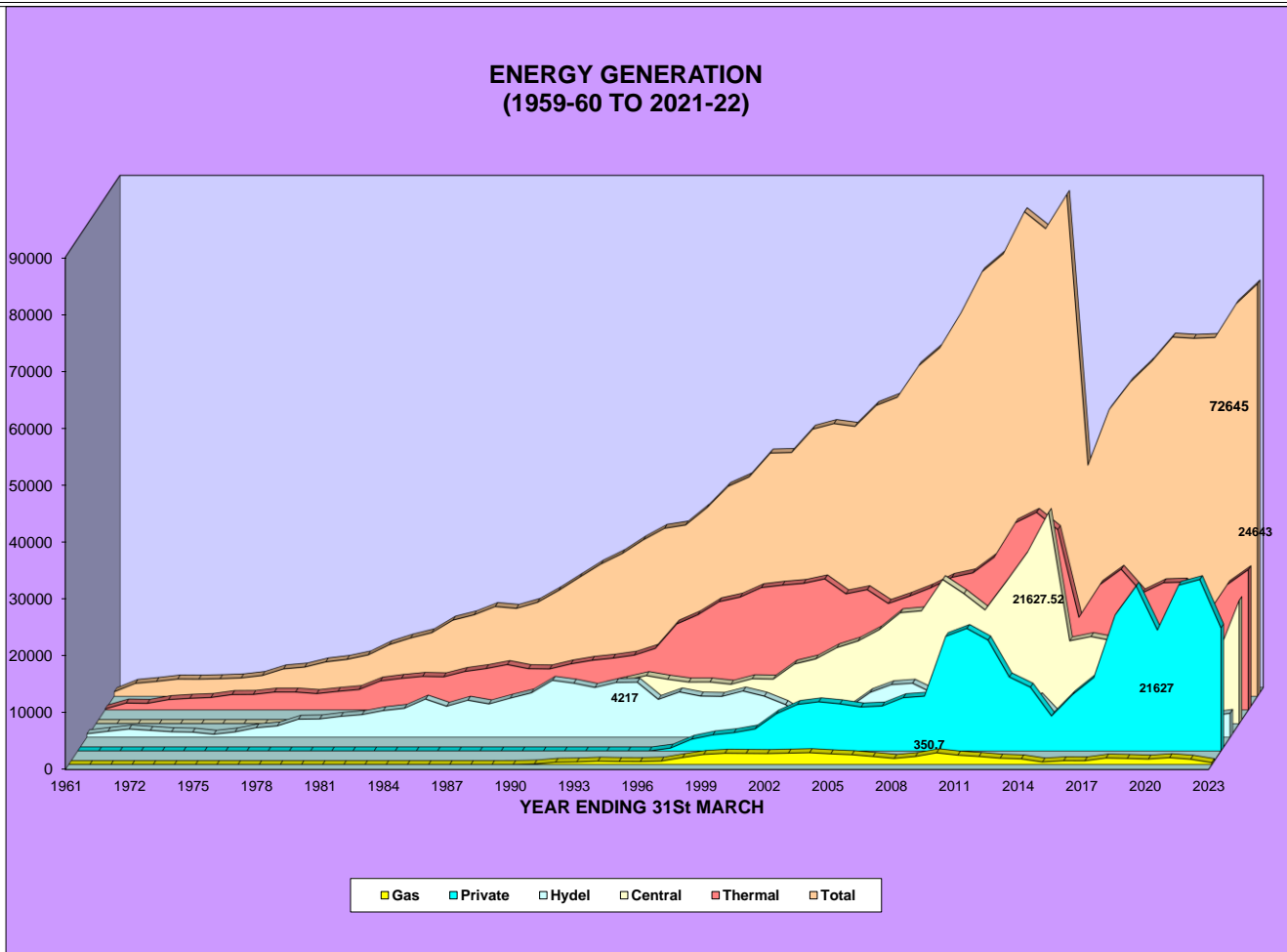


YEAR	HYDEL	THERMAL	CENTRAL	PVT & OTHERS.	TOTAL
59-60	124.00	89.00	--		213.00
63-64	126.00	114.00	--		240.00
66-67	151.60	259.00	--		410.60
70-71	271.60	337.00	--		608.60
74-75	271.60	620.00	--		891.60
78-79	841.60	840.00	--		1681.60
81-82	1043.20	1260.00	--		2303.20
82-83	1494.80	1247.50	--		2742.30
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	9988.06	18592.166
22-23	1773.60	5640.00	1978.63	10439.26	19831.484

* 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	77664
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	23470	981	21242	14698	62921
2021	3822	16430	1226	29109	12483	63070
2022	3698	23010	953	30110	12202	68973
2023	4217	24643	351	21627	21628	72465



* 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 + 1x500	1445.00	18-12-2005 31-01-2016(3rd 315MVA) 24.03.2023 (500 MVA)
		220/132	3X100	300.00	PTR-I(27-11-2009) PTR-I(24-02-2010) PTR-III(10-04-2015),
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 (Chittoor)	400/220	2x315+1x160+1x100	890.00	SS charged on 15-09-2020
17	Guddigudem(West Godavari)	400/220	-	-	400KV Bus-I & Bus-II charged on 07.01.2023.
			Total MVA	16375.00	
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.BOBBILI 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	

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
10	5. PARWADA	220/132	3X100	300.00	29.03.2004
		132/33	1x80+3x50	230.00	29.03.2004
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
22	8. Chinturu	220/33	1x50	50.00	01.08.2022
WEST GODAVARI					
23	1.BHIMADOLE	220/132	1 X 100+2x160	420.00	13-01-1990
		132/33	1x80+2x50	180.00	
24	2.NIDADAVOLU	220/132	2 X 100+1x160	360.00	07-03-1999
25	3.BHIMAVARAM (UNDI)	220/132	2X160+1x100	420.00	02-02-2007
		132/33	2x50+2x31.5	163.00	
26	4.KAMAVARAPUKOTA	220/132	2x160+2x100	520.00	28-03-2007
27	6.PALLANTLA	220/132	1x100	100.00	SS charged on30-10-2015 & PTRs charged on 01.03.2021
		132/33	2x31.5	63.00	
28	7.DUVVA	200/132/33	2x100	200.00	27-05-2018
		132/33	2x31.5	63.00	
29	8.AKIVEEDU	220/33	1x80+1x50	130.00	28.05.2021 50MVA PTR charged on 31.10.2022
KRISHNA					
30	1.GUNADALA (VJW)	220/132	1 X 100 +2x160	420.00	1970-1971
		132/ 33	1x80+2x 50	180.00	
31	2.KONDAPALLY (VJW)	220/132	1 X 100 +2x160	420.00	30-09-1989
		132/ 33	2x31.5+1x50	113.00	27-04-2013
32	3.NUNNA	220/132	2X100	200.00	20-01-1992/ 29-03-2010
		132/ 33	2x50+1x31.5	131.50	13-04-2018
33	4.CHILLAKALLU	220/132	3 X 100	300.00	12-03-1997
		132/33	2x31.5+1x10/16	79.00	15-02-2010
34	5. GUDIVADA (KRISHNA)	220/132	2 X160+1X100 MVA	420.00	38439
		132/33	3X50MVA	150.00	29-03-2006
35	6.NUZIVIDU	220/132	2x100+1X160	360.00	20-09-2018
		132/33	4x50	200.00	28731
36	7.Tiruvuru	220/132KV	1 x 31.5MVA	31.50	02.12.2021
GUNTUR					
37	1.GUNTUR (TADIKONDA)	220/132	1x160+3 X 100	460.00	31-03-1992
		132/33	3x50	150.00	
38	2.TALLAPALLI	220	SW. STN.	0.00	17-07-1985
39	3.RENTACHINTALA	220/132	3X100	300.00	24-11-2008
		132/33	2x16 + 1 x 15	47.00	22-12-2017

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

Sl.No	NAME OF THE SS/ DISTRICT	VOLTAGE in KV	TR. CAPACITY (NO. X MVA)	TOTAL MVA	Date of Commissioning
40	4.NARASARAOPET	220/132	3X100	300.00	03-11-2009/ 25-01-2010
		132/33	3X31.5	94.50	02-02-2003
41	5.PRATHIPADU	220/132	1x160+2x100	360.00	22-04-2019
42	6. PIDUGURALLA (Upgradation)	220/132	1X160	160	24.02.2023
		132/33	1X50+1X31.5	81.5	30-03-1984
PRAKASHAM					
43	1.ONGOLE	220/132	2x160+1x100	420.00	21-8-1980
		132/33	3x50	150.00	17-7-2009
44	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
45	3.MARKAPUR	220/132	3 X 100	300.00	26-08-2001
		132/33	2x31.5	63.00	6-1-2006
46	4.PARCHUR	220/132	1x160+2x100	360.00	17-05-2010
		132/33	1x31.5+1X16	47.50	23-08-1999
47	5. KANDUKURU	220/132	2x100	200.00	30-06-2018
NELLORE					
48	1.NELLORE	220/132	3x160	480.00	11-12-1976
		132/33	3x50	150.00	
49	2.SULLURPET	220/132	3 X 100	300.00	01-05-1982
		132/33	2x50	100.00	
50	3. RACHARLA PADU	220/132	2x100	200.00	06-06-2018
		132/33	2x31.5	63.00	
51	4. ATMAKUR	220/132	2x100	200.00	22-02-2019
52	5.NAIDUPET	220/132	2x100	200.00	19.08.2020
		132/33	2x80+1x50	210.00	19.08.2020
CHITTOOR					
53	1.CHITTOOR	220/132	1x160 + 2 X100	360.00	21-06-1970
		132/33	3 x 50	150.00	
54	2.KALIKIRI	220/132	3 X100	300.00	14-08-1991
		132/33	2 x 31.5+1x50	113.00	
55	3.RENIGUNTA	220/132	1x160 + 2 X100	360.00	25-11-1995
		132/33	3x31.5	94.50	
56	4.PALAMANERU	220/132	1x100+1x160	260.00	22-10-2011
		132/33	1x80+1x50	130.00	22-10-2011
57	5.NAGIRI	220/132	3x100	363.00	15-10-2012 (30-3-1994)
		132/33	2x31.5	63.00	
58	6.THIMMAPURAM LIS	220/132	1X100	100.00	16-12-2015
		132/33	2x31.5	63.00	
59	7.KUPPAM	220/132	2 X 100	200.00	30-03-2017
60	8.MADANAPALLI (LIS)	220/132	2 X 100	200.00	11-12-2017
ANANTHAPUR					
61	1.GOOTY	220/132	2x160	320.00	20-08-1975
		132/33	2x31.5	63.00	
62	2.GOOTY	220	SW. STN	0.00	20-05-1991
63	3.ANANTAPUR	220/132	3x100	300.00	31-03-1995
		132/33	1x80+2x50+1x31.5	211.50	
64	4.HINDUPUR	220/132	1x160+2x100	360.00	29-03-1993
		132/33	1x80+2x50	180.00	
65	5.RAMAGIRI	220/33	1X50+1x31.5	81.50	17-10-1995
66	6.TADIPATHRI	220/132	2x100	200.00	29-7-2002
		132/33	2x50+1x31.5	131.50	
67	7.KALYANDURG	220/132	3x100	300.00	21-07-2007
		132/33	3X50	150.00	29-12-1986
68	8.BOYAREDDYPALLI	220	SW.STN	0.00	21-01-2008
69	9.REGULAPADU(LIS)	220/11	3X25	75.00	07-06-2011
70	10.RTSS (Gooty)	220/132	SW. STN	0.00	30-3-2012
71	11.YELLANUR LIS	220/11	2x25	50.00	27-3-2014
72	12.VAJRAKARUR	220/132	1x100	100.00	14-07-2016
73	13.BOKSAMPALLI	220/132	1x100	100.00	11-04-2016
		132/33	3x31.5	94.50	
74	14.SUBBARAYUNIPALLI	220/33	2X50	100.00	11-05-2016
75	15.GOLLAPURAM	220/132	2x100	200.00	26-12-2016
		132/33	1x50+1x31.5	81.50	
76	16.BORAMPALLI	220/132	1X100	100.00	01-06-2017
77	17. SHAPURAM	220	SWS	0.00	5-5-2012

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
78	18.GADDAMVARIPALLI	220/11	2x25	50.00	4-2-2017
79	19.GUDDUMARRI LIS	220/11	2x50	100.00	2-5-2017
80	20. AMMAVARIPALLI	220/33	2x50	100.00	7-24-2019
81	21.Muthyalacheruvu	220/132	1X100	100	27.02.2023
KADAPA					
82	1.KADAPA	220/132	1X160+2X100	360.00	24-05-1970
		132/33	2x50	100.00	
83	2.CHINAKAMPALLY	220/132	1x100 +1x 160	260.00	19-01-1986
84	3.MYDUKUR	220/33	1X50+2x31.5	113.00	31-03-1992
85	4.RAJAMPETA	220/132	2x100	200.00	28-03-1993
		220/33	0	0.00	
		132/33	2X31.5	63.00	
86	5.YERRAGUNTLA	220/132	3 X 100	300.00	24-10-1993
		132/33	2x31.5+1x16	79.00	
87	6.KODURU	220/33	2 x 31.5+1x50	113.00	15-06-1997
88	7.PULIVENDULA	220/132	2X100	200.00	19-11-2009
		132/33	2x16	32.00	09-03-2011
89	8.THIMMAPURAM	220/11	2x25	50.00	07-03-2012
90	9.KONDAPURAM	220/132	2x100	200.00	13-08-2012
		132/33	2x31.5	63.00	
91	10.PORUMAMAILLA	220/132	2X100	200.00	31-03-2017
92	11.CHAKRAYAPET	220/132	2x100	200.00	19-05-2018
		132/33	1x31.5+1x16	47.50	
93	12.TIRUMALAYAPALLI	220/132	2x160	320.00	22-01-2020
KURNOOL					
94	1.A.P CARBIDES	220/132	2X160+1X100	420.00	19-03-1989
		132/33	2X31.5	63.00	
95	2.SOMAYAJULAPALLI	220	Sw.Stn	0.00	28-03-1995
96	3.NANDYALA	220/132	3 X 100	300.00	31-03-1995
		132/33	3X50	150.00	
97	4.BRAHMANAKOTKUR(LIS)	220/11	3x25	75.00	29-10-2010
98	5.MALYALE(LIS)	220/11	4X31.5	126.00	06-01-2011
99	6.DHONE(LIS)	220	SW .STN	0.00	28-07-2011
100	7. BILAKALAGUDUR	220	SW .STN	0.00	28.3.2017
101	8.KHAMBALPADU(LIS)	220/11	3X25	75.00	30-08-2011
102	9.LAKKASAGARAM(LIS)	220/11	3X25	75.00	12-10-2011
103	10.KRISHNAGIRI(LIS)	220/11	3X25	75.00	22-10-2011
		220/33	1x50	50.00	
104	11.SETTIPALLY(LIS)	220/11	3X25	75.00	18-11-2011
105	12.NANSURULLA(LIS)	220/11	3X25	75.00	18-11-2011
		220/33	1x80	80.00	03-12-2011
106	13.MACHUMARRI(LIS)	220/11	1X25+2X31.5	88.00	29-04-2017
MVA				28178.00	
*	Srisailam	220/132	1x100	100.00	22-07-2014
Total MVA				28278.00	

*220KV SS Srisailam is under the control of APGENCO, only maintenance of 100MVA PTR is being done by AP Transco

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	2x31.5	63.00	30-09-1993
3	3.PALAKONDA	132/33	2X31.5	63.00	31-03-1994
4	4.ICHPURAM	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 WALT AIR (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	1X25+x31.5	56.50	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	2 x 50+1x80	180.00	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.JANGAREDDYGUEDEM	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	1x50+1x80	130.00	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.YERNAGUEDEM	132/33	2X31.5	63.00	28-12-2017
70	16.DWARAKA TIRUMALA	132/33	2x31.5	63.00	31-12-2021. 2nd 31.5MVA PTR Charged on 13.05.2022.
71	17.Narayanapuram	132/33	2x31.5	63.00	22.12.2022
	KRISHNA				
72	1.KANUMOLU	132/33	1 x 31.5+2x50	131.50	05-03-1978
73	2.PAMARRU	132/33	2x50	100.00	05-04-1978
74	3.MACHILIPATNAM	132/33	2x50	100.00	17-12-1993
75	4.VIJAYAWADA (VJW)	132/33	3x50	150.00	28-01-1994
76	5.GANGOOR	132/33	2x50	100.00	30-12-2000
77	6. BHAVANIPURAM	132/33	1x50+1x31.5	81.50	31-07-2016
78	7. KHAMBAMPADU	132/33	2x31.5+ 1x50	113.00	08-07-2004
79	8.NANDIGAMA	132/33	1x50+1x31.5	81.50	09-08-2006
80	9.AVANIGADDA	132/33	2 x 31.5	63.00	31-03-2010
81	10.AUTO NAGAR	132/33	1x80+1x50	130.00	21-05-2013
82	11.CHIGURUKOTA	132/33	1X31.5+2X50	131.50	10-04-2016
83	12.RANGANNAGUEDEM	132/33	2 x 31.5	63.00	21-11-2016
84	13.NARSAPURAM	132/33	2 x 31.5	63.00	23.08.2021

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
85	14.Moghalrajpuram GIS	132/33	1X31.5	31.50	Charged in full shape on 22-07-2022 33 KV GIS Modular Charged on 22-07-2022. 132kv GIS Modules charged on 09.02.2022
GUNTUR					
86	1.GUNTUR	132/33	2 x 80+1x50	210.00	28-02-1977
87	2.TADEPALLI	132/33	1x50+2x31.5	113.00	31-03-1970
88	3.BAPATLA	132/33	2x31.5+1 x 16	79.00	29-11-1978
89	4.MACHERLA	132/33	2x50+1x31.5	131.50	29-12-1975
90	5.CHILAKALURIPETA	132/33	3x50	150.00	27-12-1987
91	6.TENALI	132/33	2x50+1X31.5	131.50	20-08-1993
92	7.REPALLE	132/33	2x50+1x31.5	81.50	30-12-1993
93	8.VINUKONDA	132/33	2x31.5+1x50	113.00	30-08-1999
94	9.NALLAPADU	132/33	3X31.5	94.50	17-08-2008
95	10.MARRIPALEM	132/33	3X31.5	94.50	24-01-2009
96	11.TANGEDA	132/33	3X16	48.00	26-08-2010 (28-12-2012)
97	12.KARAMPUDI	132/33	2X31.5	63.00	19-07-2010
98	13. RENTAPALLA	132/33	2x31.5+1x16	79.00	27-06-2013
99	14.GAJJANAGUNDLA	132/33	3X31.5	94.50	31-07-2013
100	15.CHAKRAYAPALEM	132/33	1X16+1x31.5	47.50	28-03-2016
101	16.YADAVALLI	132/33	1x31.5+1X15	46.50	29-03-2018
102	17. PONNURU	132/33	2x31.5	63.00	23-07-2018
103	18. UPPALAPADU (VELDURTHY)	132/33	1X10/16+2X31.5	79.00	28-07-2018
104	19. AIIMS, MANGALAGIRI	132/33	1x31.5	31.50	13-11-2020
PRAKASHAM					
105	1.ONGOLE	132/33	1X16+1x31.5	47.50	1963-1964
106	2.CUMBUM	132/33	1 X 16+2x31.5	79.00	27-02-1974
107	3.KANIGIRI	132/33	1X31.5+1x50	81.50	25-07-1990
108	4.CHIRALA	132/33	2 X31.5+1X16	79.00	13-06-1993
109	5.ERRAGONDAPALEM	132/33	2x50	100.00	31-03-1994
110	6. KANDUKUR	132/33	1x31.5+1 X 50	81.50	29-05-1996
111	7.GIDDALUR	132/33	2x31.5	63.00	13-08-1997
112	8.MEDARAMETLA	132/33	2x31.5 + 1 x 50	113.00	19-03-2001
113	9.PEDDADORNALA	132/33	2x16	32.00	31-03-2008
114	10.INKOLLU	132/33	2 X 10/16	32.00	31-03-2008 Trs charged on 26-11-2016
115	11.MARTUR	132/33	1x50+1x31.5	81.50	02-10-2008
116	12.PAMURU	132/33	1X31.5+1x16	47.50	18-07-2010
117	13.TANGUTURU	132/33	1x31.5+1x16	47.50	31-3-2012
118	14.ADDANKI	132/33	2x31.5+1X16	79.00	11-01-2014
119	15.LINGASAMUDRAM	132/33	2x16	32.00	5-09-2014
120	16.DARSI	132/33	2x31.5 + 1 x 50	113.00	24-09-2014
121	17.KESINENIPALLY	132/33	2X31.5+1X16	79.00	23-06-2015 08-10-2015
122	18.ANUMALAPALLI	132/33	1x31.5	31.50	27-11-2019

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	COMMISSIONING/ COMPLETION
	NELLORE				
123	1.NELLORE SOUTH (NAVLAC GARDEN)	132/33	3x31.5+1x50	144.50	23-11-1981
124	2.VENKATAGIRI	132/33	1x31.5+1x50	81.50	24-09-1992
125	3.SRIHARIKOTA	132/11	2 X 16	32.00	18-11-1978
126	4.GUDUR	132/33-11	1 X 16+1x25+2X31.5	104.00	10-7-1980
127	5.ATMAKUR	132/33	2x50	100.00	19-02-1988
128	6.KAVALI	132/33	1x31.5+ 2x50	131.50	22-12-1980
129	7.CHENDODU	132/33	2x50	100.00	11-12-1991
130	8.ALLURU	132/33	1x50+1x31.5	81.50	16-03-2001
131	9.UDAYAGIRI	132/33	2 X 16+1x50	82.00	07-12-2001
132	10. ADURUPALLI	132/33	3 X 16	48.00	9-10-2004
133	11. BRAHMADEVAM	132/33	2x31.5+1x50	113.00	31-3-2005
134	12.NAIDUPET	132/33	1x50+1X31.5	81.50	03-08-2005
135	13.NTS KOVVUR	132/33	3x31.5	113.00	01-01-2006
136	14.MENAKURU	132/33	1x50+1X31.5	81.50	21-12-2012
137	15.RAPUR	132/33	3X16	48.00	6-03-2018
138	16.VINZAMUR	132/33	1x31.5+1x15	46.50	22-02-2019
139	17. ANANTHASAGARAM	132/33	1 x 10/16 + 1 x 25	41.00	22.04.2021
140	18. KALLURIPALLI	132/33	1 x 31.5	31.50	06.08.2021
141	19. GOTTIPROLU	132/33	2 x 31.5	63.00	03.09.2021
142	20. DAGADARTHI	132/33	1 x 31.5	31.50	03.09.2021
143	21.Krishnapatnam Port Switching station	132/33	SwS	0.00	29.05.2022
	CHITTOOR				
144	1.PUTTUR	132/33	1x50+1X31.5	81.50	12-6-1982
145	2.TIRUPATHI	132/33	2x50	100.00	12-11-1986
146	3.PAKALA	132/33	1x31.5+1x50	81.50	4-2-1990
147	4.SRIKALAHASTI	132/33	1x50+2x31.5	113.00	31-03-1987
148	5.MADANAPALLY	132/33	2x50	100.00	10-8-1986
149	6.SHANTIPURAM	132/33	2x80	160.00	04-01-1993
150	7.KOTHAPALLI MITTA	132/33	1x80+1x50	130.00	16-06-1997
151	8.CHANDRAGIRI	132/33	1x31.5+1x16	47.50	8-11-1998
152	9.BURAKAYALAKOTA	132/33	1x50+1 X 31.5	81.50	27-03-1999
153	10.ROMPICHERLA	132/33	1x50+1 X 31.5	81.50	06-07-1999
154	11. KUPPAM	132/33	2x50	100.00	24-08-2000
155	12.PUNGANURU	132/33	2x50	100.00	19-03-2001
156	13.GURRAMKONDA	132/33	1x50+1x31.5	81.50	26-11-2005
157	14.NAGALAPURAM	132/33	2x31.5	63.00	29.3.2007(TC)
158	15.IRALA	132/33	1x31.5+1X16	47.50	02-12-2009
159	16.SOMALA	132/33	2x31.5	63.00	31-3-2012
160	17.TIRUMALA	132/33	2X16	32.00	31-3-2012
161	18.CHERVI	132/33	1x50+1X31.5	81.50	16-09-2015
162	19.SIVARAMPURAM LIS SS	132/33	2X31.5	63.00	03-04-2016
163	20.B.KOTHAKOTA	132/33	2X16	32.00	26-03-2016
164	21.ALIPIRI	132/33	1x50+1X31.5	81.50	21-09-2016
165	22.BANDLAVANDLAPALLI(LIS SS)	132/33	2X10/16	32.00	27-10-2016
166	23.NOONEGUNDLAPALLI	132/33	2X31.5	63.00	20-07-2017
167	24.RAMASAMUDRAM	132/33	1x31.5+1x16	47.50	25-06-2018 (2nd 16 MVA)
168	25.GREENPLY	132/33	SWS		23-01-2008
169	26.KOTHAPALLY	132/33	2X31.5	63.00	20-08-2019
170	27.YERPEU	132/33	2X31.5	63.00	09-09-2019
171	28.PACHIKAPALEM	132/33	2X31.5	63.00	05.09.2020

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	COMMISSIONING/ COMPLETION
172	29.PENUMURU	132/33	2X31.5	63.00	07.10.2020
173	30. KALCHERLA (LIS)	132/33	2x16	32.00	30.07.2018
	ANANTHAPUR				
174	1.DHARMAVARAM	132/33	3x31.5+1X16	110.50	10-11-1970
175	2.JAMMALABANDA	132/33	1x31.5+1x50	81.50	30-09-1994
176	3.PUTTAPARTHY	132/33	2x50	100.00	22-11-1993
177	4.KADIRI	132/33	3x50	150.00	02-07-1984
178	5.GUNTAKAL	132/33	2x31.5	63.00	31-03-1988
179	6.RAYADURG	132/33	2x50	100.00	30-07-1998
180	7.KOMATIKUNTA	132/33	1x31.5+1x50	81.50	26-07-2003
181	8.URAVAKONDA	132/33	2x31.5	63.00	29-11-2007
182	9.THUMKUNTA	132/33	3X50	150.00	26-12-2010
183	10.ANKAMPALLY(LIS)	132/11	3X16	48.00	16-03-2011
184	11.KOMALI (Sw Stn)	132/33	0	0.00	12-07-2012
185	12.THANAKALLU	132/33	1x31.5+3X16	79.50	21-12-2013
186	13.OBULAPURAM	132/33	1X31.5+1x16	47.50	12-03-2015
187	14. NAGALAPURAM	132	1x31.5	31.50	12-01-2016
188	15. GUDIPADU	132/33	SWS	0.00	02-11-2017
189	16. BEECHGANIPALLI	132/33		0.00	02-11-2017
190	17. LEPAKSHI	132/33	2x16	32.00	27-11-2017
191	18. MADAKASIRA LIS	132/33	2x16	32.00	28-12-2017
192	19. TATICHERLA	132/33	1x50+1x31.5	81.50	05-02-2018
193	20. TADIMARRI	132/33	1x31.5+1X16	47.50	30-03-2018
194	21. AMARAPURAM	132/33	2x16	32.00	20-09-2018
195	22.PALASAMUDRAM	132/33	1x50	50.00	26.07.2021
	KADAPA				
196	1.BADWEL	132/33	1 x 31.5+2x16	63.50	10-07-1993
197	2.PULIVENDULA	132/33	1x 31.5+1x50	81.50	29-12-1986
198	3.PRODDUTUR	132/33	2 x 31.5	63.00	17-09-1989
199	4.RAYACHOTI	132/33	1x 31.5+1x50	81.50	31-03-1992
200	5.VONTIMITTA	132/33	3 x 16	48.00	05-07-2000
201	6.BALAPANUR	132/33	2x31.5	63.00	26-10-2000
202	7.THIMMAYAGARIPALLI	132/33	3 x 16	48.00	12-04-2001
203	8. JAMMALAMADUGU	132/33	2x31.5	63.00	28-03-2005
204	9. VEMPALLI	132/33	2x31.5+1x16	79.00	31-03-2005
205	10.PORUMAMILLA	132/33	2x31.5	63.00	22-10-2005
206	11.MOOLAVANKA	132/33	2 x 31.5+1 x 16	79.00	20-02-2009
207	12.SAMBEPALLE	132/33	3X16	48.00	04-06-2011
208	13.RTSS KADAPA		SWT.STN	0.00	12-11-2010
209	14.RTSS MUDDANUR		SWT.STN	0.00	09-02-2011
210	15.GANDIKOTA (LIS)	132/11	2x25	50.00	24-11-2011
211	16.LINGALA	132/33	3x16	48.00	30-1-2012
212	17.DUVVUR	132/33	1 x 31.5+1 x 16	47.50	26-08-2015
213	18.KALASAPADU	132/33	1 x 31.5+1 x 16	47.50	13-03-2019
214	19.BRAHMAM GARI MATAM	132/33	1x31.5	31.50	29-03-2019
215	20.BHARATHI CENMENTS LIMITED	132/33	SWS	0.00	15-05-2009
216	21.NALLACHERUVU	132/33	2X31.5	63.00	08-07-2021
217	22 . SATELLITE CITY	132/33	2x16	32.00	30.04.2022
218	23 . C.ORAMPADU	132/33	2x16	32.00	14.10.2022
219	24. T.SUNDUPALLI	132/33	2x16	32.00	14.11.2022
	KURNOOL				
220	1.KURNOOL	132/33	2x31.5+1x16	79.00	18-04-1970
221	2.CEMENT NAGAR	132/33	2 x 31.5	63.00	22-05-1981
222	3.ALLAGADDA	132/33	2x50	100.00	29-12-1994

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	COMMISSIONING/ COMPLETION
223	4.ADONI	132/33	2 x 31.5+1x16	79.00	21-11-1978
224	5.DHONE	132/33	2 x 31.5	63.00	24-06-1993
225	6.ATMAKUR	132/33	2 x 31.5	63.00	13-03-1994
226	7.YEMMIGANUR	132/33	2x50	100.00	24-05-1996
227	8.PATHIKONDA	132/33	2 x 31.5	63.00	30-12-1998
228	9. GUDUR	132/33	2 x 31.5	63.00	22-03-2004
229	10.AKKIREDDYPALLI	132/33	1X31.5+1X16	47.50	29-11-2005
230	11.BANAGANAPALLI	132/33	2 x 16+1x31.5	63.50	31-03-2006
231	12.NANDIKOTKUR	132/33	2 x 31.5	63.00	26-12-2008
232	13.SRISAILAM	132/33	2X16	32.00	30-10-2009
233	14.RACHARLA	132/33	2 x 31.5	63.00	31-3-2010
234	15. MANTRALAYAM (Madhavaram)	132/33	2 x 31.5	63.00	07-08-2017
235	16. MUDIGEDU	132/33	3x16	48.00	29-03-2014
236	17. ALURU	132/33	3x16	48.00	25-01-2016
237	18.RUDRAVARAM	132/33	2x31.5	63.00	18-11-2018
			MVA	17,147.00	
	Humpi	132/66KV	2x40	80.00	01-06-1965,
			Total MVA	17,227.00	

*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)

* 132/66KV Humpi Substation in the premises of Tunga Bhadra Board, Karnataka. The PTR capacity (2x40)-80MVA which is maintained by APTRANSCO

7.1 EHV SUB-STATIONS COMMISSIONED DURING 2022-23

S.No	Name of the Sub-station	District	Capacity No. x MVA	Capacity Commissioned in MVA	Date of charging
A) 400 kV Sub - Stations					
1	400kV SS, Guddigudem	West Godavari	2x315	360	07-01-2023 (400KV Bus-I & Bus-II charged)
B) 220 KV Sub - Stations					
1	Upgradation of existing 132kV SS Piduguralla to 220kV SS Piduguralla	Palnadu	1x160	160	24.02.2023
2	220/132KV Muthyala cheruvu	Ananthpur	1x100	100	27.02.2023
3	Erection of 220/33kV SS Chinturu	East Godavari	1x50	50	01.08.2022
Total				260	
132/33kV Sub-stations					
1	Erection of 132KV SS at Satellite City	Kadapa	2x16	32	30.04.2022
2	Erection of Krishnapatnam Port Switching station	Nellore	-	0	29.05.2022.
3	Erection of 132/33kV SS C.Orampadu	Kadapa	2x16	32	14.10.2022
4	Erection of 132kV SS at T.Sundupalli	Kadapa	2x16	32	14.11.2022
5	Erection of 132/33kV SS Narayanapuram	West Godavari	2x31.5	63	22.12.2022
Total				159	

7.2 33/11 KV SUB-STATIONS COMMISSIONED DURING THE YEAR 2022-23

Sl.No	Discom/ District	Name of the 33/11 KV Sub-Station	Funding Agency	Power Transformer Capacity (in MVA)	Date of Commissioned	
EPDCL						
1	Visakhapatnam	Dr. YSR Cricket Stadium	World Bank	1x16	19.07.2022	
2	West Godavari	Challavarigudem	R&R	1x5	08.07.2022	
3		Cheemalavarigudem	R&R	1x5	29.12.2022	
4	East Godavari	Mallam	T&D	1x5	31.03.2023	
CPDCL						
5	Krishna	Kotha Naguluru	REC	1x5	26.09.2022	
6		Kamineni Nagar	World Bank	1x10	29.10.2022	
7		Kanuru 2	World Bank	1x10	04.11.2022	
8		Penamaluru	World Bank	1x10	16.12.2022	
9		Srinagar Colony	World Bank	1x10	15.12.2022	
10		Cherukumilli	REC	1x5	13.12.2022	
11		Poranki 2	World Bank	1x10	30.11.2022	
12		Kanakadurga Nagar / Maruthi Cooperative colony	World Bank	1x10	23.01.2023	
13		VUDA Colony	World Bank	1x5	12.01.2023	
14		Trendset Meadows / Kedareswarapeta	World Bank	1x10	31.12.2022	
15		Inaguduru	REC	1x5	26.12.2022	
16		Ayyappanagar	World Bank	1x10	09.02.2023	
17		Jangamgudem	REC	1x5	30.01.2023	
18		Container SS, Gollapudi	T&D	1x10	28.01.2023	
19		Puttagunta	REC	1x5	28.03.2023	
20		Mallawalli-1	Capital	1x12.5	10.03.2023	
21		33/11KV AIS SS, TIDCO	T&D	1x10	06.03.2023	
22		Narmada Nagar	REC	1x5	03.03.2023	
23		Guntur	Maruthinagar	World Bank	1x8	02.06.2022
24			Piduguralla (Municipal Dumping Yard)	TIDCO (Outdoor)	2X5	12.09.2022
25			Varagani	REC	1x5	13.02.2023
26			Ankireddypalem	World Bank	1x5	31.03.2023
27	Prakasam	Padarthy	REC	1x5	23.05.2022	
28		Kothuru	REC	1x5	09.01.2023	
29		Gangupalli	REC	1x5	23.01.2023	
30		Ravipriya Mall	REC	1x5	16.02.2023	
31		Chadalawada	REC	1x5	20.03.2023	
32		K.Bitragunta	REC	1x5	31.03.2023	

Sl.No	Discom/ District	Name of the 33/11 KV Sub-Station	Funding Agency	Power Transformer Capacity (in MVA)	Date of Commissioned
SPDCL					
33	Nellore	Saraswathi Nagar	T&D	1x8	17.03.2023 (Technically charged)
34	Tirupati	Prakasham park	World Bank	2x10	15.10.2022
35		Ravendra Nagar	World Bank	1x10	09.03.2023
36		Maruthy Nagar	World Bank	1x10	18.03.2023
37		Kurrakalava	PFC	1X5	18.03.2023
38		33/11KV Rajiv Nagar SS	Normal plan	1x3	44783
39		Bandakindapally	PFC	1X5	25.03.2023
40		Pendlikanam SS	PFC	1X5	25.03.2023
41		Venkata Dasara Pally	PFC	1X5	25.03.2023
42		E.Rami Reddy Gari Pally	PFC	1X5	25.03.2023
43		Kadapa	Badrampalli	REC	1X5
44	Gollalaguduru		REC	1X5	28.12.2022
45	Bojjayapalli		REC	1X5	28.12.2022
46	APIIC Kopparthu		PFC	1X5	28.12.2022
47	Kothacheruvu		PFC	1X5	29.12.2022
48	Siddavaram		PFC	1X5	29.12.2022
49	Bramhanapalli		PFC	1X5	12.01.2023
50	Balayapalli		PFC	1X5	12.01.2023
51	Ananthapur	Ammavaripalli	APIIC	1X5	27.09.2022
52		Gudipalli	APIIC	1X5	27.09.2022
53	Kurnool	Sunnipeta	PFC	1X5	29.08.2022
54		Pothidoddi	9 Hours	1X5	09.05.2022

No.of 33/11KV Sub-stations commissioned during 2022-23 upto 31-03-2023 : 54 Nos.

7.3 (A) 132 kV, 30 MVAR CAPACITOR BANKS / COMMISSIONED DURING 2022-23

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

7.3 (B) 33 kV CAPACITOR BANKS COMMISSIONED DURING 2022-23

SI.No.	Name of the Substation(District)	Capacity in MVAR	Make	Date of Commissioning
1	132kV G. Chodavaram (Vizianagaram Dt.)	7.2	SHREEM	16.07.2022 (New Capacitor Bank)
2	132KV SS, Yernagudem	7.2	ABB Make, Capacitor Bank Cells 36No.s (200KVAR) of SHREEM Make	26.07.2022.
3	132KV SS Madhavaram	7.2	SHREEM	12.11.2022
4	132KV SS Tadepalli (Guntur)	7.2	SHREEM	09.12.2022
	Total	28.8		

**7.3 -(C) 33KV SHUNT CAPACITOR BANKS COMMISSIONED
YEAR WISE 1984-85 to 2022-23**

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
39	2022-23	3	28.8

* Residual AP

7.4 AUGMENTATION OF TRANSFORMER CAPACITY DURING 2022-23						
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	400KV SS Manubolu	Nellore	3x 315 MVA	3 x 315 MVA + 1x500 MVA	500	500 MV APTR Charged on 24.03.2023
AUGMENTATION OF TRANSFORMER CAPACITY AT 220 KV SUB-STATIONS						
1	220KV SS Ammavaripalli	Ananthapuram	1x50	2x50	50	10.05.2022.
2	220/132/33 KV SS APCarbides	Kurnool	360	420	60	28.07.2022
3	220KV SS Nunna	Krishna	1x50+2x31.5	2x50+1x31.5	18.5	44938
4	220KV SS Kodur	Kadapa	31.5	50	18.5	13.02.2023
5	220KV SS Gunadala	Krishna	1x160+2x100	2x160+1x100	60	02.03.2023
TOTAL					207.0	
AUGMENTATION OF TRANSFORMER CAPACITY AT 132 KV SUB-STATIONS						
1	132/33kv SS Ankireddypalli	Kurnool	2x16	1x31.5+1x16	15.5	27.04.2022
2	132/33kv SS Rapur	Nellore	2x16	3x16	16	02.06.2022
3	132kv Narasapuram	Krishna	1x10/16+1x31.5	2x31.5	15.5	18.07.2022
4	132/33kv SS Autonagar	Krishna	2x50	1x80+1x50	30	12.09.2022
5	132/33kv SS Guntur	Guntur	2x50+1x80	1x50+2x80	30	14.11.2022
6	132/33kv SS Tangeda	Guntur	2x16	3x16	16	17.11.2022
7	132/33kv SS Bhimavaram	West Godavari	3x50	1x80+2x50	30	09.12.2022
8	132/33kv SS Gangoor	Krishna	1X31.5 +1x50	2x50	18.5	11.01.2023
9	132/33KV SS Pathikonda	Kurnool	2X31.5	2X31.5	0	13.01.2023
10	132KV Palasa	Srikakulam	10/16	31.5	15.5	22.02.2023
11	132KV SS Veldurthy	Guntur	2X16	2X16+1X31.5	31.5	23.02.2023
12	132/33 KV SS Santhipuram	Chittoor	1x80+1x50	2x80	30	25.02.2023
13	132/33kv Silk Road Sugars Substation	Srikakulam	2X25 MVA	1X25 +1X31.5 MVA	6.5	27.02.2023
14	132kv SS Nallajerla	West Godavari	2x50 MVA	1x80 + 1x50 MVA	30	10.03.2023
15	132/33kv SS at Taticherla in Anantapuramu district	Ananthapuram	2x31.5	1x31.5+1x50	18.5	29.03.2023
TOTAL					303.5	

7.5 SUBSTATIONS (DISTRICT WISE) AS ON 31-03-2023

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	104	116
2.	Vizianagaram	1	3	10	110	124
3.	Visakhapatnam	1	9	18	224	252
4.	East Godavari	1	8	16	221	246
5.	West Godavari	2	7	17	279	305
Total for EPDCL		5	29	71	938	1043
APCPDCL						
6.	Krishna	0	7	14	287	308
7.	Guntur	1	6	19	299	325
8.	Prakasam	1	5	18	313	337
Total for CPDCL		2	18	51	899	970
APSPDCL						
9.	Nellore	1	5	21	271	298
10.	Chittoor	3	8	30	414	455
11.	Kadapa	1	12	24	312	349
12.	Anantapur	3	21	22	261	307
13.	Kurnool	2	13	18	245	278
Total for SPDCL		10	59	115	1503	1687
Total for Andhra Pradesh		17	106	237	3340	3700

7.6 EHV TRANSMISSION LINES COMPLETED/COMMISSIONED DURING 2022-23

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					
1	LILO of 400KV HNPCL- Kamavarapukota TMDC line to proposed 400/220/11KV G	2	3.393	6.786	07.01.2023
Sub Total				6.786	
B) 220 kV Lines					
2	Erection of 220kV LILO line from 220kV chintur -Lower Sileru SC line in East godavari district	1	0.4	0.4	01.08.2022
3	Diversion of 220KV Nannur - Somayajulapalli DC line from Loc.No.37 to Loc.No.50 in that Loc.No.39 to 49 passing through DRDO site in Kurnool district	2	4.079	8.158	31.10.2022
4	Erection of 220kV LILO line from 220kV chintur -Lower Sileru SC line in East godavari district	1	0.4	0.4	30.11.2022
5	LILO of 220kV VTS-TallapalinCkt 3&4 to the proposed 220kV SS Piduguralla in Guntur Dist.	4	1.159	4.636	06.01.2023
6	220 KV DC Line from 220 KV SS Pulivendula to 220 KV SS Mutyalacheruvu	2	54.525	109.05	07.01.2023
7	220 KV Parawada DC line by making LILO of 220 KV VSS-Kakinada	2	1.103	2.206	26.03.2023
Sub Total				124.85	
C) 132 kV Lines					
8	Erection of 132kV UG copper cable DC line from 220/132/33kV SS ongole to 132/33kV SS Ongole in Prakasam district	2 No	2.138	4.276	Idle charged on 06.04.2022 loaded on 07.04.2022.
9	132kV DC Linre from 220kV SS Chinnakampalli to 132/33kV SS Satellite city	2 No	29.517	59.034	Charged on 30.04.2022
10	Stringing of 2nd circuit on 132kV SS Martur-132kV SS Yadavalli DC/SC line in Guntur district	1No	16.864	16.864	25.05.2022
11	Erection of 132kV DC/SC line from 132kV SS Naidupeta to Aman Try in SPSR Nellore district. (DC Work)	1No	6.308	6.308	28.05.2000
12	Erection of 132 KV DC/SC line from the proposed 132 KV Pooling Station to the existing 132/33 KV Substation Noonegundlapalle for evacuation of 50MW Solar Power in Chittoor district	1No	11.244	11.244	10.06.2022
13	Stringing of 2nd ckt on existing 132 KV DC/SC line from 220/132 KV SS Gudivada to 132/33 KV SS Chigurukota in Krishna District	1No	19.7	19.7	10.06.2022
14	132 KV Single Circuit line from 132 KV SS Chinna Orampadu to 220 KV SS Rajampeta in Kadapa district	1No	24.787	24.787	14.10.2022
15	Diversion of existing 132 KV AP Carbides- Cement Nagar between Loc.No.74 to Loc.No.102 in that Loc.No.91 to 98 passing through DRDO site in Kurnool district	1No	4.545	4.545	31.10.2022
16	Stringing of 2nd circuit on existing 132KV Gudur-Chendodu in Nellore district	1No	27.3	27.3	09.11.2022
17	Stringing of 2nd circuit on existing 132KV Podili - Darsi feeder in Prakasam district	1No	2.46	2.46	Charged on 10.11.2022(From Podili end) (Total line length is 30km, 27.54km was already charged on 26.02.2022 from Darsi end)

7.6 EHV TRANSMISSION LINES COMPLETED/COMMISSIONED DURING 2022-23

Sl. No.	Name of the line	No. of Circuits	Route Length in KM	Length circuit in CKM	Date of completion/ Commissioning
18	Stringing of 2nd circuit on existing 132KV Podili - Lingasamudram feeder in Prakasam district	1	4.62	4.62	Charged on 11.11.2022(From Podili end) (Total line length is 57km, 52.38km was already shown in Charging details of 2021-22 on 25.02.2022)
19	132 KV DC line from 132 KV Substation Rayachoty to 132/33 KV T.Sundupalli substation	2	27.604	55.208	14.11.2022
20	Erection of 132kV line by making LILO of 132kV Bhimadole -P.T. Palli CKT-II to 132/33kV SS Narayanapuram in West Godavari district.	2	3.56	7.12	22.12.2022
21	132KV Pulivendula(220KVSS Pulivendula SS) to 132KV Kadiri line - 2nd circuit	1	30.36	30.36	14.02.2023 2.52km(30.36 KM new line & 12.16KM old line)
22	132kV Nuzivedu - Tiruvuru Line	1	49	49	15.02.2023
23	132kV Tiruvuru- Khambhampadu Ckt-I Line	1	7.5	7.5	15.02.2023
24	Diversion of 132 KV Renigunta-Chittoor (now connected to Tirupati) SC line by laying of 2 KM of 132 SC UG cable, dismantling of existing line from Loc.No.207 to Loc.No.212 and Erection of 1No S+0 Inline Tower between Loc.207-208, 1No S+6 Inline Tower between Loc.212-213, 1No S+0 Tower and 2 Nos CTT Towers in Tirupati District for expansion of Tirupati Airport to International Airport	1	0.206	0.206	26.02.223
25	132KV DC/SC line from 132KV Naval Wharf SS to 132KV Malkapuram SS	1	3.036	3.036	31.03.2023
Sub Total				333.568	

7.7 Inter-State and Inter-Regional Tie Line flows - Line wise in MU, Maximum Demand in MW (both Import & Exports) during 2022-23

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	401.495	486.423	-84.93	296MW during Mar - 23	-	4558:13:00
2	Kalapaka - Khammam	Andhra Pradesh	Telangana	213.71	220.85	-7.14	352MW During Jan 23	78 MW during May-22	6187:17:00
3	400 KV Sattenapalli-Srisailam-1	Andhra Pradesh	Telangana	213.76	457.46	-243.7	256MW During Jan- 23	303 MW during Oct-23	1399:52:00
4	400 KV Sattenapalli-Srisailam-2	Andhra Pradesh	Telangana	224.46	476.1	-251.64	249MW During March 23	283MW During Aug 22	656:45:00
5	400KV Srisailam-Narnoor	Andhra Pradesh	Telangana	586.28	584.14	2.14	596MW During July 22	367MW During Oct 22	33:48:00
6	400 KV Chittoor - Madras	APTRANSCO/AP	PGCIL/TN	1917.8	1899.2	18.63	500 MW During Aug 22	50MW During Dec 22	14:15:00
7	400 KV Chittoor - Thiruvalam-I	APTRANSCO/AP	PGCIL/TN	398.4068	397.508	0.8988	380MW During Dec 22	830 MW During Sep-22	8:12:00
8	400 KV Chittoor - Thiruvalam-II	APTRANSCO/AP	PGCIL/TN	535.8183	535.5315	0.2868	580MW During Aug 22	690 MW During Sep-22	12:03:00
9	400 KV Kalpaka-PGCIL(Gajuwaka)-1	APTRANSCO/AP	PGCIL	1230.734	1228.197	2.537	654 MW during Aug 2022	-	59:07:00
10	400 KV Kalpaka-PGCIL(Gajuwaka)-2	APTRANSCO/AP	PGCIL	1181.487	1180.428	1.059	627 MW during Aug 2022	-	60:41:00
11	400KV Uravakonda-Veltoor-I	Andhra Pradesh	Telangana	772.36	29.388	742.972	598MW During Aug 22	70 MW During Mar-22	00:00:00
12	400KV Uravakonda-Veltoor-II	Andhra Pradesh	Telangana	315.016	4.764	310.252	529MW During July 22	70 MW During Mar-22	00:00:00
13	400KV Sattenapalli - CH.Peta - I	APTRANSCO	PGCIL	0.81	1805.69	-1804.88	-	491MW During Jan 23	0:00:00
14	400KV Sattenapalli - CH.Peta - II	APTRANSCO	PGCIL	0.80	1789.75	-1788.95	-	491MW During Jan 23	55:31:00
15	400 KV Narnoor - Maheswaram	APTRANSCO/AP	PGCIL/TN	632.92	645.84	-12.92	492 MW During Aug 22	300MW During Feb 22	491:19:00
16	400 KV Narnoor- Gooty	APTRANSCO/AP	PGCIL/AP	836.24	831.02	5.22	426 MW During Dec 22	326 MW During Sept 23	15:50:00
17	400 KV Narnoor - Orvakal-1	APTRANSCO/AP	PGCIL/AP	688.21	689.06	-0.85	478 MW During Oct 22	525MW During Mar 22	0:00:00
18	400 KV Narnoor - Orvakal-2	APTRANSCO/AP	PGCIL/AP	691.06	693.06	-2.00	481MW During Oct 22	524MW During Mar 22	0:00:00
19	400 KV Manubolu - Manubolu (PG)-1	APTRANSCO	PGCIL	760.98	32.40	728.59	297 MW During March 22	-	8:13:00
20	400 KV Manubolu - Manubolu (PG)-2	APTRANSCO	PGCIL	760.98	32.40	728.59	307 MW During Oct 22	-	22:44:00
21	400 kV Manubolu - Nunna	APTRANSCO	PGCIL	709.1	28.4	680.74	-	296 MW During July 22	56:49:00
22	400 KV Hindupur - NP Kunta - 1	Andhra Pradesh	Andhra Pradesh	413.8	191.8	221.92	416 MW During June 22	-235 MW During Jan 22	2:54:00

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	
23	400 KV Hindupur - NP Kunta - 2	Andhra Pradesh	Andhra Pradesh	345.38	177.03	168.35	300 MW During July 22	-210 MW During Feb 22	1:12:00
24	400KV K.V. Kota Suryapeta - I	Andhra Pradesh	Telangana	329.74	199.09	130.65	324 MW During March 23	287 MW During June 22	2391:00:00
25	400KV K.V. Kota Suryapeta - II	Andhra Pradesh	Telangana	96.44	26.31	70.13	306 MW During Dec 22	162 MW During Oct 22	7002:42:00
26	400KV Kadapa (PGCIL) - Chittoor	Andhra Pradesh	Andhra Pradesh	2261.08	2240.50	20.578	230 MW During Feb 22	680 MW During June 22	167:26:00
27	Vemagiri - Surampalam -(PGCIL-1)	Andhra Pradesh	PGCIL	2609.74	2605.49	4.25	500 MW During May 22	-	14:15:00
28	Vemagiri-Surampalam-(PGCIL-2)	Andhra Pradesh	PGCIL	2580.85	2575.58	5.27	491 MW During May 22	-	16:02:00
29	Maradam-Srikakulam-1(PGCIL-1)	Andhra Pradesh	PGCIL	0.00	2644.60	-2644.604	-	585 MW During Dec 22	9:49:00
30	Maradam-Srikakulam-2(PGCIL-2)	Andhra Pradesh	PGCIL	0.00	2639.62	-2639.621	-	585 MW During Dec 22	6:00:00
220KV Lines									
1	220KV Ragulapadu - Allipura	KARNATAKA	Andhra Pradesh	30.97	133.52	-102.55	93 MW during Apr 22	100 MW Feb 22	406:55:00
2	220 KV Chittoor -Tiruvalam	Andhra Pradesh	Tamila Nadu	679.721	0.256	679.465	204 MW During June 22	-	1801:11:00
3	220 KV B. Kotkur - Wanaparthy Line	Andhra Pradesh	Telangana	228.352	25.034	203.318	124MW During Jan 22	112 MW During Feb 22	949:44:00
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	303.50	39.08	264.41	147 MW During Aug 22	59 MW During June 22	249:18:00
6	220KV Srisailam - Nagarjuna sagar Feeder	Andhra Pradesh	Telangana	58.97	173.52	-114.55	129 MW During July 22	123 MW During Feb 22	35:38:00
7	220 KV Nunna- KTPS	Andhra Pradesh	Telangana	6.13	496.18	-490.045	**	147 MW During May 22	69:49:00
8	# 220 KV Chillakallu-Suryapet	Andhra Pradesh	Telangana	54.11	182.08	-127.962	103 MW During Nov 22	140 MW During June 22	1107:11:00
9	# 220 KV Chillakallu-Narketpalli(Pulichintala)	Andhra Pradesh	Telangana	391.96	1.61	390.35	136 MW During Feb 22	40 MW During June 22	23:43:00
10	220 KV Tallapalli-NSR-I FEEDER	Andhra Pradesh	Telangana	364.08	496.85	-132.78	260 MW During Jan 22	316 MW During Aug 22	24:26:00
11	220 KV Tallapalli-NSR-II FEEDER	Andhra Pradesh	Telangana	335.15	274.39	60.75	260 MW During Jan 22	316 MW During Aug 22	40:10:00
12	220 KV Tallapalli-NSR-III FEEDER	Andhra Pradesh	Telangana	246.78	215.67	31.12	144MW During Jan 23	132 MW During Sep 22	64:20:00
13	220KV Tallapalli - Chalakurthy feeder	Andhra Pradesh	Telangana	236.72	0.00	236.72	181MW During Feb 23	100 MW During Dec 22	13:55:00
14	220KV Sullurpeta-Gummidipudi	Andhra Pradesh (APTRANSCO)	Tamila Nadu	215.56	3.33	212.23	195 MW During June 22	40 MW During Sept 21	50:02:00
15	220KV Lower Sileru-Asupaka	Andhra Pradesh	Telangana	361.99	23.53	338.47	169 MW During Aug 23	**	177:29:00
16	220KV Lower Sileru-KTPS-II	Andhra Pradesh	Telangana	163.97	45.28	118.69	181 MW During June 22	**	22:01:00

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	
17	220KV Nunna-PGCIL-1 Feeder	Andhra Pradesh	Telangana	0.00	783.01	-783.01	**	150 MW During Mar 22	67:50:00
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	1264.57	-1264.57	**	242 MW During Mar 23	18:15:00
20	220KV VSS-PGCIL - I	Andhra Pradesh	PGCIL	0.00	1647.73	-1647.73	**	270 MW During May 22	6:48:00
21	220KV VSS-PGCIL - II	Andhra Pradesh	PGCIL	0.00	1524.89	-1524.89	**	250 MW During May 22	13:29:00
22	220 KV Lower Sileru -Asupka	Andhra Pradesh	PGCIL	0	2387.5194	-2387.52	**	395 MW During May 22	0:00:00
132 KV Lines									
1	132 KV Tangeda-Wadapalli	Andhra Pradesh	Telangana	16.488	52.836	-36.348	65 MW During Mar 23	48 MW During June 22	4585:34:00
2	132 KV Piduguralla-Wadapalli	Andhra Pradesh	Telangana	0.014	0.076	-0.062	**	**	8760:00:00
3	132 kv Chillakallu-Madhira	Andhra Pradesh	Telangana	122.14	0	122.14	36 MW During Feb 23	**	39:33:00
4	132 kv Chillakallu-Khammam	Andhra Pradesh	Telangana	0.02	6.20	-6.19	**	42 MW During Nov 22	8552:29:00
5	132 kv Chillakallu-Kusumanchi	Andhra Pradesh	Telangana	11.77546	38.80872	-27.03	66MW During Dec 22	36 MW During Feb 22	2721:27:00
6	132 kv Chillakallu-Seethapuram	Andhra Pradesh	Telangana	94.23	5.94	88.28	93 MW During Feb 23	26MW During Apr 22	5:02:00
7	132 kv Chillakallu-Ramapuram	Andhra Pradesh	Telangana	95.64	0.62	95.02	68 MW During Sept 22	10 MW During Sept 22	28:35:00
8	132 kv Chillakallu-Bonakallu Railway-I	Andhra Pradesh	Telangana	30.86	0.00	30.86	14MW During Aug 22	**	25:00:00
9	132 kv Chillakallu-Bonakallu Railway-II	Andhra Pradesh	Telangana	30.59	0.00	30.59	14MW During Mar 23	**	66:42:00
10	132 kv Chillakallu-Kodad	Andhra Pradesh	Telangana	107.71	8.18	99.53	80MW During July 22	30 MW During Oct 22	795:46:00
11	132KV AP Carbides-Alampur -I	Andhra Pradesh	Telangana	**	**	**	**	**	8760:00:00
12	132KV AP Carbides-Alampur -II	Andhra Pradesh	Telangana	**	**	**	**	**	8760:00:00
13	132 KV K.Kota - Aswarao Peta-I	Andhra Pradesh	Telangana	3.81	26.24	-22.43	51 MW During Feb 23	107 MW During Feb 22	8139:15:00
14	132 KV K.Kota - Aswarao Peta-II	Andhra Pradesh	Telangana	0.321	26.984	-26.66	11 MW During July 22	69 MW During July 22	1.536111111
15	132KV Pratap Nagar-Yanam	Andhra Pradesh	Puducherry	58.49	0.00	58.49	12.9MW During June 22	**	1:51:00
16	132KV Guntakal - Hampi	Andhra Pradesh	Karnataka	0.66	170.30	-169.64	**	51 MW During Aug 22	44:06:00

* 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														Units in MU
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 (MU)

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
2022-23	4216.76	24643.48	28860.24	12950.83	350.70	1730.81	15298.58	16492.53	43605.24	72465.48

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

Units in MU

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	6739.06	9.76
2022-23	72496.51	68328.79	2.61	63824.86	2321.67	11.45	65688.80	6807.71	9.39

7.8 (C) ENRGY BALANCE SHEET 2022-23		Units in MU
S.No	Particulars	2022-23 (From Apr-22 to Mar -23)
1	Input from State Generators including wheeling	45250.93
2 CGS (Ex-Bus)		25863.53
3	System Input at 132 kv & above including Wheeled Energy (1+2)	71114.46
4(a)	Energy delivered by Transco to Discoms through 33KV or 11KV points from EHT SS including Wheeled Energy	53481.08
4(b)	Energy delivered by Transco to Discoms at 132KV and above feeder points including Wheeled Energy	14873.38
4 (c)	Aux. Consumption	25.67
4d	Energy delivered by Transco to Discoms Including Wheeled Energy (4a + 4b - 4c)	68328.79
5	Transmission Losses (Incl.Wheeling) (3-(4a+4b-4c)) inclusive of PGCIL losses (SR Losses)	2785.67
6	% Transmission Losses (Incl wheeling) on respective Inputs{(5/3*100)} inclusive of PGCIL losses	3.92
6a	% Transmission Losses (Incl wheeling) on respective Inputs{(5-11)/(3-11)*100)} exclusive of PGCIL losses	2.61
7 (a)	Net wheeled Energy at 132 KV & above by Third Party Developers	108.46
7(b)	132KV Open Access sales	662.57
8	Energy delivered by Transco to Discoms Excluding Wheeled Energy at 132 KV & above ((4a+4b-4c) - (7a+7b))	67557.76
9a	Drawls at 33 KV & 11 KV from TP developers	2291.36
9b	Energy received (+)/sent out (-) at interface points of other circles (MU)	30.31
10	Drawls at 33 KV & 11 KV from Genco	11.45
11	External losses (PGCIL/SR losses)	951.08
12	Input to Discoms (Incl Wheeling Energy)(8+9a+9b+10)	69890.88
13	Discoms sales of Energy (Excl Wheeling)	63824.86
14a	Net Wheeled Energy at 33 KV & Below by Third Party consumers + 75% Wheeling charge for 3rd party sale at 33 KV and below	39.35
14b	33 kv open access sales	987.05
14c	11 kv open access sales	66.51
15	Discoms sales of Energy (Incl. Wheeling) (13 + 14a+14b+14c)	64917.77
16	Distribution Losses (Incl. wheeling) (12-15)	4973.11
17	% Distribution losses (Incl.Wheeling) on respective inputs { (16/12)*100 }	7.12
18	T & D Input (Ex-Bus Availability) (3+9a+9b+10)	73447.58
19	T & D Sales (Incl.Wheeling) by Discoms (15+7a+7b)	65688.80
20	T & D Losses (Incl. Wheeling) (18-19)	7758.78
21	%T & D losses (Incl.wheeling) &(Incl SR Losses) (20/18*100)	10.56
22	T & D Losses (Incl. Wheeling) & (Excl. SR Losses) (20-11)	6807.70
23	T & D Input (Ex-Bus Availability) (Excl. SR Losses) (18-11)	72496.50
24	%T & D losses (Incl.wheeling) (Excluding SR Losses)((22/23)*100)	9.39
% PGCIL losses due to Central Generating Stations		3.77

Per Capita Electricity Consumption of Andhra Pradesh and All India		
Units In kWh		
Financial Year	Andhra Pradesh	All India
2014-15	1040	1010
2015-16	1230	1075
2016-17	1319	1122
2017-18	1388	1149
2018-19	1480	1181
2019-20	1507	1208
2020-21	1434	1161
2021-22	1567	1255
2022-23	1634	1331

Note: Per Capita Electricity Consumption of AP Calculated as per CEA Methodology, approved in the e-office file No.2429428 at Note # 9 on dt 11-07-2024 by CMD, AP Transco

7.9 CATEGORY-WISE SERVICES AS ON 31.3.2023

(Including RESCOs)

(Figure in Nos)

S.No.	DISTRICT	L.T.CATEGORY						H.T.	TOTAL
		I	II	III	IV	V	Total LT		
		Dom	Comml	Ind	Instl	Agl			
1	SRIKAKULAM	785651	75729	2790	21971	32200	918341	480	918821
2	VIZIANAGARAM	671582	68821	2753	15293	52561	811010	356	811366
3	VISAKHAPATNAM	1491412	168188	4708	30417	48930	1743655	1678	1745333
4	EAST GODAVARI	1622899	188616	6334	37136	53426	1908411	1243	1909654
5	WEST GODAVARI	1252588	152692	4550	29587	107581	1546998	927	1547925
TOTAL APEPDCL		5824132	654046	21135	134404	294698	6928415	4684	6933099
6	KRISHNA	1467029	184509	7105	27210	133879	1819732	1658	1821390
7	GUNTUR	1582340	180037	6538	27529	127203	1923647	1737	1925384
8	PRAKASAM	992339	98175	5756	18926	205232	1320428	1149	1321577
TOTAL APCPDCL		4041708	462721	19399	73665	466314	5063807	4544	5068351
9	NELLORE	1163135	126422	8686	29982	248054	1576279	1115	1577394
10	CHITTOOR	1375785	161979	21198	46742	349488	1955192	1892	1957084
11	KADAPA	941715	103100	7498	30630	181666	1264609	829	1265438
12	ANANTAPUR	1224150	142584	11078	25652	343973	1747437	979	1748416
13	KURNOOL	1278193	137920	15467	29944	214746	1676270	1137	1677407
TOTAL APSPDCL		5982978	672005	63927	162950	1337927	8219787	5952	8225739
TOTAL FOR A.P.STATE		15848818	1788772	104461	371019	2098939	20212009	15180	20227189

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	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	248.6	17.11.2016
9	400KV Uravakonda-Veltoor II				
10	400KV K.V. Kota Suryapeta - I	DC	400	178.712	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	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 - Chalukurthy feeder	SC	220	11.00	21.07.2007
17	220KV Chillakallu - Narketpalli Ckt I & II (Pulichinthala)	SC	220	20.68	29.03.1999
18	220 KV Brahmnapotkur-Wanaparthy line (LIS)	DC	220	18.85	29.10.2010
19	220 KV Srisailam- Dindi Line	DC	220	2	22.06.1985
20	220 KV Srisailam - Domalapenta				12.09.1982
21	220 KV Srisailam-Nagarjuna Sagar	SC	220	11.00	07.02.1989
22	220KV LSR - Asupaka ((Earlier Lower Sileru – KTS ckt - I)	DC	220	120.34	31.03.1967
23	220 KV Lower Sileru -KTS II	DC	220	176.40	31.03.1979
24	220KV Chittoor - Thiruvalam (Tamilnadu)	SC	220	28.71	17.03.2013
25	220KV Sullurpet -Gummadipoondi (Tamilnadu) (Originally Nellore-Ennore)	SC	220	30.74	31.10.2012
26	220KV Ragulapadu-Allipura (Loc.No. 119 to 170) (included Ragulapadu LILO Loc.No. 119/01 to 119/70) (Karnataka)	SC	220	39.16	1963 06-06-2011 (LILO)
27	132KV Nagarjunasagar - RCPH feeder	SC	132	6.00	25.02.1983
28	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
29	132KV Tangeda - Wadapalli DC/SC line	SC	132	27.38	26.08.2010
30	132KV Chillakallu - Kodada SC line	SC	132	11.72	10.06.2004
31	132KV Chillakallu - Vepulasingaram SC line (Ramapuram)	SC	132	15.00	21.10.1982
32	132KV Chillakallu - Sitapuram SC line	SC	132	15.00	06.04.2004
33	132KV Chillakallu - Madhira SC line	SC	132	21.0	27.10.2001
34	132KV Sitapuram - KCP Cements line	SC	132	2.03	10.05.2010
35	132KV Chillakallu - Bonakallu Railway Traction I (DC) feeder	DC	132	37	20.01.1987
36	132KV Chillakallu - Bonakallu Railway Traction II (DC) feeder				
37	132 KV A.P.Carbides - Alampur I	DC	132	14.27	31.02.2000
38	132 KV A.P.Carbides - Alampur II	DC	132	14.27	30.01.2000
39	132KV K.Kota - Aswaraopet I	DC	132	62.1	09.06.1982
40	132KV K.Kota - Aswaraopet II	DC	132		
41	132 KV Pratapnagar(Kakinada)-Yanam(pondichery)	SC	132	30.30	21.11.2013
42	132KV Guntakal- Humpi	SC	132	97.21	19-07-1988.
43	132KV Chillakallu-Peddagopathi-1 (Earlier Chilakallu - Kusumanchi)	DC	132	63.40	23.12.2022
44	132KV Chillakallu-Peddagopathi-2 (Earlier Chilakallu - Khammam)	DC	132	63.40	23.12.2022

\$ 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)
LOW TENSION											
I.	1.Domestic	3410100	1598	3975147	1789	4428828	2003	4730697	2110	5162662	2303
	2.Non-Domestic	437519	308	467803	321	483829	332	504044	344	531543	363
	3.Industrial	88353	944	95131	1013	107407	1144	114057	1212	121352	1293
	4.Cottage Industries	4456	9	5309	10	6437	12	7569	14	8489	16
	5.Agricultural	834435	2741	951466	3130	1056407	3462	1134519	3760	1211003	4013
	6.Public Lighting	36507	50	41044	53	45157	58	47012	59	48797	62
	7.General Purpose	45110	28	49849	30	55870	33	56817	33	58754	34
Total L.T (I)	4856480	5678	5585749	6346	6183935	7044	6594715	7532	7142600	8084	
HIGH TENSION											
II.	1.Industrial Ordinary Tariff	2284	1430	2382	1516	2628	1672	2724	1733	2880	2086
	2.Industrial (Intensive)	9	127	10	129	10	129	27	348	18	318
	3.Industrial (Alternative)	664	397	704	411	790	461	847	494	802	468
	4.Agricultural	135	30	155	32	157	32	180	37	187	57
	5.Temporary	9	2	12	3	8	2	11	3	7	3
	6.Railway Traction	12	211	17	227	17	227	20	267	21	210
	Total H.T (II)	3113	2197	3280	2318	3610	2523	3809	2882	3915	3142
Grand Total (I+II)	4859593	7875	5589029	8664	6187545	9567	6598524	10414	7146515	11226	

7.11 GROWTH OF CONSUMERS AND CONNECTED LOAD

SL. No.	Category	1992-93		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
LOW TENSION											
I.	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
HIGH TENSION											
II.	1.Industrial Ordinary Tariff	2549	2172	2543	2501	2541	1810	2618	2418	2726	2482
	2.Industrial (Intensive) *	13	368								
	3.Industrial (Alternative)	870	372	929	397	999	209	1062	446	1184	532
	4.Agricultural	236	94	227	100	243	70	258	101	273	99
	5.Temporary	6	0.27	3	0.2	2	2	36	402	37	418
	6.Railway Traction	33	292	34	301	36	281	141	44	155	47
	7.Others **	128	194	139	198	144	177	79	139	185	253
	Total H.T	3835	3492	3875	3497	3965	2549	4194	3550	4560	3831
Grand Total (I+II)		10070990	16421	10583478	17001	11104076	17462	13294194	18343	14073519	20255

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

** Reconciled data.

7.11 GROWTH OF CONSUMERS AND CONNECTED LOAD

.. No	Category	2002-03		2003-04		2004-05		2005-06		2006-07		2007-08		2008-09		2009-10		2010-11		2011-12		2012-13		2013-14	
		Number of Consumers	Connected Load (MW)	Number of Consumers	Connected Load (MW)	Number of Consumers	Connected Load (MW) **	Number of Consumers	Connected Load (MW)	Number of Consumers	Connected Load (MW)	Number of Consumers	Connected Load (MW)	Number of Consumers	Connected Load (MW)	Number of Consumers	Connected Load (MW)	Number of Consumers	Connected Load (MW)	Number of Consumers	Connected Load (MW)	Number of Consumers	Connected Load (MW)	Number of Consumers	Connected Load (MW)
1.	2.	3	4	5	6	5	6	7	8	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	LOW TENSION																								
	1.Domestic	11202343	6306	11956602	7880.38	12586922	8293.69	13220362	8754	14118205	10041	15065510	12182	16104394	12391	17065491	13186	17927353	13922	18781332	14216	19593105	16275	20322094	17171
	2.Non-Domestic	1015974	1087	1148702	1409.66	1209442	1484.34	1268594	1787	1325145	2094	1386983	2898	1454333	2955	1528468	3451	1614817	3808	1711339	3951	1813724	4480	1912364	4538
	3.Industrial	157754	2489	162994	2564.31	169363	2660.91	175069	2986	179978	3145	185480	3411	190395	3551	195267	3811	201064	3917	208903	4870	214829	3694	220032	3666
	4.Cottage Industries	16755	65	17578	79.61	18041	71.44	18649	74	19138	77	19861	80	20373	86	20830	80	21621	85	23085	104	23991	221	24771	289
	5.Agricultural	2257969	8027	2309605	8208.82	2374365	7981.37	2440823	8205	2527800	9367	2599635	9518	2680671	10302	2769275	12080	2909006	12769	3061914	12856	3203871	13309	3344637	13851
	6.Public Lighting	77722	225	97362	541.44	101194	429.91	105855	450	111270	514	115760	811	123254	1042	128368	835	132684	901	138804	1142	147679	963	155211	889
	7.General Purpose	75793	83	78525	95.00	82023	98.91	85232	124	88254	162	90588	188	96671	262	107483	262	134062	309	141523	273	145018	378	147753	392
	8.Temporary	0	0	757	0.24	830	0.25	949	0.28	1019	0	1114	66	1237	2	1351	4	1700	59	2033	8	2223	6	2421	6
	Total L.T	14804310	18282	15772125	20779.45	16542180	21020.81	17315533	22379	18370809	25400	19464931	29154	20671328	30591	21816533	33709	22942307	35770	24068933	37421	25144440	39326	26129283	40802
	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*		2022-23	
		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.	13	14	15	16	17	18	17	18
I.	LOW TENSION								
1	Domestic supply	14904878	14451.38	15293063	15290	15553787	16800.52	15848818	17634.71
2	Commercial	1564086	3547.07	1654122	3785	1708407	4115.37	1788772	6109.37
3	Industrial/Cottage Industrial	94904	2524.33	111066	2433	104179	2503.62	104461	3309.23
4	Institutional	1812376	11187.26	386173	11743	398702	923.52	371019	1967.56
5	Agriculture & related Services	418741	2238.366	1887110	1700	1825479	11444.51	2098939	16826.09
	Total L.T	18794985	33948.406	19331534	34951	19590554	35787.55	20212009	45846.96
II.	HIGH TENSION								
	Total H.T	14321	7395.44	14916	8358.98	14317	8255.19	15180	9908.16
Grand Total (I+II)		18809306	41343.846	19346450	43309.98	19604871	44042.75	20227189	55755.11

* 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	11569.99	11784.328	12236.7	12503	12693.18	12878	13622.57	13917.506	14389	8395
3	132 kV	10922.5	11790.5	12404.28	12784	13021.82	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	30537.05	32284	32710.8	33559.52	34835.29	35950	37205.94	38628	40033	40432	41128	42462.9	43929	24084
6	11kV	166244	169649	165299	178321	186722.9	202281.6	214743.2	224688	234148.05	248670	260406	270167	279894	290219.3	300932	184499
7	L.T Lines in kV	424277	460863	442209	467313	473928.2	486191.3	504820.4	513166	517685.24	527852	532656	542716	551959	559839.94	566392	288769
	Total CKM	640804	683608	662386.5	703675	719838.5	749164.2	782835.5	802718.33	818969.01	845601.55	864064	885088	905826.73	926810.88	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	2629
	Total Nos	1996	2107	2199	2390	2618	2784	2971	3166	3385	3726	4096	4291	4484	4809	5135	2875
6	Distribution Transformers (Nos)	186847	201801	216453	242668	323033	405937	474959	519365	580721	725837	737544	811108	894581	958015	1032863	621171
7	DTRs Transformer Capacity (MVA)	14490	15650	16413.04	17763.3	19976.71	22425.65	24483.84	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)

SI. No	VOLTAGE	At the end of March								
		2015 Residuary AP	2016*	2017	2018	2019	2020	2021	2022	2023
1	400 kV	2400.00	2891.84	3606.79	4561.83	5309.53	5309.53	5436.73	5436.73	5483.21
2	220 kV	8395.00	9954.27	10549.00	11032.84	11432.01	11686.95	11761.53	11871.66	12307.24
3	132 kV	8600.00	9784.47	10091.43	10720.23	11237.69	11435.48	11879.92	12482.48	13875.01
4	33kV*	23479.81	24123.39	24403.90	25119.86	25593.14	26706.37	27653.35	29075	29539.54
5	11kV*	177946.46	186500.69	194641.69	203530.7	212577.96	244285.74	254477.88	274967	290994.64
6	L.T Lines in kV*	264746.64	273831.88	280182.37	287955.7	295716.39	304111.20	307902.56	309233	320972.60

II - SUB - STATIONS (Nos)

SI. No	Voltage (kV)	At the end of March								
		2015	2016	2017	2018	2019	2020	2021	2022	2023
1	400 kV	6	6	10	11	15	15	16	16	17
2	220 kV	71	75	84	87	93	100	100	103	106
3	132 kV	169	180	191	206	212	220	224	232	237
5	33 kV*	2737	2832	2927	2965	3097	3148	3237	3286	3340
	Total Nos	2983	3093	3212	3269	3417	3483	3577	3637	3700
6	Distribution Transformers (Nos)	621171	635055	814078	875547	949799	1020639	1128324	1199722	1269069
7	DTRs Transformer Capacity (MVA)	22256	22976	28227	29672	31862	35856	37214	39049	41990

* 33KV, 11KV , LT lines and 33KV SS data was reconciled with APDISCOMs on 29.05.2024 & approved by CMD, APTRANSCO.

7.13 DISTRIBUTION LINES AND DISTRIBUTION TRANSFORMERS EXISTING AS ON 31-03-2023					
S.No.	District	Lines in Km			(Nos)
		33 kV	11 kV	L.T	DTRs
APEPDCL					
1	Srikakulam	1379.10	8109.42	14902.61	25180
2	Vizianagaram	834.47	7691.16	13441.03	26154
3	Visakhapatnam	1768.70	11955.94	18948.95	50089
4	East Godavari	1575.68	14202.98	18159.80	79339
5	West Godavari	2917.21	20557.34	27060.32	117053
Sub-total		8475.16	62516.83	92512.70	297815
APCPDCL					
6	Krishna	2304.00	22919.00	31038.00	92569
7	Guntur	2352.00	23313.00	25154.00	84351
8	Prakasam	3339.00	37869.00	23747.00	104481
Sub-total		7995.00	84101.00	79939.00	281401
APSPDCL					
9	Nellore	2291.33	17170.69	26243.72	98036
10	Chittoor	3126.11	30308.08	34237.03	156101
11	Kadapa	2105.01	25853.64	24148.49	140816
12	Anantapur	2965.17	44670.43	32263.08	108960
13	Kurnool	2581.75	26373.97	31628.58	185940
Sub-total		13069.38	144376.81	148520.89	689853
Grand Total for A.P(DISCOMs)		29539.54	290994.64	320972.60	1269069

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

7.14 POWER RESTRICTIONS (2016-2023)	
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
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
2022-23	1. Load Shedding in the State during the year 2022-23 in MU : 386.65
	2. R&C measures and Power Holidays to Industries:From 08.04.2022 to 18.05.2023
	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

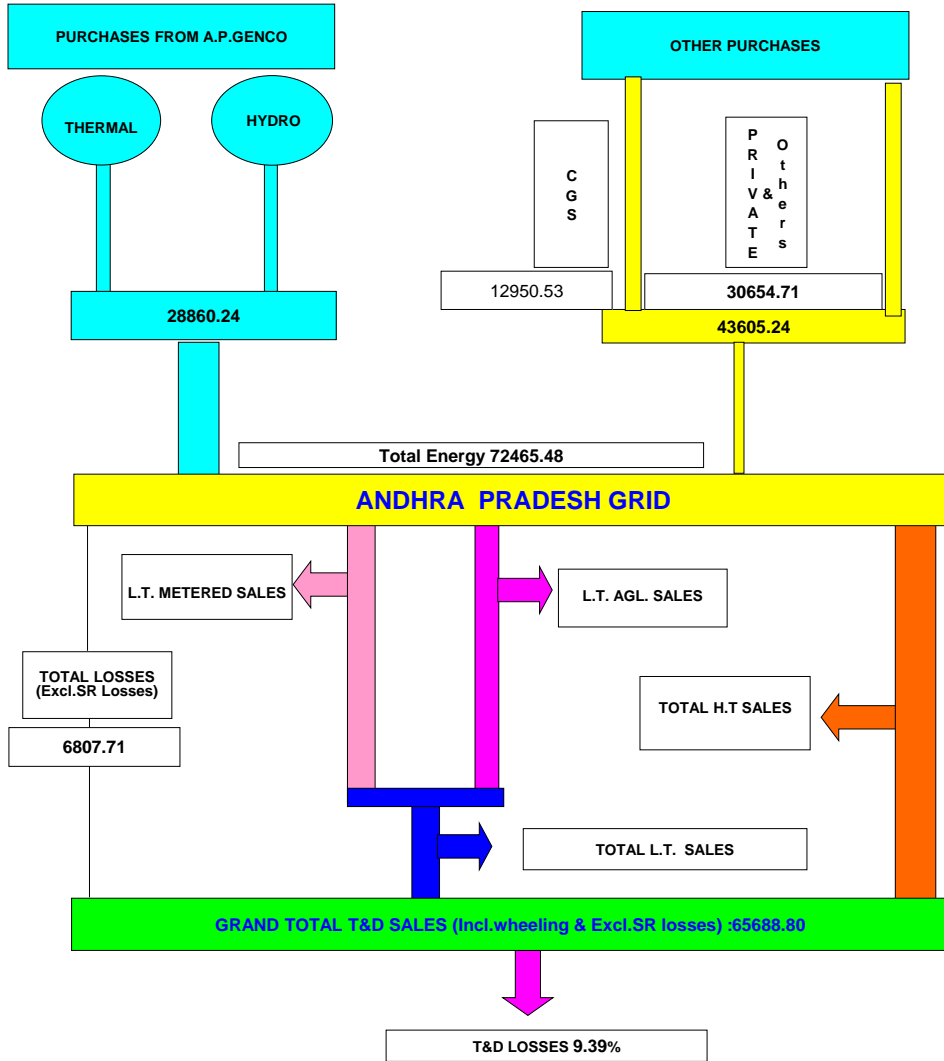
7.15(A) THEFT OF ENERGY CASES IN A.P

DISTRICT WISE STATEMENT OF CASES REPORTED AND COMPOUNDED DURING 2022-23

S.No.	District/ APTS	No.of Cases reported	Assessment amount Collected	No.of Cases compounded	Compounding amount collected
			(In Lakhs)		(in Lakhs)
APEPDCL					
1	Srikakulam	1314	7.63	1305	10.96
2	Vizianagaram	1331	16.70	1348	12.18
3	Visakhapatnam	1207	31.22	1207	11.37
4	East Godavari	1123	399.52	1142	14.31
5	West Godavari	1185	48.56	1195	11.92
	Total	6160	503.63	6197	60.74
APCPDCL					
1	Krishna	1428	149.44	1429	33.53
2	Guntur	2435	217.36	2376	47.61
3	Prakasam	2445	156.17	2433	47.61
	Total	6308	522.97	6238	128.75
APSPDCL					
4	Nellore	2957	193.87	2860	38.06
5	Chittoor	1820	35.83	1736	18.58
6	Kadapa	6893	180.38	6789	63.83
7	Ananatapur	6162	136.50	6183	62.07
8	Kurnool	7725	60.10	7707	53.21
	Total	25557	606.68	25275	235.75
	Grand Total	38025	1633.28	37710	425.24

7.15 (B) THEFT OF ENERGY CASES IN A.P.					
Year	Theft cases registered by APTS (in Nos)	Cases compounded (in Nos)	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
2022-23	38025	37710	0	1633.28	425.22

A.P.TRANSKO ENERGY BALANCE SHEET 2022-23
 (ALL FIGURES IN MU) (Excluding SR Losses)



8. RURAL ELECTRIFICATION

8.1 - RURAL ELECTRIFICATION PROGRESS AS ON 31-03-2023

Sl. No.	Particulars	Total Electrified as on 31-03-2022	Total Electrified as on 31-03-2023	Percentage of electrified
		(Nos.)	(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 31-03-2023
(Figures in Nos)

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 31-03-2023**

(Figures in Nos)

S. No.	DISCOM/DISTRICT	Total Agl. services released as on 31-03-2022**	Agl. services released during 2022-23	Total Agl. services released as on 31-03-2023 **
EPDCL				
1	SRIKAKULAM	29465	2735	32200
2	VIZIANAGARAM	49636	2925	52561
3	VISAKHAPATNAM	47488	1442	48930
4	EAST GODAVARI	51517	1909	53426
5	WEST GODAVARI	105208	2373	107581
TOTAL		283314	11384	294698
CPDCL				
6	KRISHNA	124982	8897	133879
7	GUNTUR	122038	5165	127203
8	PRAKASAM	185498	19734	205232
TOTAL		432518	33796	466314
SPDCL				
9	SPS NELLORE	236978	11076	248054
10	CHITTOOR	333215	16273	349488
11	KADAPA	169547	12119	181666
12	ANANTAPUR	325407	18566	343973
13	KURNOOL	193740	21006	214746
TOTAL		1258887	79040	1337927
STATE TOTAL		1974719	124220	2098939

** Agricultural pump-sets were reconciled from with DISCOMs

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

(in Nos)

(Including R.E.Co-operatives)
(1960 - 2023)

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	1465528
55	2015-16	72360	1537888
56	2016-17	75403	1613291
57	2017-18	63412	1676703
58	2018-19	86430	1763133
59	2019-20	65576	1828709
60	2020-21	74734	1903443
61	2021-22	71276	1974719
62	2022-23	124220	2098939
★	Pumpsets Energised by RESCOs only.		

** Agricultural pump-sets figures were reconciled from FY 2014-15 to 2022-23 on 27.06.2024 with DISCOMs

8.5 YEAR- WISE REC SCHEMES AS ON 31.03.2023

(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	-
54	2022-23	12	3257.13	-	3050.62	--
	T O T A L	7057	46384.73	789.57	27562.17	661.03

8.6 ACCIDENTS

(Figures in Nos)

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
	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) animal	(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	2022-23
1.	DEPARTMENTAL	19	20	21	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43
	A) Fatal	33	52	64	66	71	101	178	343	171	27	18	317	22	13	7	18	17	20	63
	B) Non-Fatal	71	24	34	68	83	88	63	75	65	40	13	87	8	20	22	14	29	39	15
	Total	104	76	98	134	154	189	241	418	236	67	31	404	30	33	29	32	46	59	78
2.	NON-DEPARTMENTAL																			
	A) Fatal	277	177	307	673	887	826	774	554	903	895	391	114	265	598	610	576	673	442	301
	a) animal	(a-90)											(a-212)	(a-200)	(a-312)	(a-347)	(a-323)	(a-192)	(a-265)	(a-222)
	B) Non-Fatal	46	34	40	117	166	195	161	87	123	133	68	12	10	90	126	27	75	76	46
	Total	323	211	347	790	1053	1021	935	641	1026	1028	459	126	275	688	736	603	748	518	347
3.	GRAND TOTAL																			
	A) Fatal	310	229	371	739	958	927	952	897	1074	922	409	431	287	611	617	594	690	462	364
	B) Non-Fatal	117	58	74	185	249	283	224	162	188	173	81	99	18	110	148	41	104	115	61
	Total	427	287	445	924	1207	1210	1176	1059	1262	1095	490	530	305	721	765	635	794	577	425

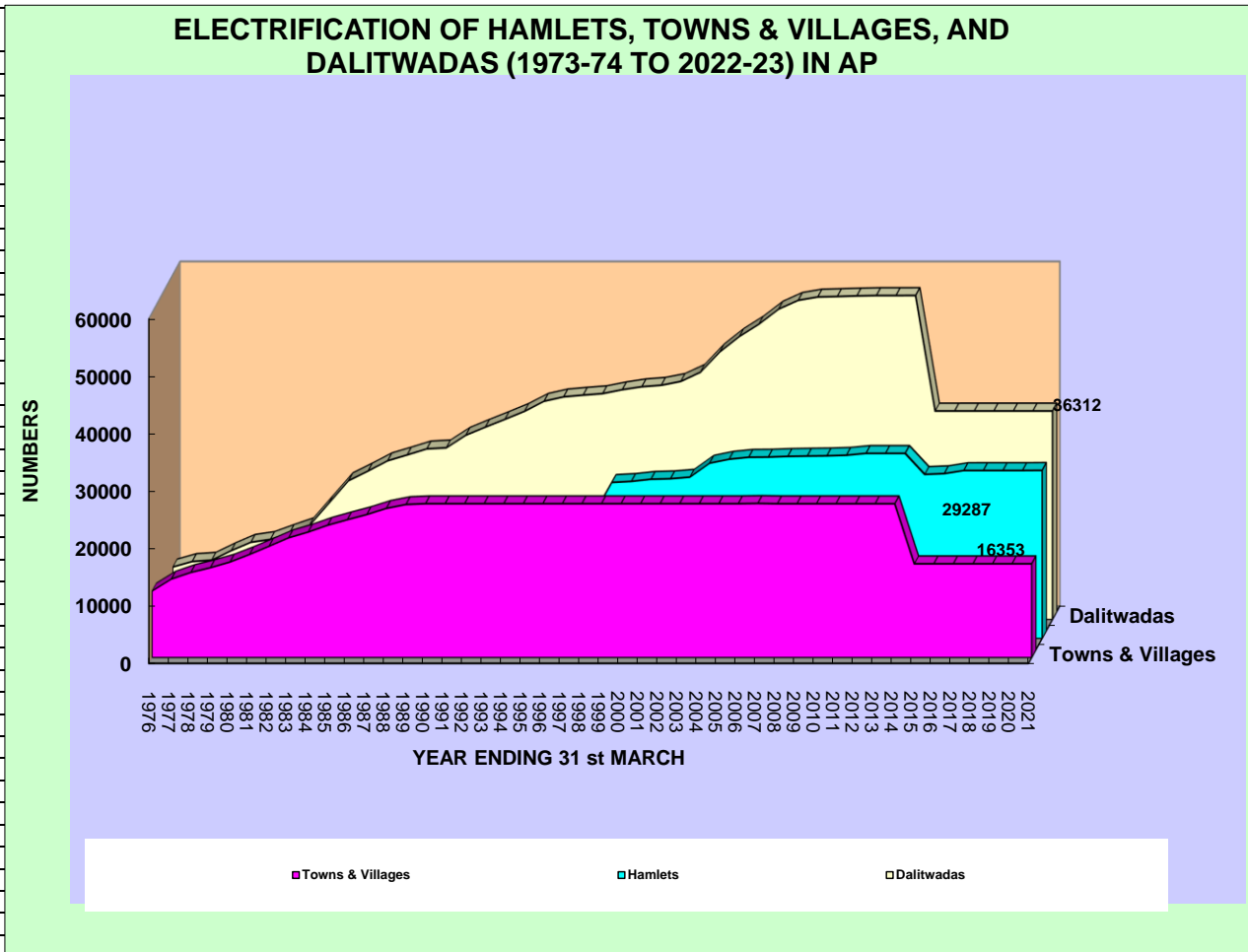
a = Animal

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)

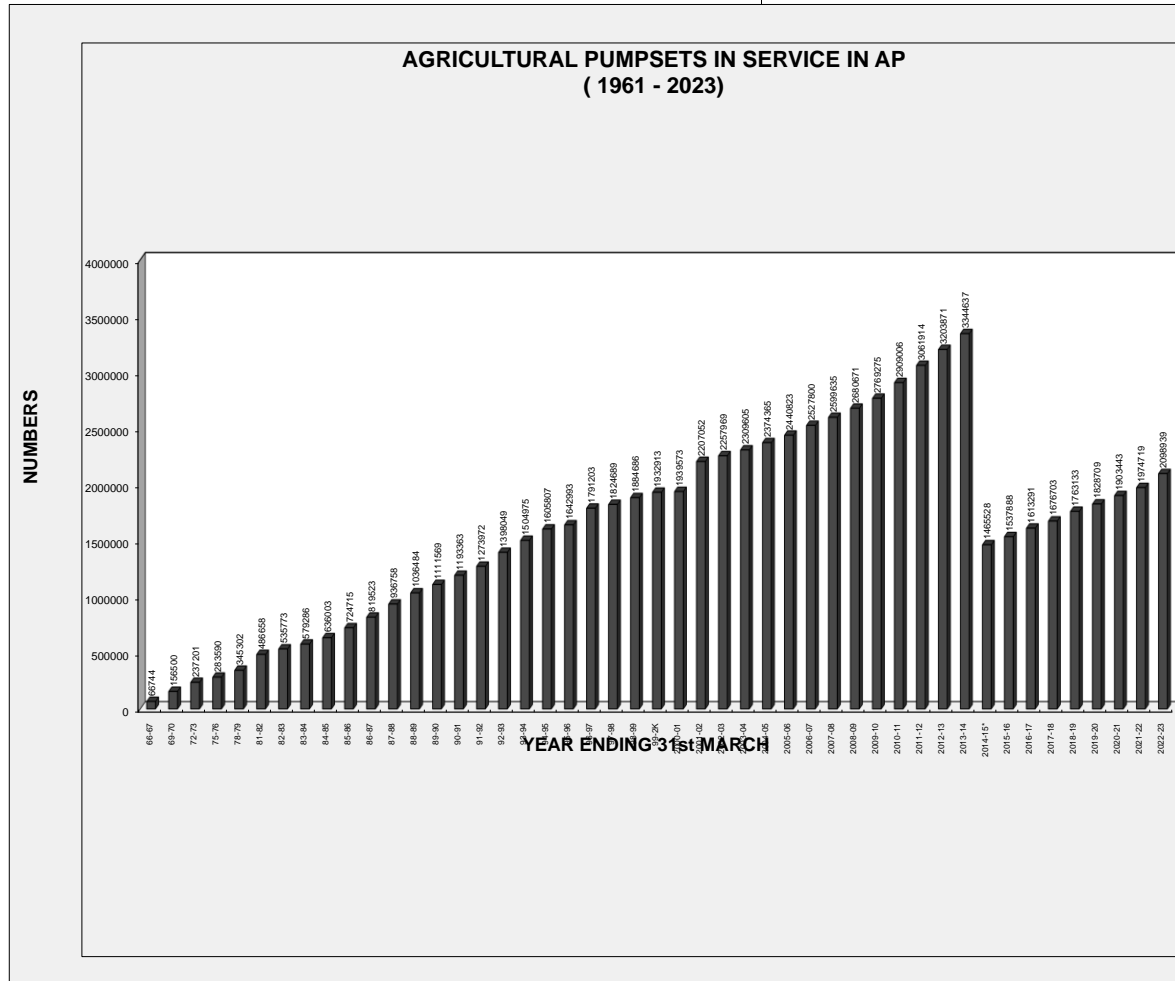
Year	Hamlets	Towns & Villages	Dalitwadadas
1974	5086	10485	8146
1975	5357	10654	8501
1976	5377	11582	9121
1977	5514	13694	10085
1978	5753	14851	10318
1979	6123	15677	11979
1980	6568	16659	13433
1981	7243	17978	13935
1982	7798	19414	15169
1983	8310	20885	16348
1984	8875	21885	20264
1985	9681	23078	24180
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*
2023	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*	1465528
2015-16	1537888
2016-17	1613291
2017-18	1676703
2018-19	1763133
2019-20	1828709
2020-21	1903443
2021-22	1974719
2022-23	2098939

* From 2014-15 data pertains to residual A.P



Note: Agricultural Pumpsets data from 2014 was reconciled with APDISCOMS

9. FINANCE

9.1 PATTERN OF FINANCING

Rs.in Crores

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

* TRANSCO including DISCOMs

@ including short term borrowings.

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

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

9.1 PATTERN OF FINANCING (APTRANSCO)

Rs. Crores

SL.No.	Description	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15
A.	CAPITAL EXPENDITURE	420.14	459.11	362.62	248.01	415.38	358.18	499.46	482.06	555.91	906.92	1092.35	1221.09	1135.57	1372.97	968.70
A1.	DEBT REPAYMENT															
1.	Government (From 2004-05 excl. Swapping)	68.26	329.9	100.12	840.9	6.97	39.66	2.56	1.66	2.1	2.14	4.71	13.13	29.67	38.09	2.14
2.	Open Market	6.88	0	14.03	380		0									
3.	L.I.C	1.6	1.6	1.6	1.6	1.6	1.6	1.6	0.93	0.93						
4.	R.E.Bonds	-	-	-	-	-	0									
5.	REC (incl.SPA & Inventory)	125.15	236.89	414.43	307.13	437.25	137.13	103.51	109.4	111.87	88.95	75.96	77.67	87.19	117.82	51.87
6.	Banks & Others (including Voluntry Loans, Contributions)	206.2	55.9	75.28	146.31	198.74	38.5									
7.	P.F.C	108.14	13.13	77.83	259.93	67.52	49.48	55.01	82.01	130.06	131.26	134.92	132.61	134.39	145.65	84.94
8.	Industrial Development Bank of India	141.07	102.61	72.81	60.62	44.58	9.86	3.26								
9.	others(OsmaniaUniversity & SIDBI)/Banks					8.33	0	22.93	21.68	39.62	79.56	105.06	102.74	122.32	137.75	80.76
	TOTAL CAPITAL OUTGOINGS	1077.44	1199.14	1118.72	2244.5	1180.37	634.41	688.33	697.74	840.49	1208.83	1413.00	1547.24	1509.14	1812.28	1188.41
B	CAPITAL RECEIPTS															
1.	Government Loans	400.67	534.16	355.49	231.44	61.34	8.77	3.17	4.58	0.48	167.6	148.63	148.41	136.55	149.91	0.00
2.	C E A	-	-	-	-	-	0									
3.	Open Market Loan	-	35.38	262.01	380		0									
4.	REC (SPA & Inventory)(@)	109.56	250	426.57	779.36	180.48	67.33	50.3	14.42	14.17	120.61	125.29	241.07	273.94	174.14	511.87
5.	L.I.C	-	-	-	-	-	0									
6.	Banks & Others including Voluntary Loan Repayment	-	-	42	295		0	68.25	78.66	222.93	153.81	270.61	230.52	108.6	152.76	151.05
7.	I.D.B.I.	57.8	19.59				7.15									
8.	P.F.C.(@)	151.56	123.06	378.46	146.39	72.13	224.29	206.74	219.81	122.15	120.76	191.63	308.34	169.92	107.66	35.33
9.	B.H.E.L./SIDBI	-	-	-	-	-	0									
10.	Assistance from Central sponsored Scheme	-	-	-	-	-	0									
11.	Contribution to Depreciation	104.69	157.63	194.86	217.35	223.81	261.72	242.43	266.11	291.78	316.94	357.69	392.53	416.49	462.12	251.22
12.	Reserve (Consumer Contribution of Service Connection) Lines other than Revenue Cap-Appropriated for repayment of Loans	NA	3.92	9.45	8.9	34.17	0									
13.	Contributions ,Grants and Subsidies	-	-	-	-	11.61	13.99	27.08	72.76	129.98	46.26	289.1	363.65	148.2	127.42	1.67
14.	Provident Fund/Pension/Gratuity	8.59	8.75	-6.14	-10.32	3.98	0									
15.	Debts & Deposition (Consumer Deposits)	-	-	-	-	-	0									
16.	Regularisation of Agl.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	2022-23
A.	CAPITAL EXPENDITURE	968.70	2148.45	2300.44	1412.15	1966.89	1387.65	1077.89	853.51	752.78
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	60.25
2	REC Ltd	51.87	75.28	100.31	191.7	363.04	474.13	683.5	702.58	703.38
3	PFC Ltd	84.94	39.65	48.58	47.69	39.99	44.07	166.6	365.84	278.41
4	others./Banks	80.76	76.05	235.04	60.75	323.17	79.6	52.27	69.54	69.38
	TOTAL CAPITAL OUTGOINGS	1188.41	2341.57	2686.80	1714.01	2697.82	1985.45	1995.99	2040.01	1864.20
B	CAPITAL RECEIPTS									
1.	Government Loans	0.00	0.00	0	268.14	119.21	0	0	297.66	68.99
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	789.29
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	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	420.84
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	688.12
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	12.05
14.	Provident Fund/Pension/Gratuity									
15.	Debts & Deposition (Consumer Deposits)									
16.	Regularisation of Agl.pumpsets									
17.	Bank of Maharashtra (for swapping of Govt. loan)									
18.	Internal Resources	237.27	495.74	1072.24	2.37	244.19	162.17	330.52	587.96	(115.09)
	TOTAL	1188.41	2341.57	2686.80	1714.01	2697.82	1985.45	1995.99	2040.00	1864.20

9.2 Abstract Balance Sheet (T+D (EPDCL+SPDCL+CPDCL)) as on 31st March 2023

(Rs. in Crores)

Particulars	Total (T+D)	Particulars	Total (T+D)
<u>LIABILITIES:</u>		<u>ASSETS</u>	
Loans from Government	799.38	Fixed Assets	49226.04
Equity from Government	934.49	Accumulated Depreciation	(22360.83)
Deferred Tax Liability	(257.81)	Works-in-progress	8047.83
Cash Credit, OD & other short term borrowings	12533.91	Other Assets	995.35
Other Grants	9995.09		
Consumer Contribution	3258.53	Investments	
Long term Capital Liabilities		Equity in Joint Ventures	354.54
APSEB Bonds & Vidyut Bonds	0.00	Others	286.04
PTC	6.20	Current Assets	
REC & SPA	20421.77	Stocks	1579.44
PFC	12905.92	Cash and Bank Balances	517.26
Inter Corporate Funds	0.00	Receivable against supply of power	13838.35
NABARD	54.58	Loans and Advances	11376.55
Banks & Others	8873.49	Sundry Receivables	24196.67
Long Term Provisions	7493.84	Deferred Tax Asset	0.00
Other Long term liabilities	5653.94		
Reserves and Reserve Fund			
Reserves	3421.23		
Reserve Funds (PF & Pen.SF)	403.64		
Security Deposit from Consumers	4992.83		
Current Liabilities	23634.19		
Surplus	(27067.86)		
Total Liabilities:	88057.36	Total Assets:	88057.24

9.2 Abstract Balance Sheet (T+D(EPDCL+SPDCL+CPDCL)) as on 31st March 2023

(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	629.25	160.65	9.48		799.38	Fixed Assets	16074.71	8340.33	15509.49	9301.51	49226.04
Equity from Government	454.44	121.23	358.72	0.10	934.49	Accumulated Depreciation	(7295.56)	(2504.73)	(8198.86)	(4361.68)	(22360.83)
Deferred Tax Liability	-260.01	2.20	0.00	0.00	-257.81	Works-in-progress	2792.85	551.80	3067.26	1635.92	8047.83
Cash Credit/OD & other short term borrowings REC	993.73	3394.88	6436.43	1708.88	12533.92	Other Assets	516.67	1.48	461.01	16.19	995.35
Other Grants	1770.66	3881.51	2765.50	1577.42	9995.09	Investments					
Consumer Contribution	697.18	2561.35			3258.53	Equity in Joint ventures and Subsidiaries	1.50	146.75	103.91	102.38	354.54
Long term Capital Liabilities						Others	116.67	85.94	80.64	2.79	286.04
APSEB Bonds & Vidyut Bonds					0.00	Current Assets					
PTC		0.18		6.02	6.20	Stocks	154.20	506.61	506.89	411.74	1579.44
REC	3992.04	2692.23	10053.80	3683.70	20421.77	Other current Assets	741.22	86.39	7489.57	5521.17	13838.35
PFC	763.70	2600.46	7234.12	2307.64	12905.92	Cash and Bank Balances	62.19	153.88	167.29	133.90	517.26
Inter Corporate Funds					0.00	Loans and Advances	1564.26	8758.49	900.95	152.95	11376.65
NABARD	54.58				54.58	Sundry Receivables	2049.72	5567.03	14164.88	2415.04	24196.67
Banks & Others	66.49	2976.70	3184.83	2645.47	8873.49						
Long term provisions	2033.21	898.37	3398.74	1163.52	7493.84						
Other long term liabilities	157.23	318.66	3674.53	1503.52	5653.94						
Reserves and Reserve Fund											
Reserves	266.54	326.81	292.07	2535.81	3421.23						
Reserve Funds (PF & Pen.SF, CR)	252.97	107.24	25.05	18.38	403.64						
Security Deposit from Consumers		2620.09	2372.74		4992.83						
Current Liabilities	2429.54	6269.36	7028.04	7907.24	23634.18						
Surplus	2476.88	(7237.94)	(12581.01)	(9725.79)	(27067.86)						
Total Liabilities:	16778.43	21693.98	34253.04	15331.91	88057.36	Total Assets:	16778.43	21693.97	34253.03	15331.91	88057.34

9.3 REVENUE RECEIPTS & EXPENDITURE

(Rs.in crores)

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

9.3 REVENUE RECEIPTS & EXPENDITURE

(Rs.in crores)

Sl.No.	Details	1999-2K	2K-01	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16
A)	REVENUE RECEIPTS																	
	1.By sale of Power	4535.45	5591.77	5870.13	7396.96	7654.17	9169.99	8875.17	9979.74	11695.67	12838.68	15491.23	19303.29	23575.8	27068.49	29622.66	16915.67	18709.98
	By sale of power-Inter state	6.82	3.59	2.76	130.15	91.57	110.52	721.60	524.11	987.15	835.3	638.73	1053.81	691.47	581.98	1321.25	581.16	564.17
	2.Miscellaneous(including NTI&ED)	414.20	476.57	510.03	1052.18	1722.01	1005.71	1165.28	642.37	664.76	593.76	724.43	859.48	1093.4	1271.19	1157.58	338.28	400.05
	3.Subsidy	3064.42	2935.68	2457.00	1509.38	1513.49	1303.27	1599.48	1956.07	2866.39	7979.56	6709.1	5855.72	8125.64	5531.67	6305.57	3125.2	3186
	4.Transmission and SLDC Charges (Annual fee,Open Access)								9.73	23.64	43.71	37.29	54.08	97.56	138.23	217.83	1089.99	842.6
	5.Other income								478.29	529.63	606.61	613.02	695.52	624.95	768.41	562.46	1493.63	774.65
	6.Capital contribution								356.72	189.74	171.86	294.84	366.65	411.61	487.5	712.91	355.07	397.81
	TOTAL (A)	8021	9008	8840	10089	10981	11589	12362	13947	16957	23069	24509	28189	34620.43	35847.47	39900.26	23899.00	24875.26
B)	REVENUE EXPENDITURE																	
	1.Power Purchase	6201.87	7258.47	7497.26	7579.51	8415.87	8858.54	9122.82	10663.78	12575.8	18306.16	19415.85	21519.06	26821.14	32449.21	32939.23	19045.71	21745.39
	2.O&M Expenses	133.33	156.31	197.64	195.56	166.97	183.66	241.45	257.31	285.67	317.53	324.71	387.99	472.72	634.56	740.61	373.03	225.96
	3.Establishment, General & office expens	728.37	709.91	746.54	868.84	834.99	997.25	926.42	1132.68	1331.94	1432.44	1608.77	2699.88	2731.05	2918.02	3310.33	3493.67	3073.82
	4.State Electricity Duty.	75.35	80.45	83.98	92.98	104.01	122.18	133.38	148.63	178.54	203.88	215.33	245.68	279.33	240.47	294.53	162.9	182.6
	5.Others (RBDD)	3.72	24.61	13.73	9.07	48.13	50.15	124.94	55.46							0		
	6. Prior period Charges(Credits)	(38.82)	15.42	(204.41)	(20.98)	174.58	(4.89)	49.12	(16.21)	-58.23	11.54	-9.68	-9.3	-7.75	-0.36	0.02	(0.34)	(1.60)
	7 Expenses capitalised		0.00	0.00	0.00	0.00	0.00											
	8.Incentive to HT Consumers								261.77	253.78	160.16	55.12	0		0	0	0	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															32.28	0.00	28.59
	Provision for Tax				18.50	5.64	4.50	29.49	14.00	18.94	22.7	35.33	36.54	74.80	103.29	68.25	37.00	28.59
	Provision for deferred tax								22.64	25.8	62.99	14.31	52.13	51.27	-164.84	-67.73	(19.12)	48.51
	NET SURPLUS/ (DEFICIT)	0	0	(366)	(222)	(76)	57	291	110	143	105	136	88	297.95	(17092.77)	(1278.43)	(2349.54)	(3816.29)

9.3 REVENUE RECEIPTS & EXPENDITURE

(Rs.in crores)

Sl.No.	Details	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23
	REVENUE RECEIPTS							
	1.By sale of Power	20304.16	23949.72	26596.22	27814.48	30613.3	34022.77	44780.46
	By sale of power-Inter state	191.04	570.46	774.07	10.92	0.58	46.82	850.05
	2.Miscellaneous(including NTI&ED)	489.7	589.13	431.93	718.01	1480.39	651.24	560.72
	3.Subsidy	3289.42	4679.08	6193.74	9700.88	10265.44	8045.75	8677.36
A)	4.Transmission and SLDC Charges	0	0	0	0	186.63	0	0
	5.Transmission and SLDC Charges (Annual fee,Open Access)	981.96	1432.71	1576.75	2020.93	2546.34	2574.49	3535.44
	6.Other income	1034.65	1041.36	1576.66	1952	1853.5	2581.25	2420.12
	7.Capital contribution	458.16	535.63	656.19	721.22	695.89	731.65	862.63
	TOTAL (A)	26749.09	32798.09	37805.56	42938.44	47642.07	48653.97	61686.78
B)	REVENUE EXPENDITURE							
	1.Power Purchase	22447.31	25435.28	39036.79	31084.39	33290.56	37873.49	46405.29
	2.O&M Expenses	725.37	657.81	927.98	901.42	833.05	919.09	1227.73
	3.Establishment, General & office expenses	2503.05	3110.49	5351.76	6005.28	8014.49	6196.17	6206.39
	4.State Electricity Duty.	196.38	128.93	239.41	260.9	249.81	283.88	486.65
	5.Others (RBDD)							
	6. Prior period Charges(Credits)	73.44	0	0	0	0	0	0
	7 Expenses capitalised							
	8.Incentive to HT Consumers	0	0	0	0	0	0	0
	9.other debits	96.9	127.86	333.42	137.35	89.07	0	0
	10.Transmission and SLDC Charges	0	0	0	0	0		
	TOTAL (B)	26042.45	29460.37	45889.36	38389.34	42476.98	45272.63	54326.06
	GROSS OPERATING RESULTS (A-B)	706.64	3337.72	(8083.80)	4549.10	5165.09	3381.34	7360.72
C)	OTHER EXPENSES							
	1.Depreciation	1425.49	1598.09	1836.07	2163.42	2192.52	2309.72	2495.22
	2.Balance Surplus	(718.85)	1739.63	(9919.87)	2385.68	2972.57	2385.68	4865.49
	(Less Depreciation)							
	3.Interest Charges :							
	a)On Loans from Institutional creditors	958.36	1381.22	1599.13	2165.31	2098.68	2333.02	3435.58
	b)On Loans from							
	State Government	685.06	518.81	645.72	474.93	882.4	1170.7	892.74
	c)Less: IDC	102.73	284.22	296.24	196.65	220.55	291.46	350.74
	TOTAL Interest charges	1540.69	1615.81	1948.61	2443.59	2760.53	3212.26	3977.58
	Extraordinary items	86.83	0.00	0.00	0.00	0.00	0.00	1713.06
	Contingency Reserve	2.42	2.52	0.00	0.00	0.00	0.00	0.00
	TOTAL SURPLUS/LOSSES	(2175.13)	121.30	(11868.48)	(57.91)	212.04	(2140.64)	2600.97
	MAT credit entitlement of earlier years	24.11	13.89	4.54	7.24	57.21	4.22	48.42
	Provision for Tax	33.47	35.92	4.54	7.24	44.2	58.9	82.23
	Provision for deferred tax	53.01	65.98	(4.23)	(21.68)	149.97	11.74	115.22
	NET SURPLUS/ (DEFICIT)	(2237.50)	33.29	11864.25	(36.23)	260.60	(2215.50)	2355.10

9.3. (A) Revenue Receipts and Expenditure (T+D(EPDCL+SPDCL+CPDCL)) for the year 2022-23

(Rs in crores)

Particulars	TRANSCO	EPDCL	SPDCL	CPDCL	Total (D)	Total (T+D)
A. Revenue Receipts						
Sale of Power	0.00	15692.82	18704.39	10383.25	44780.46	44780.46
Sale of Power - Interstate/UI/inter Discom	0.00	307.89	343.76	198.40	850.05	850.05
Miscellaneous	0.00	446.28	49.91	64.53	560.72	560.72
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)	3048.79	0.00	0.00	486.65	486.65	3535.44
Capital Contributions	98.91	258.13	290.18	215.41	763.72	862.63
Other income	97.73	634.45	1167.27	520.67	2322.39	2420.12
Subsidy	0.00	2074.63	4816.12	1786.61	8677.36	8677.36
Total Revenue:	3245.43	19414.20	25371.63	13655.52	58441.35	61686.78
B. Revenue expenditure:						
Purchase of power	0.00	16614.65	19643.54	10147.10	46405.29	46405.29
Transmission & SLDC Charges	0.00	0.00	0.00		0.00	0.00
O & M Expenses	271.72	161.38	627.24	167.39	956.01	1227.73
Establishment (incl. Adm & Gen. Exp)	932.59	1111.16	2757.41	1405.23	5273.80	6206.39
State Electricity Duty	0.00	0.00	0.00	486.65	486.65	486.65
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	1204.31	17887.20	23028.19	12206.37	53121.76	54326.07
Gross operating results (A - B)	2041.12	1527.00	2343.44	1449.15	5319.59	7360.71
C. Other Expenses:						
Depreciation	787.03	383.46	814.84	509.89	1708.19	2495.22
Balance Surplus (Less Depreciation)	1254.09	1143.54	1528.60	939.26	3611.40	4865.49
Interest & finance Charges						
On loans from Institutions & others	523.87	1123.85	1668.41	119.45	2911.71	3435.58
from State Govt.	0.00	0.00		892.74	892.74	892.74
Less: IDC	135.11	0.00	141.07	74.56	215.63	350.74
Total Interest & finance Charges	388.76	1123.85	1527.34	937.63	3588.82	3977.58
Extraordinary items	0.00		1232.54	480.52	1713.06	1713.06
Contingency Reserve	0.00	0.00	0.00		0.00	0.00
Total Surplus	865.33	19.69	1233.80	482.15	1735.64	2600.97
MAT credit entitlement of earlier yeas	48.42	0.00	0.00	0.00	0.00	48.42
Provision for Tax/(MAT credit)	82.23	0.00	0.00	0.00	0.00	82.23
Provision for Deferred Tax/(Deferred Tax Asset)	115.22	0.00	0.00	0.00	0.00	115.22
Net Surplus / (Deficit)	619.46	19.69	1233.80	482.15	1735.64	2355.10

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 2022-23)

Sl.No.	I t e m s	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23
		%	%	%	%	%	%	%	%	%
A)	REVENUE RECEIPTS									
1	By Sale of Power	70.78	75.22	75.91	73.02	70.35	64.78	64.26	69.93	73.17
1(a)	By interstate sale of power	2.43	2.27	0.71	1.74	2.05	0.03	0	0.10	1.39
2	Miscellaneous	1.42	1.61	1.83	1.8	1.14	1.67	3.11	5.29	0.00
3	Subsidy	13.08	12.81	12.3	14.27	16.38	22.59	21.55	1.50	4.98
4	Others	6.25	3.11	3.87	3.18	4.17	4.55	3.89	1.34	1.41
5	Capital Contributions	1.49	1.6	1.71	1.63	1.74	1.68	1.46	5.31	0.92
6	Transmission and SLDC Charges	4.56	3.39	3.67	4.37	4.17	4.71	0.39	16.54	3.95
7	Transmission and SLDC Charges (Incl.Anuual fee,Open Access)							5.34	0	14.18
	TOTAL (A)	100	100	100	100	100	100	100	100	100
B)	REVENUE EXPENDITURE									
1	Power Purchase	72.61	75.92	77.38	77.84	78.59	72.33	70.26	74.45	76.02
2	O&M Expenses	1.42	0.79	2.50	2.02	1.87	2.10	1.76	1.81	0.00
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	2.01
4	Duty	0.62	0.64	0.68	0.39	0.48	0.61	0.53	0.56	10.17
5	Net prior period charges	0.00	(0.01)	0.25	0.00	0.00	0.00	0.00	0.00	0.80
6	Expenses capitalised								0.00	0.00
7	Others	0.69	0.08	0.33	0.39	0.67	0.32	0.19	0.00	0.00
8	Incentives to HT consumers	0	0.00	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									4.09
1	Depreciation	4.29	4.41	4.91	4.89	3.70	5.03	4.63	4.54	6.52
2	Interest Charges	4.05	4.91	5.31	4.94	3.92	5.69	5.83	6.31	0.00
3	Taxes	0.00	0	0.00	0.00	0.00	(0.05)	(0.10)	0.15	0.40
4	Contingency Reserve	0.01	0.01	0.01	0.01	(0.01)	0.00	0.00	0.00	0.00
	TOTAL (B + C)	100	100	100	100	100	100	100	100	100

**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
42	2022-23			440.00	2022-23	440.00	672.00	597.00

* 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
23	2022-23	725.44	644.34	738.36	682.84

9.6 COST OF COAL DURING FY 2022-23					
Sl.No.	Thermal Station	Source of supply	(Rs. / Metric Ton)	GRADE	
1	R.T.P.P	SCCL			
			6050.58	G8	
	SSCL	Ramagundam	4477.84	G11	
			3665.90	G13	
			3648.80	G13	
		Manuguru	3370.58	G14	
			3371.14	G15	
		Rudrampur	4417.83	G11	
		Ramakrishnapuram	4454.42	G11	
			6004.84	G8	
		Srirampur	5761.73	G10	
			5045.53	G10	
		Kothagudem	3930.50	G13	
			3706.58	G14	
		Bellampalli	4481.56	G11	
		MCL	MCL		
			Ananta OCM	1780.31	G12
	Balram OCM		1694.47	G13	
	Belpahar OC Mine		1664.28	G14	
	Bharathpur OC Mine		1694.47	G13	
	Bhubaneswari OC Mine		1780.31	G12	
	Garjanbahal OC Mine		1823.57	G14	
	Hingula OCM		1664.28	G13	
	Hingula OCM		1664.28	G14	
	Jagannath OC Plant		1780.31	G12	
	Kulda OC Mine		1909.41	G13	
	Lajkura OCM		1664.28	G14	
Lakhanpur OC Mine	1664.28		G14		
Lingaraj OC Mine	1694.47		G13		
Samleswari OCM	1664.28		G14		
2	Dr.NTTPS		SCCL		
SCCL	Yellandu		3530.29	G15	
	Rudrampur	3568.68	G13		
	Manuguru	6866.48	G7		
	Manuguru	---	G10		
	Manuguru	3649.93	G13		
	Manuguru	3369.68	G15		
	Ramagundam,	5925.75	G8		
	Ramagundam,	3574.62	G13		
	Ramagundam,	4268.64	G11		
	MANDAMARRI	4758.78	G10		
	MANDAMARRI	4454.84	G11		
	MANCHIRYEL	6330.00	G9		
	MANCHIRYEL	5045.15	G10		
	Tadikalapudi		G12		
	MCL	MCL			
		Jaganath(Talcher)	1779.26	G12	
		Anantha/Bharatput(Talcher)	1772.23	G12	
Bharatpur (Talcher)		1645.41	G13		
Bharatpur (Talcher)		1650.45	G14		
Bharatpur by Rd(Talcher)		1694.47			
Lajkura(IB)		1608.63	G14		
Belpahar	1608.63	G14			

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

9.7 COST OF OILS AS ON 31-03-2023				
		Furnace Oil (Rs/Kl)	HSD Oil (Rs/Kl)	LDO(Rs/Kl)
1	(Dr.NTTPS) V.T.P.S	48334.00	101848.00	81012.00
2	R.T.P.P	54262.63	-	96922.34

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

9.8 Average Realisation from Sale of Power During FY 2022-23

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	6776.07	3348.28	4.94	5228.36	2040.39	3.90	5314.43	2515.59	4.73	17318.86	7904.26	4.56
Non - Domestic	1269.87	1408.23	11.09	1101.89	1119.69	10.16	1065.77	1130.08	10.60	3437.53	3658.00	10.64
Industrial	452.73	445.90	9.85	592.45	460.70	7.78	469.48	410.26	8.74	1514.66	1316.86	8.69
Institutions/STLs CAT,IV	431.64	439.38	10.18	820.76	646.55	7.88	322.61	277.21	8.59	1575.01	1363.14	8.65
Agriculture, LIS, Aqua, Poultry etc.,	3932.03	2848.29	7.24	6944.42	4895.81	7.05	2966.89	2298.40	7.75	13843.34	10042.50	7.25
Total LT Categories	12862.34	8490.08	6.60	14687.88	9163.14	6.24	10139.18	6631.54	6.54	37689.39	24284.76	6.44
HT Categories												
Townships & Colonies CAT. 1	32.05	25.05	7.82	15.38	11.54	7.50	13.56	11.64	8.59	60.99	48.23	7.91
Commercial Cat.II & Others	885.93	958.64	10.82	461.20	472.67	10.25	481.32	500.12	10.39	1828.45	1931.43	10.56
General Industries - Cat III	10424.39	7304.91	7.01	7028.66	4911.06	6.99	2553.22	2103.48	8.24	20006.27	14319.45	7.16
Institutional (Religious, Rly, PWS) Cat IV	1055.98	908.63	8.60	1090.58	844.56	7.74	605.47	474.21	7.83	2752.03	2227.40	8.09
Agriculture	83.53	80.13	9.59	894.60	595.43	6.66	73.66	59.72	8.11	1051.78	735.28	6.99
RESCOs	0.00	0.00	0.00	435.93	35.54	0.82	0.00	0.00	0.00	435.93	35.54	0.82
Total HT Categories	12481.87	9277.36	7.43	9926.35	6870.80	6.92	3727.23	3149.19	8.45	26135.45	19297.35	7.38
Total (LT + HT)	25344.20	17767.44	7.01	24614.23	16033.94	6.51	13866.41	9780.73	7.05	63824.84	43582.11	6.83

Note:

1) CPDC*:- For the above calculation Revenue consists of Energy Charges, Fixed Charges and Demand Charges only and includes Tariff Subsidy booked for ₹ 1765.07 Crore (See Note No.19) in case of LT Agriculture & Related Category - V.

2) EPDC* :- Revenue details in above stated is inclusive of subsidy amount

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
2022-23	7904.26	3658.00	1316.86	1363.14	10042.50	24284.76	19297.35	43582.11

**9.10 SALE OF ENERGY CATEGORY-WISE
(1970-71 TO 2018-19)**

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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 2022-23)**

Financial Year	L.T.CATEGORY					Total L.T	Total H.T.	MU
	I (Domestic)	II(Non-Domestic/ commercial)	III (Industrial)	IV(Institutional)	V(Agricultural)			TOTAL
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
2022-23	17318.86	3437.53	1514.66	1575.01	13843.34	37689.39	26135.45	63824.84

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

(Provl) MU

Financial Year	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 2022-23)**

(Provl)

MU

Financial Year	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	Comml - II	Industry -III	Institutional - IV	Agricultural - V		Dom -I	Comml - II	Industry -III	Institutional - 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
Anl%	-0.17	15.79	-0.94	11.38	11.89	5.77	2.06	23.70	14.51	22.25	-11.94	-6.86	14.02	9.00
2022-23	17318.86	3437.53	1514.66	1575.01	13843.34	37689.39	60.99	1828.45	20006.27	2752.03	1051.78	435.93	26135.45	63824.84

**9.11 PATTERN OF ELECTRICITY CONSUMPTION (%)
(1960 TO 2023)**

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
2022-23	27.23	8.25	23.34	33.72	4.31	3.15	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. Consumers	H.T. Consumers	TOTAL	Decreed debts	Debts pending in Courts	Debts to be withdrawn	Amounts due from Govt. Depts	Amounts due from Local Bodies	Amounts due from Live Services	Amounts due from Disconnected Services	Others (Arrears of RESCOs,RR Act,)	TOTAL
1986-87	56.81	105.36	162.17	0.46	76.49	0.28	2.57	8.15	43.02	31.20		162.17
1987-88	72.84	150.87	223.71	0.52	109.18	0.36	6.47	11.38	67.6	28.2		223.71
1988-89	82.86	192.84	275.70	0.53	141.21	0.96	10.68	13.78	72.72	35.82		275.70
1989-90	106.75	260.28	367.03	0.58	203.95	1.07	11.37	14.70	89.20	46.16		367.03
1990-91	114.54	248.58	363.12	0.54	189.24	0.95	13.58	18.34	92.52	47.95		363.12
1991-92	128.52	277.44	405.96	0.6	189.32	1.4	19.37	22.21	125.91	47.15		405.96
1992-93	175.07	281.38	456.45	6.26	141.86	3.15	25.82	39.20	128.40	111.76		456.45
1993-94	220.28	335.46	555.74	1.08	191.86	2.83	55.33	41.69	176.48	86.47		555.74
1994-95	262.10	310.26	572.36	0.44	176.83	2.69	36.68	48.80	210.62	96.30		572.36
1995-96	262.33	328.57	590.90	0.47	178.71	5.55	69.69	39.19	197.51	99.78		590.90
1996-97	353.70	371.48	725.18	0.37	176.76	5.44	66.90	52.37	279.28	144.06		725.18
1997-98	495.93	355.61	851.54	0.47	106.93	1.63	133.82	35.64	344.72	228.33		851.54
1998-99	661.58	504.11	1165.69	0.54	118.11	4.52	238.46	78.80	465.61	259.65		1165.69
1999-2K	843.99	385.83	1229.82	0.86	111.96	3.87	140.48	123.70	549.94	299.01		1229.82
2000-01	1020.70	480.14	1500.84	0.27	141.62	4.86	176.28	169.52	639.87	368.42		1500.84
2001-02	1154.37	516.25	1670.62	0.48	122.68	3.14	199.75	170.97	771.14	402.46		1670.62
2002-03	1640.12	602.18	2142.30	0.54	115.01	7.48	303.51	131.40	1012.52	571.84		2142.30
2003-04	2022.59	626.96	2649.55	8.49	109.09	4.69	370.63	0.93	1435.18	720.54		2649.55
2004-05	2495.25	866.71	3361.96	2.64	180.60	3.83	495.67	40.78	1841.06	797.38		3361.96
2005-06	1181.76	823.44	2005.20	12.09	265.76	2.97	254.22	50.14	587.59	646.95	185.48	2005.20
2006-07	1211.93	864.88	2076.81	2.09	293.64	3.13	281.78	102.67	613.94	619.81	159.75	2076.81
2007-08	1191.79	865.34	2057.13	2.72	309.04	2.13	299.81	107.48	506.51	639.24	190.2	2057.13
2008-09	1067.91	858.09	1926.00	1.40	355.18	2.22	235.45	165.60	457.05	514.61	194.49	1926.00
2009-10	1270.82	975.13	2245.95	1.40	384.19	2.24	321.91	311.78	550.65	473.82	199.96	2245.95
2010-11	1546.84	1210.16	2757.00	16.11	444.09	2.77	486.63	522.19	714.04	478.61	92.56	2757.00
2011-12	1883.95	1414.42	3298.37	3.11	609.94	3.00	539.93	746.39	898.15	352.06	145.79	3298.37
2012-13	1944.13	1967.95	3912.08	3.74	713.02	3.01	571.96	757.2	1212.97	408.41	241.76	3912.07
2013-14	2564.18	2660.97	5225.15	3.06	1024.68	1.14	957.71	1498.76	778.13	650.18	311.49	5225.15
2014-15*	1274.09	1284.69	2558.78	0.26	632.57	4.98	362.47	1013.4	178.68	260.95	105.45	2558.76
2015-16	1433.11	1559.59	2992.70	0.98	717.61	4.71	242.78	1185.81	289.23	370.89	180.67	2992.68
2016-17	1927.6	2361.12	4288.72	4.27	667.84	4.16	1026.93	1516.06	552.6	349.64	167.27	4288.77
2017-18	2449.58	3398.26	5847.84	4.2	706.74	4.67	1860.75	2122.55	576.02	408.52	164.42	5847.87
2018-19	3151.08	3981.56	7132.64	1.63	737.51	-1.71	2252.72	2733.91	490.12	660.2	258.3	7132.68
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
2022-23	5642.41	10009.72	15652.13	0.020	2337.75	0.75	6573.74	4587.01	1279.29	219.90	653.68	15652.14

*For Residual AP

9.13: TARIFF FOR RETAIL SALE OF ELECTRICITY DURING FY2022-23
(Applicable with effect from 01.04.2022 to 31.03.2023 in respect of three distribution licensees, APSPDCL, APEPDCL and APCPDCL in the State of Andhra Pradesh Approved by APERC)

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	220 kV
I	DOMESTIC								
	(A) : Domestic (Telescopic)								
	0-30	10	1.90	kWh	-	-	-	-	-
	31-75	10	3.00	kWh	-	-	-	-	-
	76-125	10	4.50	kWh	-	-	-	-	-
	126-225	10	6.00	kWh	-	-	-	-	-
	226-400	10	8.75	kWh	-	-	-	-	-
	>400	10	9.75	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 consumption between 10 AM to 12 Noon.								
	(B) : Townships, Colonies, Gated Communities and Villas	-	-	kVAh	75	7.00	7.00	7.00	7.00
II	COMMERCIAL & OTHERS								
	A (i) : Commercial								
	0-50	75/kW	5.40	kWh/kVAh	475	7.65	6.95	6.70	6.65
	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	7.65
	(ii) Advertising Hoardings	100	12.25	kWh/kVAh	-	-	-	-	-
	(iii) Function halls / Auditoriums	-	12.25	kWh/kVAh	-	12.25	12.25	12.25	12.25
	(B):Startup power	-	12.25	kWh/kVAh	-	12.25	12.25	12.25	12.25
	(C):Electric Vehicles/Charging Stations	-	6.70	kWh/kVAh	-	6.70	6.70	6.70	6.70
	(D) : Green Power	-	12.25	kWh/kVAh	-	12.25	12.25	12.25	12.25

9.13: TARIFF FOR RETAIL SALE OF ELECTRICITY DURING FY2022-23
(Applicable with effect from 01.04.2022 to 31.03.2023 in respect of three distribution licensees, APSPDCL, APEPDCL and APCPDCL in the State of Andhra Pradesh Approved by APERC)

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	220 kV
III	INDUSTRY								
	(A) : Industry (General)	75/kW	6.70	kWh/kV Ah	475	-	-	-	-
	Time of Day tariff (TOD) (High Grid Demand) (Feb'23, Mar'23), (Apr- May'22) & (Sep'22-Oct'22)								
	Peak (06-10) & (18-22)	-	-			7.80	7.35	6.90	6.85
	Off-Peak (10 -15) & (00-06)	-	-			5.55	5.1	4.65	4.60
	Normal (15-18) & (22-24)	-	-			6.30	5.85	5.40	5.35
	Time of Day tariff (TOD) (Low Grid Demand) (Jun'22-Aug'22) & (Nov'22-Jan'23)								
	Peak (06-10) & (18-22)	-	-			7.30	6.85	6.40	6.35
	Off-Peak (10 -15) & (00-06)	-	-			5.55	5.10	4.65	4.60
	Normal (15-18) & (22-24)	-	-			6.30	5.85	5.40	5.35
	Industrial Colonies	-	-	kWh/kV Ah	-	7.00	7.00	7.00	7.00
	(B) : Seasonal Industries (off-season)	75/kW	7.45	kWh/kV Ah	475	7.65	6.95	6.70	6.65
	(C) : Energy Intensive Industries	-	-	kWh/kV Ah	-	5.80	5.35	4.95	4.90
(D) : Cottage Industries up to 10HP *	20/kW	3.75	kWh	-	-	-	-	-	
* - Dhobighats shall be extended free power supply as per G.O.Rt.No.75, dt. 27-06-2018									
IV	INSTITUTIONAL								
	(A) : Utilities (Street Lighting, NTR Sujala Pathakam, CPWS and PWS)	75/kW	7.00	kWh	475	7.65	6.95	6.70	6.65
	(B) : General Purpose	75/kW	7.00	kWh/kV Ah	475	7.95	7.25	7.00	6.96
	(C) : Religious Places	30/kW	5.00	kWh/kV Ah	30	5.00	5.00	5.00	5.00
	(D) : Railway Traction	-	-	kVAh	350	5.50	5.50	5.50	5.50
V	AGRICULTURE & RELATED								
	(A) : Agriculture								
	(i) Corporate farmers	-	3.50	kWh	-	-	-	-	-
	(ii) Non-Corporate farmers	-	-	-	-	-	-	-	-
	(iii) Salt farming units up to 15 HP	-	2.50	kWh	-	-	-	-	-
	(iv) Sugarcane crushing	-	-	-	-	-	-	--	-
	(v) Rural Horticulture Nurseries	-	-	-	-	-	-	--	-
	(vi) Floriculture in Green House	75/kW	4.50	kWh/kV Ah	-	-	-	-	-
	(B) : Aquaculture and Animal Husbandry	30/kW	3.85	kWh/kV Ah	30	3.85	3.85	3.85	3.85
	(D) : Agro Based Cottage Industries up to 10 HP	20/kW	3.75	kWh	-	-	-	-	-
(E) : Government / Private Lift Irrigation Schemes	-	6.40	kVAh	-	7.15	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) (i) Commercial								

10. PERSONNEL

10.1 CADRE STRENGTH IN AP Power Sector

(Figures in Nos)

Sl. No.	Details	AP GENCO	AP TRANSCO	AP GENCO	AP TRANSCO	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	AP GENCO	AP TRANSCO	DISCOMs	AP GENCO	AP TRANSCO	DISCOMs	AP GENCO	AP TRANSCO	DISCOMs
		2000		2001		2002		2003		2004		2005		2006		2007			2008			2009		
	OTHER THAN WORKMEN																							
1.	Technical	2892	5585	2944	5908	2927	5914	2934	5966	2936	6070	2927	6211	2916	6369	2952	2454	4511	3492	2470	4026	3486	2625	4020
2.	Non-Technical	436	617	465	1828	484	690	496	689	547	656	558	662	513	778	524	190	887	481	190	623	478	309	2702
	WORKMEN																							
1.	Technical	614	2173	619	2357	617	2272	580	2272	585	2332	573	2388	558	2404	555	306	1574	550	303	2155	541	344	2157
2.	Non-Technical	2007	15605	2021	14577	2026	15254	2100	15365	1836	15476	1798	15660	1864	15102	1854	1369	13586	1830	1362	13889	1740	1362	12897
3.	O & M and Construction and others	9330	36040	9443	37001	9476	37490	8283	37400	8147	37668	7862	38202	8024	37992	7927	3409	34656	7882	3391	35343	7460	3365	34930
	TOTAL	15279	60020	15492	61671	15530	61620	14393	61692	14051	62202	13718	63123	13875	62645	13812	7728	55214	14235	7716	56036	13705	8005	56706

10.1 CADRE STRENGTH IN AP Power Sector

(Figures in Nos)

Sl. No.	Details	AP GENCO	AP TRANSCO	DISCOMs	AP GENCO	AP TRANSCO	DISCOMs	AP GENCO	AP TRANSCO	DISCOMs	AP GENCO	AP TRANSCO	DISCOMs	AP GENCO	AP TRANSCO	DISCOMs	AP GENCO	AP TRANSCO	DISCOMs
		2010			2011			2012			2013			2014			2015		
	OTHER THAN WORKMEN																		
1.	Technical	4051	2925	4333	4051	3332	6601	4053	3332	5873	4053	3362	6667	4437	3427	6374	2466	1697	3580
2.	Non-Technical	630	324	1662	629	343	1847	627	353	1780	628	221	1885	691	233	1949	355	122	949
	WORKMEN																		
1.	Technical	644	384	2201	637	3	227	638		3	637		2	713		17	369	223	-
2.	Non-Technical	1885	1293	12889	1889	1222	12926	1894	1222	14114	1900	1354	13159	1953	1354	15092	1126	769	7211
3.	O & M and Construction and others	8470	3327	35689	8441	3402	35370	8396	3394	35247	8372	3394	35022	8901	3405	38379	4937	2106	19615
	TOTAL	15680	8253	56774	15647	8302	56971	15608	8301	57017	15590	8331	56735	16695	8419	61811	9253	4917	31355

10.1 CADRE STRENGTH in AP Power Sector

(Figures in

Sl.No.	Details	AP GENCO	AP TRANSCO	DISCOMs	AP GENCO	AP TRANSCO	DISCOMs	AP GENCO	AP TRANSCO	DISCOMs	AP GENCO	AP TRANSCO	DISCOMs	AP GENCO	AP TRANSCO	DISCOMs	AP GENCO	AP TRANSCO	DISCOMs
1	2	2016			2017			2018			2019			2020			2021		
	OTHER THAN WORKMEN																		
1.	Technical	2466	1691	1789	2472	1691	3601	2472	2290	3785	2474	2290	2953	2474	2290	2646	2473	2290	3621
2.	Non-Technical	355	120	953	355	120	982	355	200	1009	357	201	874	357	201	875	355	201	920
	WORKMEN																		
1.	Technical	369	223	1810	425	223	***	425	-	**	424	-	**	424	-	811	427	-	-
2.	Non-Technical	1126	766	7229	1070	766	2386	1070	691	2359	1068	690	6019	1068	690	5406	1068	690	6417
3.	O & M and Construction and others	4937	2106	19673	4931	2106	24592	4931	2106	24687	4930	2106	13525	4930	2106	15431	4930	2106	21212
	TOTAL	9253	4906	31454	9253	4906	31561	9253	5287	31840	9253	5287	23371	9253	5287	25169	9253	5287	32170

* 11 Posts in CTI /Hyderabad was allotted to TSTRANSCO

10.1 Cadre Strength Sanctioned in AP Power Sector

(Figures in Nos)

Sl.No.	Details	AP GENCO	AP TRANSCO	DISCOMs	AP GENCO	AP TRANSCO	DISCOMs
1	2	2022			2023		
	OTHER THAN WORKMEN						
1.	Technical	2472	2290	3848	2472	2290	3834
2.	Non-Technical	357	210	998	357	210	1004
	WORKMEN						
1.	Technical	423	1712	8318	423	1712	23925
2.	Non-Technical	1226	586	5186	1226	586	7211
3.	O & M and Construction and others	4773	489	15741	4773	489	479
	TOTAL	9251	5287	34091	9251	5287	36453

* 11 Posts in CTI /Hyderabad was allotted to TSTRANSCO

10.2 MAN POWER DETAILS

Figures in Nos

		ANDHRA PRADESH																							
Sl.No.	Particulars	Genco	T & D	Genco	T & D	Genco	T & D	Genco	T & D	Genco	T & D	Genco	T & D	Genco	T & D	Genco	T & D	Genco	T & D	Genco	T & D	Genco	T & D	Genco	T & D
		2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17												
A.	Total No.of Employees	13875	62645	13812	62942	14235	63752	13705	64711	15680	65027	15647	65273	15608	65318	15590	65066	16695	70230	9253	36272	9253	36360	9253	36467
B.	Number employed in construction Projects	267	---	682	---	---	906	1989	---	2029	---	548	---	627	---	1464	---	1355	---	1348	---	100	---	---	---
C.	Total employed in Generation,Transmission &Distribution(A-B)	13608	62645	13130	62942	14235	63752	12799	64711	13691	65027	13618	65273	15060	65318	14963	65066	15231	70230	7898	36272	7905	36360	9153	36467
D.	Employment break-up of 'C'																								
	1.a)Number.Actually employed in Thermal Generation	9229	---	8717	---	8674	---	8557	---	9325	---	9236	---	10774	---	10735	---	8812	---	4266	---	5276	---	6400	---
	1.b)Plus proportion of other employees (H.Q.Posts)	504	---	456	---	464	---	478	---	505	---	497	---	543	---	541	---	479	---	152	---	307	---	296	---
	1.c)Thermal Capacity in operation in MW	3234.5	---	3172.5	---	3655	---	3655	---	4155	---	4592.5	---	5092.5	---	5092.5	---	5092.5	---	2810	---	2810	---	2810	---
	1.d)Employees / MW (1a+1b)/1c	3.01	---	2.89	---	2.50	---	2.47	---	2.37	---	2.12	---	2.22	---	2.214	---	1.824	---	1.572	---	1.987	---	2.383	---
	2.a)No.actually employed in Hydel Generation	3593	---	3603	---	3629	---	3404	---	3370	---	3459	---	3320	---	3271	---	2053	---	1141	---	2141	---	2258	---

10.2 MAN POWER DETAILS (Figures in Nos)

Particulars	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	
2.b)Plus proportion of other employees(HQ)	282	---	354	---	359.5		360		376		375		421	
2.c)Hydel capacity in operation(MW)	3586.4	---	3586.4	---	3627.4		3627.4		3744		3790		3865	
2.d)Employees per MW ((2a+2b)/2c)	1.08	---	1.10	---	1.1		1.0		1.0		1.0		0.97	
3.a)No.of posts sanctioned in Transmission&distribution	---	61283	---	61986		62860		63794		63883		64118		64617
3.b)Plus proportion of other employees(HQ)(TRANSCO)	---	1062	---	956		892		917		1144		1155		1151
3.c)No.of consumers in thousands	---	17235	---	18290		19383		20588		21731		22856		23981
3.d)Employees(sanctioned) per 1000 consumers (3a+3b)/3c	---	3.62	---	3.44		3.29		3.14		2.94		2.86		2.74
4.a)Units sold including exports in MKWH	---	39652	---	44807		48390		53215		59118		62618		69955
4.b)Total No. of employees (sanctioned)per MU sold	---	1.57	---	1.40		1.29		1.22		1.08		0.96		1.06

* Reconciled figures

10.2 MAN POWER DETAILS (Figures in Nos)

Particulars	Genco	T & D	Genco	T & D	Genco	T & D	Genco	T & D	Genco	T & D
	2012-13		2013-14		2014-15		2015-16		2016-17	
2.b)Plus proportion of other employees(HQ)	422		405		134		181		201	
2.c)Hydel capacity in operation(MW)	3865		3865		1749.6		1749.6		1749.6	
2.d)Employees per MW ((2a+2b)/2c)	0.96		0.635		0.729		1.32716		1.40546	
3.a)No.of posts sanctioned in Transmission&distribution		65066		70230		36272		36360		36467
3.b)Plus proportion of other employees(HQ)(TRANSCO)		1158		1157		675		675		
3.c)No.of consumers in thousands		25159		26652		15619		16300		17182
3.d)Employees(sanctioned) per 1000 consumers (3a+3b)/3c		2.63		2.68		2.37		2.27		2.12
4.a)Units sold including exports in MKWH		67604		73126		45120*		49513*		52637.23*
4.b)Total No. of employees (sanctioned)per MU sold		1.02		1.02		1.22		1.34		1.44

* Reconcilled figures

10.2 MAN POWER DETAILS

Sl.No.	Particulars												
		GENCO	T & D	GENCO	T & D	GENCO	T & D	GENCO	T & D	GENCO	T & D	GENCO	T & D
		2017-18		2018-19		2019-20		2020-21		2021-22		2022-23	
A.	Total No.of Employees	9253	37127	9244	28658	9253	30456	9253	37457	9253	39378	9251	41740
B.	Number employed in construction Projects	100		102		1348		231		234		175	
C.	Total employed in Generation,Transmission&Distribution(A-B)	9153	37127	9142	28658	7905	30456	9022	37457	9019	39378	9076	41740
D.	Employment break-up of 'C'												
	1.a)Number.Actually employed in Thermal Generation	6400		6480		5276		4083		3752		3842	
	1.b)Plus proportion of other employees (H.Q.Posts)	296		284		282		177		169		229	
	1.c)Thermal Capacity in operation in MW	2810		3410		3410		5010		5010		5810	
	1.d)Employees / MW (1a+1b)/1c	2.38		1.98		1.99		0.85		0.78		0.70	
	2.a)No.actually employed in Hydel Generation	2258		2271		2141		1107		1036		1038	

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
		2017-18		2018-19		2019-20		2020-21		2021-22		2022-23	
	2.b)Plus proportion of other employees(HQ)	201		215	-	213		129		117		145	
	2.c)Hydel capacity in operation(MW)	1749.6		1749.6	-	1749.6		1773.6		1773.6		1773.6	
	2.d)Employees per MW ((2a+2b)/2c)	1.405464		1.421	-	1.408		0.697		0.650		0.667	
	3.a)No.of posts sanctioned in Transmission&distribution		37127		28658		30456		37457		39378		41740
	3.b)Plus proportion of other employees(HQ)(TRANSCO)												
	3.c)No.of consumers in thousands		17821		18506		18809		19346		19604		20229
	3.d)Employees(sanctioned) per 1000 consumers (3a+3b)/3c		2.08		1.55		1.62		1.94		2.01		2.06
	4.a)Units sold including exports in MKWH		57576		63144		62923		63070		68973		72465.48
	4.b)Total No. of employees (sanctioned)per MU sold		1.55		2.20		2.07		1.68		1.75		1.74

* Reconcilled figures

10.3a DETAILS OF OTHER THAN WORKMEN IN AP GENCO AS ON 31-03-2023

S.No.	Cadre	Head Qrs.		Field		Total	
		Sanctioned	Existing	Sanctioned	Existing	Sanctioned	Existing
1	2	3	4	5	6	7	8
A	TECHNICAL						
1	Chief Engineer/EI including CGM Adm(G	7	7	6	6	13	13
2	Superintending Engineer	16	15	31	29	47	44
3	Executive Engineer	40	39	172	172	212	211
4	Deputy Executive Engineer	89	88	711	716	800	804
5	AEE / AE	44	40	1259	923	1303	963
6	Superintend Chemist			1	1	1	1
7	Executive Chemist			5	0	5	0
8	Deputy Executive Chemist	1	1	33	32	34	33
9	Asst.Executive Chemist	2	2	55	37	57	39
	T O T A L	199	192	2273	1916	2472	2108
B	NON-TECHNICAL						
1	ED(FINANCE)	1	1	0	0	1	1
2	CGM(A&T)	1	1	0	0	1	1
3	COMAPANY SECREATARY	0	0	1	0	1	0
4	Joint Secretary (Personnel)	1	1	0	0	1	1
5	Chief of Security & Vigilance	1	0	0	0	1	0
6	GM(Accounts)	4	4	4	3	8	7
7	DS	3	3	1	1	4	4
8	GM(Legal)	1	0	0	0	1	0
9	GM(HR)	1	1	2	2	3	3
10	SAO	7	6	7	8	14	14
11	DGM(HR)	2	1	0	0	2	1
12	AS	5	6	5	4	10	10
13	Dy Civil Surgeon	1	0	1	2	2	2
14	Security Officer	0	0	3	0	3	0
15	Senior Welfare Officer	0	0	3	0	3	0
16	LAW OFFICER	1	0	0	0	1	0
17	Divisional fire Officer	0	0	1	1	1	1
18	Welfare officer	0	0	5	0	5	0
19	Asst. Security Officer	1	0	7	0	8	0
20	ACS	1	1	12	2	13	3
21	AO	17	15	17	19	34	34
22	Dy Manager (HR)	0	0	3	0	3	0
23	PO	22	10	6	6	28	16
24	Protocol Officer	0	0	1	0	1	0
25	Asst.Divisional Fire Officer	0	0	3	3	3	3
26	AAO	9	7	27	29	36	36
27	JUNIOR LAW OFFICER	1	0	0	0	1	0
28	Asst. Manager (HR)	1	0	6	0	7	0
29	Security Inspector	2	0	9	0	11	0
30	DSP(Vgilance)	1	0	0	0	1	0
31	JAO	36	16	107	83	143	99
32	Head Master	0	0	1	0	1	0
33	Station Fire Officer	0	0	5	3	5	3
	TOTAL	120	73	237	166	357	239
	Grand Total	319	265	2510	2082	2829	2347

10.3b DETAILS OF WORKMEN IN AP GENCO AS ON 31-03-2023

S.No.	Cadre	Head Qrs.		Field		Total	
		Sanctioned	Existing	Sanctioned	Existing	Sanctioned	Existing
1	2	3	4	5	6	7	8
A	TECHNICAL						
1	Jr. ENGINEER	1	1	422	165	423	166
2	FM Gr-I	0	0	247	243	247	243
3	MCP DRIVER	0	0	32	24	32	24
4	LOCO Operator	0	0	54	33	54	33
5	Dozer Operator	0	0	44	8	44	8
6	FM Gr-I (Crane Op,EOT,HVD/LVD)	0	0	10	2	10	2
7	Foreman Driver(FM GR-I)	0	0	6	0	6	0
8	Lab Assistant Gr-I(FM Gr-I)	0	0	2	0	2	0
9	HP Welder (FM Gr-I)	0	0	3	2	3	2
10	Supervisory Gr - I	0	0	1	0	1	0
11	Health Inspector	0	0	3	0	3	0
12	Staff Nurse	0	0	10	1	10	1
13	Radiographer	0	0	1	0	1	0
14	Secondary Grade Teacher	0	0	1	0	1	0
15	Drawing Teacher	0	0	1	0	1	0
16	Hindi/telugu Pandit Grade II	0	0	1	0	1	0
17	FM Gr-II	0	0	101	94	101	94
18	HEMO Operator	0	0	2	0	2	0
19	Foreman Driver Gr.II	0	0	3	0	3	0
20	Lab Assistant	0	0	4	0	4	0
21	HP Welder	0	0	1	0	1	0
22	Leading Fireman	0	0	28	17	28	17
23	Civil Maistry Gr-I	0	0	1	0	1	0
24	FM Gr-IV / FM Gr - IV(Mech)	1	1	220	206	221	207
25	Winder Gr-II	0	0	1	0	1	0
26	Tester Gr.I	0	0	1	0	1	0
27	SSA/SBO	0	0	31	0	31	0
28	Civil Maistry(TBHS)	0	0	1	0	1	0
29	Civil Maistry Gr-II	0	0	3	0	3	0
30	H V Driver/FM Driver	0	0	20	14	20	14
31	Line Inspector	0	0	2	0	2	0
32	Maistry Gr.I	0	0	2	0	2	0
33	Driver Gr - I	0	0	5	5	5	5
34	Mechanic Gr.I	0	0	2	0	2	0
35	Cable Jinter/Caulker&Rivetter	0	0	1	0	1	0
36	Driver operator	0	0	37	12	37	12
37	Pharmacist Gr-II/Pharmacist	0	0	11	2	11	2
38	Lab Technician	0	0	4	0	4	0
39	HP Welder (PA)	0	0	1	0	1	0
40	Carpenter Gr.I	0	0	2	0	2	0
41	Electrician/Crane Operator	0	0	5	0	5	0
42	L V Driver	0	0	17	4	17	4
43	Filter Operator	0	0	2	0	2	0
44	Fitter	0	0	7	0	7	0
45	Fitter Gr.I	0	0	1	0	1	0
46	Lineman	0	0	16	0	16	0
47	Lineman Driver Gr-I	0	0	7	0	7	0
48	Diver/PA	0	0	19	0	19	0
49	Mechanic Gr.III	0	0	26	0	26	0
50	AHO(PA)/Mechanic Gr-III	0	0	1	0	1	0
51	Operator Gr - I HV	0	0	10	7	10	7
52	Operator Gr-II(EOT)	0	0	3	2	3	2
53	Operator Gr-II (LVD)	0	0	30	23	30	23
54	PA Hot (Lines)	0	0	8	3	8	3
55	Operator Gr-II (PA)	0	0	6	6	6	6
56	Plant Asst./Plant Attendant	0	0	1017	778	1017	778
57	Pump Driver	0	0	5	0	5	0
58	Shunter PA	0	0	72	59	72	59
59	Tester Gr.II	0	0	1	0	1	0
60	Welder	0	0	1	0	1	0

S.No.	Cadre	Head Qrs.		Field		Total	
		Sanctioned	Existing	Sanctioned	Existing	Sanctioned	Existing
1	2	3	4	5	6	7	8
61	Inst.Mechanic	0	0	1	0	1	0
62	Mechanic Gr-II	0	0	1	0	1	0
63	Junior Lab Assistant	0	0	2	1	2	1
64	Blacksmith	0	0	1	0	1	0
65	Fireman	0	0	102	25	102	25
66	Asst.Lineman	0	0	8	0	8	0
67	Lineman Driver Gr.III	1	0	0	0	1	0
68	Mason	0	0	2	0	2	0
69	JPA	0	0	2491	879	2491	879
70	Cleaner	0	0	2	0	2	0
71	Blue Print Operator	0	0	1	0	1	0
72	Sanitary Maistry	0	0	6	1	6	1
	TECHNICAL TOTAL	3	2	5193	2616	5196	2618
B	NON-TECHNICAL						
1	JPO	26	4	2	0	28	4
2	SR.Assitatnt	12	1	127	99	139	100
3	Sr.Steno	0	0	1	0	1	0
4	Store.Keeper GR-I	0	0	1	0	1	0
5	Teachers (B.Ed.)	0	0	3	0	3	0
6	Telugu Pandit Grade I	0	0	1	0	1	0
7	Security Sub-Inspector	2	0	19	0	21	0
8	Security Head Guard	7	0	54	0	61	0
9	Sub Inspector of Police	0	0	2	0	2	0
10	Assistant	17	14	0	2	17	16
11	Jr.Assistant	10	15	240	130	250	145
12	LD cum TypistJr.Steno	0	0	1	0	1	0
13	Typist	21	0	53	11	74	11
14	Security guard	10	6	66	54	76	60
15	Aux Midwife	0	0	3	0	3	0
16	ANM	0	0	1	0	1	0
17	Record Assistant	7	3	13	3	20	6
18	dark Room Assistant	0	0	1	0	1	0
19	Office sub Ordinate	48	3	115	64	163	67
20	MNO/FNO	0	0	9	2	9	2
21	Thoty	0	0	1	0	1	0
22	Cook	0	0	1	0	1	0
23	Maternity Assistant/ward Asst	0	0	4	0	4	0
24	Sweeper	0	0	112	15	112	15
25	Sanitary Orderly	0	0	2	2	2	2
26	Sweeper/Gardner/Scavenger	0	0	48	5	48	5
27	Watchman	0	0	87	12	87	12
28	Gurkha Watchman(TBHES)	0	0	3	0	3	0
29	Mazdoor/Women Mazdoor	0	0	14	18	14	18
30	Ante Malarial/Sanitary Mazdoor	0	0	73	0	73	0
31	Helper/Server(Canteen)	0	0	1	1	1	1
32	Head Constable	8	0	-4	0	4	0
33	Police Constable	0	0	4	0	4	0
	TECHNICAL TOTAL	168	46	1058	418	1226	464
	T O T A L (A+B)	171	48	6251	3034	6422	3082
C	OUT SOURCING (TECHNICAL)	39	39	1596	1596	1635	1635
	T O T A L C	39	39	1596	1596	1635	1635
D	OUT SOURCING (NON-TECHNICAL)	86	86	2697	2697	2783	2783
	T O T A L D	86	86	2697	2697	2783	2783
	T O T A L (C+D)	125	125	4293	4293	4418	4418
	Grand Total	296	173	10544	7327	10840	7500

10.4a DETAILS OF OTHER THAN WORKMEN IN AP TRANSCO AS ON 31-03-2023

S.No.	Cadre	Head Qrs.		Field		Total	
		Sanctioned	Existing	Sanctioned	Existing	Sanctioned	Existing
1	2	3	4	5	6	7	8
A	TECHNICAL						
1	Executive Director	0	0	0	0	0	0
2	Chief Engineer/EI including CGM Adm(GENCO)/CE(EI,telecom,civil)	9	8	4	4	13	12
3	Superintending Engineer	10	10	27	25	37	35
4	DE / EE	57	54	123	119	180	173
5	ADE / AEE	161	157	594	583	755	740
6	AE / AAE	105	61	977	557	1082	618
7	Sub-Engineer	1	0	222	16	223	16
	T O T A L	343	290	1947	1304	2290	1594
B	NON-TECHNICAL						
1	Executive Director/Finance/General	1	1	0	0	1	1
2	FA & CCA	2	2	0	0	2	2
3	Deputy CCA	3	3	0	0	3	3
4	Senior Accounts Officer	9	7	10	7	19	14
5	Accounts Officer	15	5	11	8	26	13
6	Asst. Accounts Officer	14	14	11	11	25	25
7	Junior Accounts Officer	32	3	43	23	75	26
8	Company Secretary	1	1	0	0	1	1
9	Deputy Secretary	2	2	0	0	2	2
10	Assistant Secretary	3	3	2	2	5	5
11	Personnel Officer	18	12	19	5	37	17
12	AM(Ex-Cadre)	1	0	0	0	1	0
13	DSP(Vigilance)	1	1	0	0	1	1
14	Addl. Secretary	1	1	0	0	1	1
15	Tahasildar & Dy Tahasildar	1	1	0	0	1	1
16	Divisional .Manager(Ex-Cadre)	1	1	0	0	1	1
17	Inspector of Police (CI)	2	2	0	0	2	2
18	Sub Inspector	3	3	0	0	3	3
19	Head Constable	2	2	0	0	2	2
20	Police Constable	2	2	0	0	2	2
	TOTAL	114	66	96	56	210	122
	Grand Total	457	356	2043	1360	2500	1716

(**)

10.4b DETAILS OF WORKMEN IN AP TRANSCO AS ON 31-03-2023

S.No.	Cadre	Head Qrs.		Field		Total	
		Sanctioned	Existing	Sanctioned	Existing	Sanctioned	Existing
1	2	3	4	5	6	7	8
A	TECHNICAL						
1	Sr.Assistant	22	3	76	39	98	42
2	SK Gr-2	1	0	1	1	2	1
3	SK Gr-3	0	0	1	1	1	1
4	FM Gr-1	0	0	6	5	6	5
5	FMD Gr-1	0	0	2	1	2	1
6	WI Gr-1	0	0	1	1	1	1
7	LI	0	0	33	28	33	28
8	CF	0	0	30	21	30	21
9	CF Driver	0	0	6	2	6	2
10	FMD Gr-4	0	0	2	1	2	1
11	FMD	0	0	1	0	1	0
12	WI Gr-2	0	0	1	0	1	0
13	TI Gr-1	0	0	1	0	1	0
14	LM	0	0	206	48	206	48
15	LMD	2	0	59	4	61	4
16	JLM	1	0	1023	2	1024	2
17	Electrician	0	0	58	0	58	0
18	Fitter Gr-1	0	0	32	0	32	0
19	Tel Operator	2	0	7	0	9	0
20	Filter Optr	0	0	4	0	4	0
21	FM Gr-2	0	0	10	8	10	8
22	FMD Gr-2	0	0	3	1	3	1
23	WI	0	0	14	0	14	0
24	WI Gr-3	1	0	0	0	1	0
25	TK Gr-1	0	0	1	0	1	0
26	Syrang	0	0	1	0	1	0
27	Tester	0	0	3	0	3	0
28	ALM	1	0	83	7	84	7
29	Asst Electrn	0	0	2	0	2	0
30	Fitter	0	0	13	1	13	1
31	Fitter Gr-2	0	0	1	0	1	0
32	Plant Asst	0	0	1	0	1	0
	T O T A L	30	3	1682	171	1712	174

B	NON-TECHNICAL						
1	PRO	0	0	1	0	1	0
2	UD Steno	1	0	1	0	2	0
3	UDRI	1	0	0	0	1	0
4	Jr.Assistant	4	4	138	31	142	35
5	LD Steno	0	0	2	0	2	0
6	Typist Accts	5	1	48	1	53	2
7	JPO	41	1	15	2	56	3
8	Sports Off	1	1	0	0	1	1
9	Sr. Steno	3	0	0	0	3	0
10	Jr. Steno	3	0	0	0	3	0
11	Assistant	22	2	24	3	46	5
12	Typist P&G	17	0	15	0	32	0
13	Rec Asst	10	3	9	6	19	9
14	Roneo Opr	2	0	6	4	8	4
15	Off Subord	88	1	128	33	216	34
16	PCO	1	0	0	0	1	0
	T O T A L	199	13	387	80	586	93
C	O&M STAFF Sub-Total						
1	Mali (Pro)	1	0	0	0	1	0
2	Driver (Pro)	3	0	0	0	3	0
3	Sec Guard	29	0	0	0	29	0
4	SCF	0	0	3	1	3	1
5	SSA	0	0	1	0	1	0
6	Store Asst	0	0	3	0	3	0
7	Mason Gr-2	2	0	0	0	2	0
8	TK	0	0	10	0	10	0
9	TA	0	0	8	0	8	0
10	TK Gr-2	0	0	2	0	2	0
11	HLP CUM CLR	2	1	0	0	2	1
12	Cleaner	2	0	23	0	25	0
13	JLM Driver	0	0	2	0	2	0
14	Laskar	0	0	2	0	2	0
15	SWG/SOR	13	0	141	22	154	22
16	BPO	2	0	3	1	5	1
17	WM (O&M)	2	0	175	10	177	10
18	WM (Const)	2	0	46	0	48	0
19	Gurkha WM	0	0	2	0	2	0
20	Gunman	0	0	7	0	7	0
21	Cook Canteen	1	0	0	0	1	0
22	AstCook Canteen	1	0	0	0	1	0
23	SERV CANTEEN	0	0	1	1	1	1
	T O T A L	60	1	429	35	489	36
	T O T A L (A+B+C)	289	17	2498	286	2787	303
D	OUT SOURCING						
	Highly Skilled (Techical/ Non-Technical)	11	8	-	1895	-	1903
	Skilled (DEO)	148	129	-	2067	-	2196
	Un-Skilled (Attender/ Office Sub-ordinate)	161	146	-	1612	-	1758
	T O T A L (D)	320	283	-	5574	-	5857
	Grand Total	609	300	-	5860	-	6160

10.5a DETAILS OF OTHER THAN WORKMEN IN AP DISCOMS AS ON 31-03-2023

Sl.no	Cadre	EPDCL		CPDCL		SPDCL		AP DISCOMS Total	
		Sanctioned	Existing	Sanctioned	Existing	Sanctioned	Existing	Sanctioned	Existing
1	2	3	4	5	6	7	8	9	10
A. TECHNICAL									
1	Executive Director	0	0	0	0	0	0	0	0
2	Chief Engineer/(CGM)	9	9	5	5	7	7	21	21
3	Superintending Engineer/GM	23	23	14	14	20	20	57	57
4	DE / EE	83	83	58	57	88	86	229	226
5	ADE/Dy.EE	219	213	158	155	236	233	613	601
6	AE / AAE	567	455	394	318	643	509	1604	1282
	AE / AAE (Supernumery)	0	0	0	0	0	1	0	1
7	DGM /IT	1	0	0	0	0	0	1	0
8	Manager (CSC)	7	6	0	0	0	0	7	6
9	Sub-Engineer/JE	470	381	333	301	498	445	1301	1127
10	Drafts Man GR-1	0	0	0	0	1	1	1	1
	TOTAL(A)	1379	1170	962	850	1493	1302	3834	3322
B. NON-TECHNICAL									
1	CGM	2	2	2	2	2	2	6	6
2	GM	0	0	2	2	0	0	2	2
3	GM(Revenue/Accounts/IA/Costing/P&G)	4	4	1	1	4	4	9	9
4	GM/HRD	0	0	1	1	3	3	4	4
5	SAO	9	9	8	8	7	7	24	24
6	AO	20	20	10	10	13	13	43	43
7	AAO	58	58	46	46	73	73	177	177
8	JAO	215	172	162	134	276	204	653	510
9	DGM	0	0	3	3	7	7	10	10
10	DGM/Legal Affairs (Out Source)	0	0	0	0	0	0	0	0
11	DGM/CC (Out source)	0	0	0	0	0	0	0	0
12	JS/HRD	0	0	0	0	1	1	1	1
13	DS/GM	2	2	0	0	0	0	2	2
14	AS/DGM	5	5	0	0	0	0	5	5
15	Personnel Officer	19	13	10	6	13	12	42	31
16	Company Secretary	1	1	1	1	1	1	3	3
17	Chartered Accountat (Contract Ba	0	0	1	1	0	0	1	1
18	Public Relations Officer	1	1	0	0	1	1	2	2
19	Chief Vigilance Officer	1	1	0	0	0	0	1	1
20	Inspector of Police	5	4	0	0	0	5	5	9
21	Sub-Inspector of Police	11	11	0	0	0	13	11	24
22	Law Officer	1	1	1	1	1	1	3	3
	TOTAL (B)	354	304	248	216	402	347	1004	867
	Grand Total	1733	1474	1210	1066	1895	1649	4838	4189

10.5b DETAILS OF WORKMEN IN AP DISCOMS AS ON 31-03-2023

Sl.no	Cadre	EPDCL		CPDCL		SPDCL		AP DISCOMS Total	
		Sanctioned	Existing	Sanctioned	Existing	Sanctioned	Existing	Sanctioned	Existing
1	2	3	4	5	6	7	8	9	10
A	TECHNICAL								
1	FM GR. I	56	52	35	26	71	67	162	145
2	FM GR. II	9	9	5	2	4	2	18	13
3	FM Gr-IV	0	0	3	3	2	0	5	3
4	FM DRIVER	0	0	0	0	2	0	2	0
5	FM Construction	0	0	10	10	1	1	11	11
6	SLI	42	39	17	15	63	63	122	117
7	LI	562	555	415	410	734	717	1711	1682
8	LM	1513	1489	1247	1240	2366	2228	5126	4957
9	LM(SBO Gr.I)	0	0	2	1			2	1
10	ALM	1750	997	1623	913	2288	1069	5661	2979
11	JLM	1715	129	1202	118	2054	241	4971	488
12	SWEeper/GARDEN ER/SWG/SOR/SCG/S cavenger	258	161	125	93	0	0	383	254
13	WATCHMAN/ G.WATCHMAN	221	87	132	91	0	0	353	178
14	LMD/DRIVER/LVD	19	6	30	6	73	20	122	32
15	HELPER DR./JLMD	35	0	29	0	0	0	64	0
16	CLEANER	1	1	21	2	0	0	22	3
17	SYRANG GR.I	14	14	4	4	8	8	26	26
18	SYRANG GR.II	4	4	5	5	11	11	20	20
19	WINDER GR.I	1	1	1	1	2	2	4	4
20	WINDER GR.II	2	2	2	2	5	5	9	9
21	WINDER GR.III	2	2	2	0	0	0	4	2
22	INST. MECHANIC GR.I	9	9	8	8	17	17	34	34
23	INST. MECHANIC GR.II	11	11	15	12	17	15	43	38
24	INST. MECHANIC GR.III	1	1	0	0	0	0	1	1
25	TESTER GR.I	23	23	25	25	44	43	92	91
26	TESTER GR.II	24	21	22	21	44	40	90	82
27	FITTER GR.I	3	3	1	1	10	9	14	13
28	FITTER GR.II	3	3	0	0	0	0	3	3
29	MECHANIC	5	5	1	0	0	0	6	5
30	TELEPHONE OPERTC	1	0	0	0	0	0	1	0
31	FILTER MECHANIC	2	2	1	1	4	4	7	7
32	FILTER OPERATOR	22	22	9	9	26	23	57	54
33	LASKER	2	2	1	0	0	0	3	2
34	CARPENTER	1	1	0	0	0	0	1	1
35	Part time Contingent	2	1	0	0	0	0	2	1
36	Energy Assistants (JLM Gr.II)	2859	2722	1910	1883	0	3021	4769	7626
37	Electrician	0	0	1	1	0	0	1	1

38	Store Helper	0	0	2	2	0	0	2	2
39	Blue print Operator/BPJLM	0		1	1	0	0	1	1
40	LM (Supernumery)	0	0	0	0	0	12	0	12
41	ALM (Supernumery)	0	0	0	0	0	17	0	17
42	JLM(Supernumery)	0	0	0	0	0	34	0	34
	T O T A L	9172	6374	6907	4906	7846	7669	23925	18949
B	NON-TECHNICAL								
1	Sr. Assistant	625	606	507	500	844	827	1976	1933
2	UD Steno	1	1	2	2	1	1	4	4
3	Jr. Assistant	1178	671	944	601	1645	945	3767	2217
4	LD Steno/Jr Steno	12	0	4	0	8	0	24	0
5	TYPIST (Accounts/P&G)	74	18	88	8	0	0	162	26
7	JPO	22	22	10	5	19	19	51	46
8	Asst/ACCO	19	12	0	0	14	7	33	19
10	Record Assistant	64	48	58	49	96	77	218	174
11	RO	8	3	0	0	0	0	8	3
12	Attender / Office Sub-ordinate	309	275	206	191	409	359	924	825
13	Head Constable	11	10	0	0	0	0	11	10
14	Police Constable	22	20	0	0	0	0	22	20
15	S.K.Gr-II	0	0	1	1	0	0	1	1
16	RONEO OPERATOR	0	0	0	0	10	7	10	7
17	Watchmen	0	0	0	0	257	132	257	132
18	SCG	0	0	0	0	217	176	217	176
19	CLEANER	0	0	0	0	5	5	5	5
20	Sr Assistant (Supernum)	0	0	0	0	0	5	0	5
21	Jr Assistant (Supernum)	0	0	0	0	0	11	0	11
22	RA (Supernumery)	0	0	0	0	0	17	0	17
23	SCG (Supernumery)	0	0	0	0	0	10	0	10
24	OSO (Supernumery)	0	0	0	0	0	10	0	10
25	WM (Supernumery)	0	0	0	0	0	5	0	5
26	Laskar (Supernumery)	0	0	0	0	0	1	0	1
	T O T A L	2345	1686	1820	1357	3525	2614	7690	5657
	T O T A L (A+B)	11517	8060	8727	6263	11371	10283	31615	24606
C	OUT SOURCING (TECHNICAL)								
	Highly Skilled		13		0		24		37
	Skilled		3518		3598		6346		13462
	Semi Skilled		10		0		0		10
	T O T A L C		3541		3598		6370		13509
D	OUT SOURCING (NON-TECHNICAL)								
	Skilled		457		0		0		457
	Semi Skilled (DEO)		98		17		29		144
	Un Skilled		163		885		1482		2530
	T O T A L D		718		902		1511		3131
	T O T A L (C+D)		4259		4500		7881		16640
	Grand Total		12319		10763		18164		41246

10.6 a. Trends of Regular Employee & Employee Cost									
	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23
Employees (nos)									
AP Transco	2211	2172	2150	2108	2102	2056	2138	2068	2019
AP Genco	6200	5838	5838	5850	5735	5629	5649	5308	5429
AP EPDCL	7206	7858	7871	7648	7793	7608	9794	9614	9534
AP CPDCL	AP CPDCL was formed on 01.04.2020						7451	7548	7329
AP SPDCL	16638	16323	15895	16104	15494	15378	9631	12021	11932
TOTAL	32255	32191	31754	31710	31124	30671	34663	36559	36243
Employee Cost (Rs in Cr)									
AP Transco	497.36	269.02	302.33	362.59	444.37	621.68	1043.04 (*)	936.81	932.59
AP Genco	585.37	524.89	506.89	510.29	784.33	779.21	761.34	969.01	1082.85
AP EPDCL	492.66	536.27	555.08	579.11	816.13	840.62	879.26	820.90	972.00
AP CPDCL	AP CPDCL was formed on 01.04.2020						758.16	769.92	841.00
AP SPDCL	1121.06	1213.88	1353.17	1232.18	1704.15	2044.52	2293.75	1441.43	1609.81
TOTAL	2696.45	2544.06	2717.47	2684.17	3748.98	4286.03	5735.55	4938.07	5438.25

10.6.b. Trends of Out Sourcing Employee & Employee Cost									
	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23
Employees (nos)									
AP Transco	4223	4248	4516	4717	5007	5988	6067	5776	5857
AP Genco	2912	3807	4202	4255	4286	4354	4432	4608	4418
AP EPDCL	2876	2970	3205	3533	4010	4163	4269	4258	4259
AP CPDCL	AP CPDCL was formed on 01.04.2020						4477	4413	4500
AP SPDCL	6619	6785	6858	7014	6763	7297	6636	7801	7881
TOTAL	16630	17810	18781	19519	20066	21802	25881	26856	26915
Employee Cost (Rs in Cr)									
AP Transco	87.96	103.64	108.28	120.07	189.94	202.31	203.75	202.63	196.32
AP Genco	36.98	50.15	63.03	84.42	114.41	138.79	114.41	117.28	107.42
AP EPDCL	32.16	41.16	62.72	73.69	128.67	133.52	137.05	136.68	137.00
AP CPDCL	AP CPDCL was formed on 01.04.2020						98.64	140.96	115.00
AP SPDCL	97.35	131.04	146.17	175.64	233.92	288.92	160.78	239.52	249.00
TOTAL	254.45	325.99	380.20	453.82	666.94	763.54	714.63	837.07	804.74

* 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.

11. ALL INDIA STATISTICS

11.1 All India Region wise Installed Capacity (MW) of Power Stations as on 31-03-2023

Sl. No	Region	Sector	Thermal					Nuclear	Renewable		Total
			Coal	Lignite	Gas	Diesel	Total		Hydro	RES (MNRE)	
1	Northern	State	17885.00	250.00	2878.90	0.00	21,013.90	0.00	6008.25	737.20	27,759.35
		Private	22324.33	1080.00	558.00	0.00	23,962.33	0.00	3241.00	31,897.67	59,101.00
		Central	15248.34	250.00	2344.06	0.00	17,842.40	1620.00	11502.51	379.00	31,343.91
		SubTotal	55457.67	1580.00	5780.96	0.00	62,818.63	1620.00	20,751.76	33,013.87	1,18,204.26
2	Western	State	21290.00	900.00	2849.82	0.00	25,039.82	0.00	5,446.50	602.23	31,088.55
		Private	31562.17	500.00	4676.00	0.00	36,738.17	0.00	481.00	38,203.07	75,422.24
		Central	21610.42	0.00	3280.67	0.00	24,891.09	1840.00	1,635.00	666.30	29,032.39
		SubTotal	74462.59	1400.00	10806.49	0.00	86,669.08	1840.00	7,562.50	39,471.60	1,35,543.18
3	Southern	State	21392.50	0.00	791.98	159.96	22,344.44	0.00	11,827.48	623.08	33,962.15
		Private	13158.50	250.00	5340.24	273.70	19,022.45	0.00	0.00	49,117.94	64,904.51
		Central	12454.34	3390.00	359.58	0.00	16,203.92	3320.00	0.00	541.90	19,446.50
		SubTotal	47005.34	3640.00	6491.80	433.66	57,570.81	3320.00	11,827.48	50,282.92	1,23,001.21
4	Eastern	State	6970.00	0.00	80.00	0.00	7,050.00	0.00	3,550.22	278.11	10,895.33
		Private	5553.00	0.00	0.00	0.00	5,553.00	0.00	209.00	1,525.07	7,222.21
		Central	15176.70	0.00	0.00	0.00	15,176.70	0.00	1,005.20	10.00	16,248.88
		SubTotal	27699.70	0.00	80.00	0.00	27,779.70	0.00	4,764.42	1,813.18	34,357.30
5	N.Eastern	State	0.00	0.00	411.36	36.00	447.36	0.00	422.00	246.25	1,157.60
		Private	0.00	0.00	0.00	0.00	0.00	0.00	0.00	263.56	210.30
		Central	610.20	0.00	1253.60	0.00	1,863.80	0.00	1,522.01	30.00	3,575.62
		SubTotal	610.20	0.00	1664.96	36.00	2,311.16	0.00	1,944.01	539.81	4,794.98
6	Island	State	0.00	0.00	0.00	84.35	84.35	0.00	0.00	5.25	45.30
		Private	0.00	0.00	0.00	35.19	35.19	0.00	0.00	28.08	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	119.54	119.54	0.00	0.00	38.43	157.97
7	All India	State	67537.50	1150.00	7012.06	280.31	75979.87	0.00	27254.45	2492.11	105726.43
		Private	72598.00	1830.00	10574.24	308.89	85311.14	0.00	3931.00	121035.39	210277.53
		Central	65100.00	3640.00	7237.91	0.00	75977.91	6780.00	15664.72	1632.30	100054.93
		Total	2,05,235.50	6,620.00	24,824.21	589.20	2,37,268.92	6,780.00	46,850.17	1,25,159.80	4,16,058.89

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
22	2021-22	19.27

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
22	2022-23	64.15

* Coal and Lignite based

Plan Wise Capacity Addition Targets and achievements during Various Plans			
Sl.No	Plan Period	Target	Achievement
1	1 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	1 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
30	2022-23	8830	1580

Figures in MW

Source : CEA Report - Executive Summary on Power Sector for the month of March-23

11.4 Growth of Transmission sector (As on 31-03-2023)		
Sl.No	Transmission lines	Total CKM
1	765 kV	52,678
2	400 kV	1,97,750
3	220kV	2,01,538
4	HVDC Lines	19,087
TOTAL		4,71,053

Sl.No	Sub-Station (MVA)	Total MVA
1	765 kV	2,76,700
2	400 kV	4,26,348
3	220kV	4,43,804
4	HVDC	34,500
TOTAL		11,81,352

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
21	2021-22	597464	100.00	2,66,71,275

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

Source: www.cea.nic.in

11.6 PEAK DEMAND AND DEFICIT
Year 2022-23

State	Peak demand (MW)	Peak met (MW)	Surplus/Deficit (MW)	Surplus/Deficit (%)
Chandigarh	204	204	0	0.0
Delhi	3,979	3979	0	0.0
Haryana	7732	7732	0	0.0
Himachal Pradesh	1922	1922	0	0.0
UT of J&K and Ladakh	2859	2859	0	0.0
Punjab	8840	8840	0	0.0
Rajasthan	15833	15637	196	1.2
Uttar Pradesh	19572	19572	0	0.0
Uttarakhand	2185	2185	0	0.0
Northern Region	56200	56004	196	0.3
Chattisgarh	5399	5399	0	0.0
Gujarat	19464	19464	0	0.0
Madhya Pradesh	14298	14298	0	0.0
Maharashtra	28566	28566	0	0.0
Daman & Diu & Dadar Nagar Hav	1272	1272	0	0.0
Goa	718	718	0	0.0
Western Region	70133	70133	0	0.0
Andhra Pradesh	12181	12181	0	0.0
Telangana	15497	15497	0	0.0
Karnataka	15828	15828	0	0.0
Kerala	4504	4504	0	0.0
Tamil Nadu	17729	17724	5	0.0
Pondicherry	445	441	4	0.9
Lakshadweep #	12	12	0	0.0
Southern Region	64337	64337	0	0.0
Bihar	5303	5303	0	0.0
Damodar Valley Corporation	3335	3335	0	0.0
Jharkhand	1478	1478	0	0.0
Orissa	5624	5624	0	0.0
West Bengal	8491	8491	0	0.0
Sikkim	115	115	0	0.0
Andaman-Nicobar #	59	59	0	0.0
Eastern Region	23187	23187	0	0.0
Arunachal Pradesh	172	172	0	0.0
Assam	1670	1670	0	0.0
Manipur	212	212	0	0.0
Meghalaya	374	374	0	0.0
Mizoram	129	129	0	0.0
Nagaland	156	156	0	0.0
Tripura*	264	264	0	0.0
North -Eastern Region	2915	2915	0	0.0
All India	209206	209017	189	0.09

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

11.7 POWER SUPPLY AND SHORTAGES

Year :2022-23 up to Mar-23

State	Requirement (MU)	Availability (MU)	Surplus/Deficit (MU)	Surplus/Deficit (%)
Chandigarh	1788	1788	0	0.0
Delhi	35143	35133	-10	0.0
Haryana	61451	60945	-506	-0.8
Himachal Pradesh	12649	12542	-107	-0.8
Jammu & Kashmir	19639	19322	-317	-1.6
Punjab	69522	69220	-302	-0.4
Rajasthan	101801	100057	-1744	-1.7
Uttar Pradesh	144251	143050	-1201	-0.8
Uttarakhand	15647	15386	-261	-1.7
Others	1196	1196	0	0.0
Northern Region	463087	458639	-4448	-1.0
Chattisgarh	39051	38979	-72	-0.2
Gujarat	137960	137916	-44	0.0
Madhya Pradesh	92326	91969	-357	-0.4
Maharashtra	186573	186461	-112	-0.1
Goa	4674	4674	0	0.0
Dadar Nagar Haveli & Daman & Diu	9960	9960	0	0.0
Others	5199	5199	0	0.0
Western Region	475743	475158	-585	-0.1
Andhra Pradesh	72302	71893	-409	-0.6
Telangana	77832	77799	-33	0.0
Karnataka	75688	75663	-25	0.0
Kerala	27747	27726	-21	-0.1
Tamil Nadu	114798	114722	-76	-0.1
Pondicherry	3051	3050	-1	0.0
Lakshadweep #	64	64	0	0.0
Others	48	48	0	0.0
Southern Region	371530	370965	-565	-0.2
Bihar	39545	38762	-783	-2.0
Damodar Valley Corporation	26339	26330	-9	0.0
Jharkhand	13278	12288	-990	-7.5
Orissa	42631	42584	-47	-0.1
West Bengal	60348	60274	-74	-0.1
Sikkim	587	587	0	0.0
Andaman-Nicobar #	348	348	0	0.0
Others	63	63	0	0.0
Eastern Region	183139	181236	-1903	-1.0
Arunachal Pradesh	915	892	-23	-2.5
Assam	11465	11465	0	0.0
Manipur	1014	1014	0	0.0
Meghalaya	2237	2237	0	0.0
Mizoram	645	645	0	0.0
Nagaland	926	873	-53	-5.7
Tripura	1547	1547	0	0.0
Others	8	8	0	0.0
North-Eastern Region	18757	18681	-76	-0.4
All India	1512256	1504679	-7577	-0.5

#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)

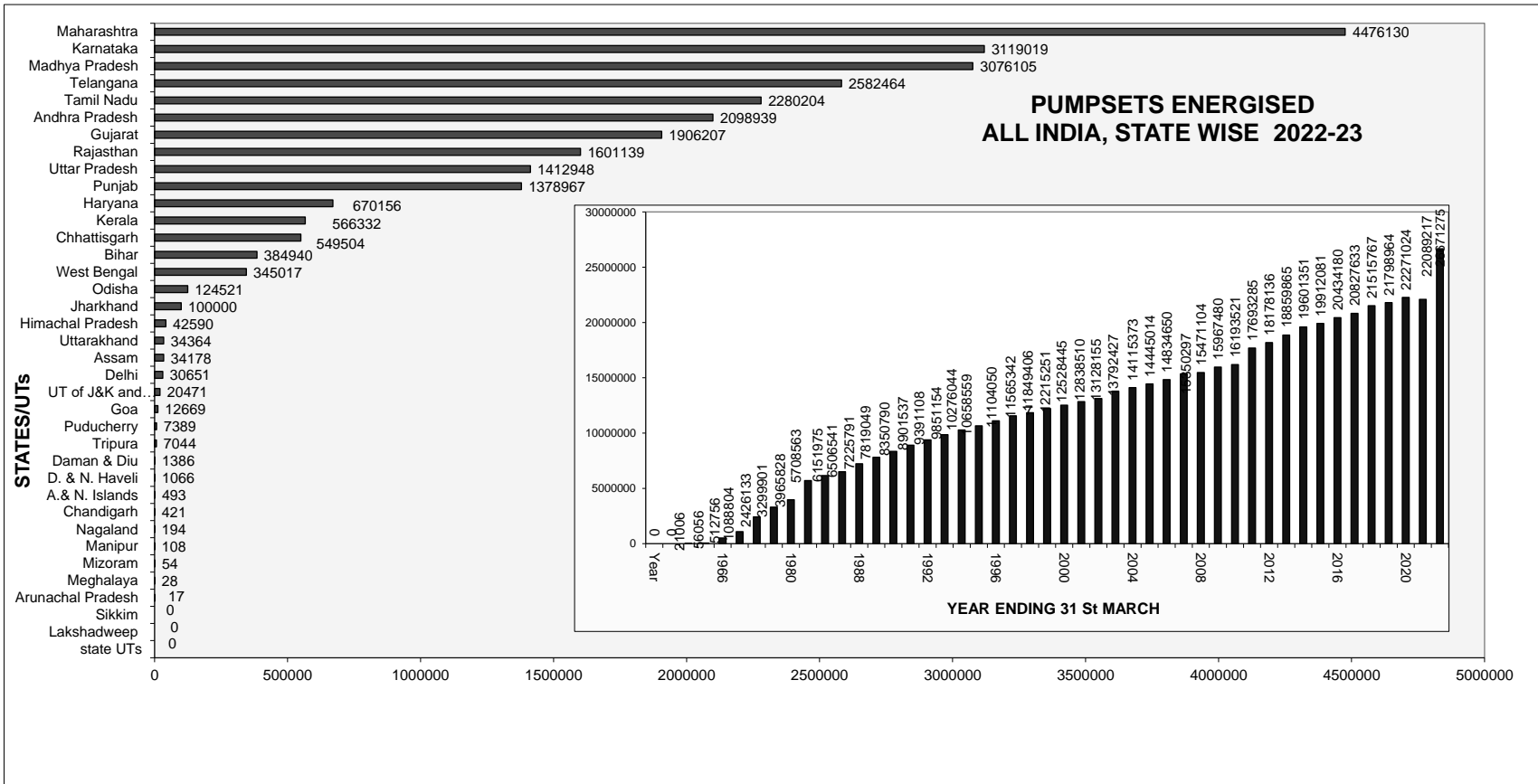
Sl.No	Country	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
1	Canada	16766	16995	17053	15467	15145	16406	15558	15520	15544	15188	14844	14273	15438	15018	14760
2	USA	13515	13616	13647	12884	13361	13227	12947	12987	12962	12833	12825	12573	13098	12744	12450
3	Australia	11309	11216	11174	11038	10063	10514	10218	10067	10002	9892	9911	9774	9906	9897	9890
4	Japan	8220	8475	8072	7833	8399	7847	7753	7836	7829	7865	7974	8111	8010	7935	7730
5	France	7585	7573	7703	7494	7756	7318	7367	7382	6955	7043	7148	7209	7141	7043	6630
6	Germany	7175	7185	7148	6781	7217	7083	7138	7022	7035	7015	6956	6947	6848	6606	6330
7	Korea	8063	8502	8853	8980	9851	10162	10346	10428	10564	10558	10618	10564	11082	10878	10810
8	UK	6192	6142	6067	5693	5741	5518	5452	5409	5131	5082	5033	4951	4906	4750	4150
9	Russia	6122	6338	6443	6133	6460	6533	6602	6562	6603	6588	6715	6771	6917	6954	6590
10	Italy	5762	5718	5656	5271	5384	5393	5277	5124	5002	5099	5081	5202	5220	5207	4970
11	South Africa	4810	5013	4770	4532	4803	4694	4410	4328	4240	4148	4031	4004	3957	3835	3540
12	Brazil	6060	2154	2232	2201	2384	2441	2509	2583	2578	2516	2504	2521	2570	2585	2540
13	China	2040	2346	2471	2648	2942	3298	3475	3766	3927	4047	4279	4546	4906	5119	5260
14	India	717	734	779	779	884	819	884	957	1010	1075	1122	1149	1181	1208	1161
15	World	2659	2752	2782	2730	2892	2933	2972	3026	3030	3052	3110	3152	3081	3260	3210

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

Sl.No	Country	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
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	3.3
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	5.1
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	5.39
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	6.31
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	5.16
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	13.69
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	8.73
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	4.74
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	5.24
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	6.29
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	9.38
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	12.75
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	20.76
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	20.73
	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	7.53

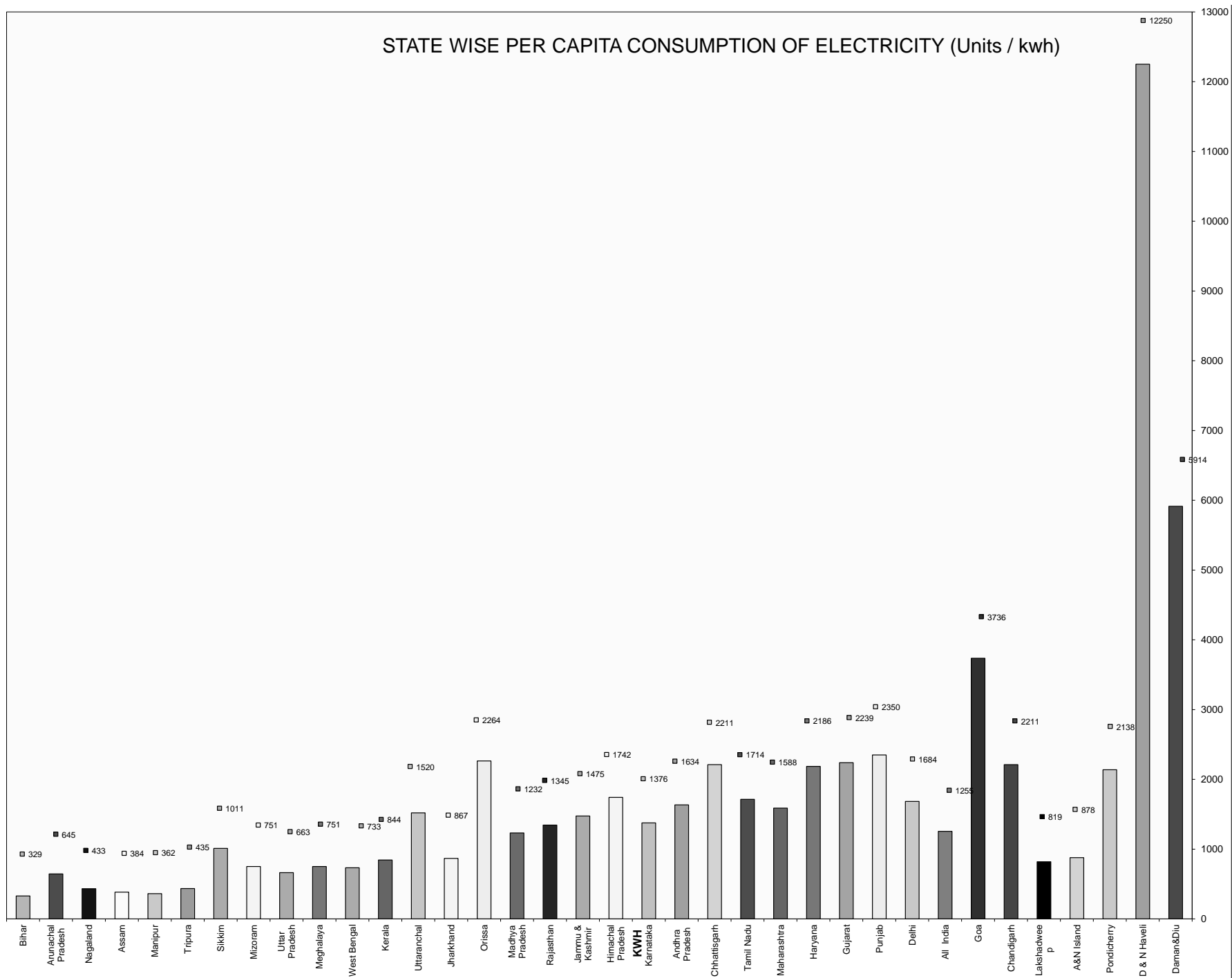
Source : CEA

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



STATE WISE PER CAPITA CONSUMPTION OF ELECTRICITY (Units / kwh)

STATES



APPENDIX - I
SYSTEM DEMAND AND LOAD FACTORS OF A.P.GRID FOR THE YEAR
2022-23

Sl. No.	Month	Demand Met in MU	Maximum Demand Met in MW	Load factor in %
1	Apr-22	6,380	12293	72.09
2	May-22	6,087	11218	72.94
3	Jun-22	6,177	11484	74.71
4	Jul-22	5,761	9763	79.31
5	Aug-22	6,147	11299	73.12
6	Sep-22	6,031	10920	76.71
7	Oct-22	5,556	9847	75.85
8	Nov-22	5,519	9588	79.94
9	Dec-22	5,604	10268	73.36
10	Jan-23	6,184	11433	72.70
11	Feb-23	6,237	11981	77.48
12	Mar-23	6,782	12227	74.55
TOTAL / MAX		72,465	12293	

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
58.	2022-23	12293	2.17	63824840000	9.00

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
57	31.03.2023	290793	320567	611360	104398

* Residual AP from 2014-15 onwards

APPENDIX -IV as on 31-3-2023

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	8	4000.00							8	4000.00
315.00	37	11655.00							37	11655.00
160.00	2	320.00	43	6880.00					45	7200.00
100.00	4	400.00	133	13300.00					137	13700.00
80.00			11	880.00	12	960.00			23	1840.00
60.00				0.00					0	0.00
50.00			80	4000.00	126	6300.00			206	10300.00
40.00					2	80.00			2	80.00
31.50			72	2268.00	244	7686.00			316	9954.00
30.00					0	0.00			0	0.00
25.00			31	775.00	7	175.00			38	950.00
20.00						0.00			0	0.00
16.00			10	160.00	121	1936.00			131	2096.00
15.00			1	15.00	6	90.00			7	105.00
12.50							21	245.00	21	262.50
10.00						0.00	502	4122.00	502	5020.00
8.00							972	7775.50	972	7776.00
7.50							2719	13595.00	2719	20392.50
5.00							1059	5024.90	1059	5295.00
3.15							54	169.35	54	170.10
3.00							1	1.60	1	3.00
1.60							2	3.00	2	3.20
1.50							0	0.00	0	0.00
0.50							0	0.00	0	0.00
	51	16375.00	381	28278.00	518	17227.00	5330	30936.35	6280	100802.30

APPENDIX -V Voltage wise as on 31-3-2023

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	8	4000.00															8	4000.00
315.00	37	11655.00															37	11655.00
160.00	2	320.00	43	6880.00													45	7200.00
100.00	4	400.00	133	13300.00													137	13700.00
80.00					2	160.00					21	1680.00					23	1840.00
60.00																	0	0.00
50.00					14	700.00	4	200.00			188	9400.00					206	10300.00
40.00									2	80.00							2	80.00
31.50					9	283.50	6	189.00			301	9481.50					316	9954.00
30.00																	0	0.00
25.00							28	700.00			8	200.00	2	50.00			38	950.00
16.00											128	2048.00	3	48.00			131	2096.00
15.00											7	105.00					7	105.00
12.50															21	245.0	21	262.50
10.00															502	4122.0	502	5020.00
8.00															972	7775.5	972	7776.00
7.50															2719	13595.0	2719	20392.50
5.00															1059	5024.9	1059	5295.00
3.15															54	169.4	54	170.10
3.00															1	1.6	1	3.00
1.60															2	3.0	2	3.20
1.50															0	0.0	0	0.00
0.50															0	0.0	0	0.00
	51	16375.00	176	20180.00	25	1143.50	38	1089.00	2	80.00	653	22914.50	5	98	5330	30936	6280	100802.30

APPENDIX - VI DISTRIBUTION TRANSFORMERS AS ON 31-3-2023

Sl. No	Name of the Circle	Quantity in Numbers (Capacity wise kVA) 1-Phase																												Total Nos.	Total Capacity in KVA					
		1500	1000	750	630	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	0	3	0	10	6	318	5	0	2447	7	2678	26	1466	3446	5409	0	15821	702848	0	0	76	2392	6876	11	4	9359	143442	25180	846290
2	Vizianagaram	0	0	0	0	0	3	2	20	0	19	3	516	0	0	3073	11	3377	32	1490	4346	6228	0	19120	886884	0	0	0	1864	5080	83	7	7034	106889	26154	993773
3	Visakhapatnam	0	0	0	0	0	648	2	764	0	87	4	2842	5	0	9387	20	5974	33	3959	6379	12301	0	42405	2876343	0	0	0	0	7534	111	39	7684	114315	50089	2990658
4	East Godavari	0	0	0	0	0	26	0	92	0	93	9	1725	7	0	10509	76	7583	183	8658	13063	15203	565	57792	2812177	0	0	0	7205	13949	347	46	21547	328215	79339	3140392
5	West Godavari	0	0	0	0	0	14	6	80	0	66	14	1614	5	0	10025	57	11208	169	19721	30563	25650	3	99195	3997579	0	0	0	5378	12197	186	97	17858	271348	117053	4268927
	EPDCL Total	0	0	0	0	0	691	10	959	0	275	36	7015	22	0	35441	171	30820	443	35294	57797	64791	568	234333	11275831	0	0	76	16839	45636	738	193	63482	964209	297815	12240040
6	Krishna	0	0	0	0	0	15	0	715	0	250	18	3047	0	0	12574	114	10379	292	612	37592	9048	0	74656	3829820	0	30	48	4470	12593	232	540	17913	268135	92569	4097955
7	Guntur	0	0	0	0	0	56	0	360	1	188	14	1527	2	0	8052	66	5267	147	279	34277	12917	0	63153	2660198	0	0	0	0	10910	80	250	11240	165700	74393	2825898
	CRDA	1	4	0	0	0	23	0	198	0	45	3	423	1	1	2112	27	1162	35	43	1839	1431	0	7348	517947	0	0	0	0	2523	22	65	2610	38390	9958	556337
8	Ongole	0	1	0	0	0	15	9	127	0	83	12	810	1	1	6551	22	5041	19	106	59211	16961	525	89495	2944179	0	0	57	3859	10303	362	405	14986	223359	104481	3167538
	CPDCL Total	1	5	0	0	0	109	9	1400	1	566	47	5807	4	2	29289	229	21849	493	1040	132919	40357	525	234652	9952144	0	30	105	8329	36329	696	1260	46749	695584	281401	10647728
9	Nellore	0	1	0	0	0	12	3	287	0	154	14	1317		0	8079	13	7075	27	162	37109	27146	1535	82934	2998141	5	10	177	2752	11281	326	551	15102	225062	98036	3223203
10	Tirupati	0	12	0	49	0	40	2	414	0	123	17	1175	1	0	5693	43	2564	33	191	76298	36996	12772	136423	3850693	1	9	52	2769	15002	1278	567	19678	286774	156101	4137467
11	Kadapa	0	0	0	0	0	10	1	100	0	89	6	755	3	0	4864	6	2091	23	289	73571	44313	955	127076	3375501	2	11	179	3415	9195	503	435	13740	204945	140816	3580446
12	Anantapur	0	0	0	0	0	8		65	0	42	9	815		0	6111	84	3559	169	57	124534	33156	13	168622	4663563		3	1000	2614	8827	4873	1	17318	248114	185940	4911677
13	Kurnool	0	0	0	0	0	3	1	146	0	61	13	1269		0	5320	12	4293	77	148	69454	11737		92534	3006051	5	13	1562	2139	8314	4389	4	16426	242919	108960	3248970
	SPDCL Total	0	13	0	49	3	73	7	1012	0	469	59	5331	4	0	30067	158	19582	329	847	380966	153348	15275	607589	17893949	13	46	2970	13689	52619	11369	1558	82264	1207314	689853	19101763
	STATE TOTAL	1	18	0	49	3	873	26	3371	1	1310	142	18153	30	2	94797	558	72251	1265	37181	571682	258496	16368	1076574	39123724	13	76	3151	38857	134584	12803	3011	192495	2867107	1269069	41989531

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
56.	31.03.2023	1269069	41989531	898

* From 2015 the data is for Residual AP

APPENDIX - VIII

SERVICES AND CONNECTED LOAD AS ON 31-03-2023 (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 2022-23	Nos.	19611	7114	66	728	2735	30254	39	30293
b)	Services as on 31-03-2023	Nos.	785651	75729	2790	21971	32200	918341	480	918821
c)	Connected Load as on 31-03-2023	KW	445309	130176.20	76412	33112.92	109035.43	794046	231174	1025220
2	VIZIANAGARAM									
a)	Services released during 2022-23	Nos.	16341	6017	41	674	2925	25998	40	26038
b)	Services as on 31-03-2023	Nos.	671582	68821	2753	15293	52561	811010	356	811366
c)	Connected Load as on 31-03-2023	KW	580739	135257.56	56220	27869.74	150267.47	950354	499022	1449376
3	VISAKHAPATNAM									
a)	Services released during 2022-23	Nos.	41950	12023	73	509	1442	55997	139	56136
b)	Services as on 31-03-2023	Nos.	1491412	168188	4708	30417	48930	1743655	1678	1745333
c)	Connected Load as on 31-03-2023	KW	2138631	505766.07	106989	66885.14	183225.97	3001497	1707700	4709197
4	EAST GODAVARI									
a)	Services released during 2022-23	Nos.	47366	14320	109	546	1909	64250	95	64345
b)	Services as on 31-03-2023	Nos.	1622899	188616	6334	37136	53426	1908411	1243	1909654
c)	Connected Load as on 31-03-2023	KW	1651576	390489.12	144461	72225.62	652711.93	2911464	713735	3625199
5	WEST GODAVARI									
a)	Services released during 2022-23	Nos.	41416	10664	91	515	2373	55059	67	55126
b)	Services as on 31-03-2023	Nos.	1252588	152692	4550	29587	107581	1546998	927	1547925
c)	Connected Load as on 31-03-2023	KW	1464301	322624.94	119021	66916.12	1568757.42	3541621	601456	4143077
TOTAL EPDCL										
a)	Services released during 2022-23	Nos.	166684	50138	380	2972	11384	231558	380	231938
b)	Services as on 31-03-2023	Nos.	5824132	654046	21135	134404	294698	6928415	4684	6933099
c)	Connected Load as on 31-03-2023	KW	6280555	1484314	503104	267010	2663998	11198981	3753087	14952068
6	KRISHNA									
a)	Services released during 2022-23	Nos.	41041	11030	472	1469	8897	62909	166	63075
b)	Services as on 31-03-2023	Nos.	1467029	184509	7105	27210	133879	1819732	1658	1821390
c)	Connected Load as on 31-03-2023	KW	2643867	692144	446519	111788	1791176	5685494	699211	6384706
7	GUNTUR									
a)	Services released during 2022-23	Nos.	49619	12714	503	2449	5165	70450	137	70587
b)	Services as on 31-03-2023	Nos.	1582340	180037	6538	27529	127203	1923647	1737	1925384
c)	Connected Load as on 31-03-2023	KW	2260889	578057	520290	100071	1142164	4601472	836651	5438122
8	PRAKASAM									
a)	Services released during 2022-23	Nos.	29539	7561	543	1335	19734	58712	121	58833
b)	Services as on 31-03-2023	Nos.	992339	98175	5756	18926	205232	1320428	1149	1321577
c)	Connected Load as on 31-03-2023	KW	1096405	270216	452768	64698	1926906	3810993	430496	4241488
TOTAL CPDCL										
a)	Services released during 2022-23	Nos.	120199	31305	1518	5253	33796	192071	424	192495
b)	Services as on 31-03-2023	Nos.	4041708	462721	19399	73665	466314	5063807	4544	5068351
c)	Connected Load as on 31-03-2023	KW	6001161	1540417	1419577	276557	4860247	14097959	1966358	16064317

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 2022-23	Nos.	30975	6335	137	487	11076	48372	68	48440
b)	Services as on 31-03-2023	Nos.	1163135	126422	8686	29982	248054	1576279	1115	1577394
c)	Connected Load as on 31-03-2023	KW	1163651	543319	217762	239542	1720039	3884313	655383	4539695
10	CHITTOOR									
a)	Services released during 2022-23	Nos.	40524	8106	385	645	16273	66946	133	67079
b)	Services as on 31-03-2023	Nos.	1375785	161979	21198	46742	349488	1955192	1892	1957084
c)	Connected Load as on 31-03-2023	KW	1708414	762228	335556	380959	2263946	5451103	1095197	6546300
11	KADAPA									
a)	Services released during 2022-23	Nos.	22213	4706	252	702	12119	39209	63	39272
b)	Services as on 31-03-2023	Nos.	941715	103100	7498	30630	181666	1264609	829	1265438
c)	Connected Load as on 31-03-2023	KW	978529	439101	206461	242300	1563448	3429839	491130	3920969
12	ANANTAPUR									
a)	Services released during 2022-23	Nos.	30378	9764	414	449	18566	52471	66	52537
b)	Services as on 31-03-2023	Nos.	1278193	137920	15467	29944	343973	1805497	1137	1806634
c)	Connected Load as on 31-03-2023	KW	747505	670431	297783	286216	2421500	4423434	1007739	5431173.64
13	KURNOOL									
a)	Services released during 2022-23	Nos.	34251	9983	158	597	21006	62686	53	62739
b)	Services as on 31-03-2023	Nos.	1224150	142584	11078	25652	214746	1618210	979	1619189
c)	Connected Load as on 31-03-2023	KW	754891	669559	328990	274974	1332920	3361334	939263	4300597
TOTAL (SPDCL)										
a)	Services released during 2022-23	Nos.	158341	38894	1344	2880	79040	269682	383	270065
b)	Services as on 31-03-2023	Nos.	5982978	672005	63927	162950	1337927	8219787	5952	8225739
c)	Connected Load as on 31-03-2023	KW	5352991	3084637	1386552	1423991	9301853	20550024	4188711	24738735
TOTAL FOR A.P.STATE										
a)	Services released during 2022-23	Nos.	445224	120337	3242	11105	124220	693311	1187	694498
b)	Services as on 31-03-2023	Nos.	15848818	1788772	104461	371019	2098939	20212009	15180	20227189
c)	Connected Load as on 31-03-2023	KW	17634708	6109368	3309233	1967557	16826098	45846963	9908156	55755119

APPENDIX IX- CATEGORY-WISE SERVICES AS ON 31.3.2023
(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	785651	75729	2790	21971	32200	918341	480	918821
2	VIZIANAGARAM	671582	68821	2753	15293	52561	811010	356	811366
3	VISAKHAPATNAM	1491412	168188	4708	30417	48930	1743655	1678	1745333
4	EAST GODAVARI	1622899	188616	6334	37136	53426	1908411	1243	1909654
5	WEST GODAVARI	1252588	152692	4550	29587	107581	1546998	927	1547925
TOTAL APEPDCL		5824132	654046	21135	134404	294698	6928415	4684	6933099
6	KRISHNA	1467029	184509	7105	27210	133879	1819732	1658	1821390
7	GUNTUR	1582340	180037	6538	27529	127203	1923647	1737	1925384
8	PRAKASAM	992339	98175	5756	18926	205232	1320428	1149	1321577
TOTAL APCPDCL		4041708	462721	19399	73665	466314	5063807	4544	5068351
9	NELLORE	1163135	126422	8686	29982	248054	1576279	1115	1577394
10	CHITTOOR	1375785	161979	21198	46742	349488	1955192	1892	1957084
11	KADAPA	941715	103100	7498	30630	181666	1264609	829	1265438
12	ANANTAPUR	1278193	137920	15467	29944	343973	1805497	1137	1806634
13	KURNOOL	1224150	142584	11078	25652	214746	1618210	979	1619189
TOTAL APSPDCL		5982978	672005	63927	162950	1337927	8219787	5952	8225739
TOTAL FOR A.P.STATE		15848818	1788772	104461	371019	2098939	20212009	15180	20227189

APPENDIX -X
DISCOM - WISE ENERGY SALES
DURING 2022-23 (MU) LT & HT

Category	Units (MU)	Revenue Realised (Rs. Crs)	Average Realisation Rs./kwh
LT			
Domestic	17318.86	7904.26	4.56
Non-domestic	3437.53	3658.00	10.64
Industrial	1514.66	1316.86	8.69
Institutional/STLs CAT.IV	1575.01	1363.14	8.65
Agriculture, LIS , Aqua, Poultry etc.,	13843.34	10042.50	7.25
Total LT	37689.39	24284.76	6.44
HT			
Towships & Colonies CAT.I	60.99	48.23	7.91
Commercial Cat.II & Others	1828.45	1931.43	10.56
General Industries - Cat.III	20006.27	14319.45	7.16
Institutional (Religious,Rly.,PWS) Cat.IV	2752.03	2227.40	8.09
Agriculture	1051.78	735.28	6.99
RESCOs	435.93	35.54	0.82
Total HT	26135.45	19297.35	7.38
Total LT + HT	63824.84	43582.11	6.83

APPENDIX XI

Percapita consumption All figures in Kwh (Units)

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

Sl. No	District	2021-22				2022-23			
		Domestic	Agricultural	Industrial (Including cottage and H.T)	All Categories	Domestic	Agricultural	Industrial (Including cottage and H.T)	All Categories
1	Srikakulam	242	35	160	609	244	41	223	650
2	Vizianagaram	248	65	725	1182	251	59	934	1399
3	Visakhapatnam	432	49	1097	1978	432	46	1384	2236
4	East Godavari	394	221	212	979	397	215	288	1076
5	West Godavari	411	710	335	1632	414	686	332	1610
6	Krishna	522	152	260	1356	368	231	625	1439
7	Guntur	473	136	362	1212	399	134	266	934
8	Prakasam	342	106	294	947	281	305	224	740
9	Nellore	410	439	531	1443	402	379	605	1459
10	Chittoor	291	339	609	1411	288	327	689	1482
11	Cuddapah	309	437	354	1153	260	427	368	1108
12	Anantapur	224	591	509	1369	222	567	638	1477
13	Kurnool	262	440	263	1012	316	380	488	1245

APPENDIX - XII

SCHEMewise CAPITAL OUTLAY - APTRANSCO FOR FY 2022-23			(Rs. in Crores)
Sl.No.	Scheme Code	Description	Approved Amount
Sl. No.	Scheme Code	Description	Approved Amount
1	SI-16-05	132/33KV GIS SS at Moghalrajpuram	27.03
2	AG-22-05	Augumentation of PTRs TOO.Ms.No.2417, Dt.07.04.22.	
3	AG-22-06	Augumentation of PTRs TOO.MS.NO.2413, Dt.06.04.22	
4	AG-22-09	Augumentation of PTRs TOO.MS.NO.2445, Dt.09.05.22	
5	AG-22-07	Augumentation of PTRs TOO.MS.NO.2442, Dt.04.05.22	
6	SI-11-01	132/33KV G.Chodavaram SS & Lines	
7	AG-18-01	Augumentation of PTRs at 10 Nos. SSs, MS.No.747	
8	SI-21-06	LILO of 220KV SS-Kakinada line to Parawada	443.76
9	SI-20-10	33KV features at 220/132 KV Timmapuram SS	
10	SI-20-09	33KV feature at 132/11 KV Bandlavandlapalli	
11	SI-20-07	33KV features at 220KV SS Tirumalayapalli	
12	SI-20-06	33 KV features at 220 KV SS P.Mamilla	
13	SI-20-03	Erection of Galiveedu 132 KV SS in Kadapa DIS	
14	SI-19-12	132/33 kV SS at Ramanakkapeta in Krishna	
15	SI-19-11	220/132/33 kV SS at Tiruvuru in krishna	
16	SI-19-10	Erection of 125 MVAR 400KV Bus Reactors	
17	SI-19-09	132kV DC XLPE UG CBL 220kV- 132kV Ongole	
18	SI-19-08	132/33KV SS at T.Narsapuram & Lines	175.79
19	SI-19-07	132/33KV SS at Nallacheruvupalli in Kadapa	
20	SI-15-25	400KV SS at Rachaganeri & other EHT SS	
21	SI-17-17	Erection of 220kV & 132kV SS under VCIC	
22	SI-16-11	Erection of 132/33 KV SS T.Sundupalli	
23	AG-16-06	Augumentation of PTR capacity at EHT SS, MS.NO.359	
24	SI-16-18	132/33KV SS at satellite city Kadapa	
25	AG-16-13	Augumentation PTRs at 4nos SS- KDP ZONE-WB 363,18.01.17	21.86
26	AG-16-08	Augumentation OF PTR capacity at EHT SS, MS.NO.362	
27	LI-19-01	Uninterrupted power supply to LIS in kurnool	
28	LI-12-04	HNSS PH-II Madakasira BC ATP DIST- BL	
29	LI-12-03	HNSS PH-II Madakasira BR CNL ATP-DST DC	
30	LI-12-01	Extension of supply HNSS PH-II PNGR BC,ATP BL	
31	LI-11-01	Extension of 33KV SUP TO HNSS PH-II CTR-DST BL	
32	LI-08-01	Extension of supply AVR HNSS Muchumarri BL	57.31
33	DC-22-07	Modification of 132KV LN in Kurnool-RLY Clearance	
34	DC-20-06	Extension of HT SUP(33KV) TO M/s IOCL,RJM	
35	DC-20-03	Diversion of 220KV&132KVLN-DRDO-Kurnool	
36	DC-19-04	Modification of LN for RLY Nadikudi - Srikalahasti	
37	BL-19-05	Extention of EHT SUP-10MVA-RTSS Veldurthy	
38	BL-19-04	Extension of EHT SUP-CMD-6MVA-RT SS Kurabalakota	
39	BL-19-03	Extension of EHT SUP-CMD-6MVA-RTSS Koilakuntla	
40	BL-19-01	Extension of 132KV SUP-CMD 6MVA-RTSS Rayadurg	
41	BL-18-02	Extension of EHT supply-8MVA-RTSS Tanuku	
42	BL-17-02	Extension of supply to KIA motors in ATP dist	175.79
43	SI-15-25	400KV SS at Rachagunneri & other EHT SS	
44	SI-17-17	Erec. of 220kV&132kV SS under VCIC	
45	SI-16-11	Extension of 132/33 KV SS T.Sundupalli	
46	AG-16-06	Augumentation of PTR capacity at EHT SS, MS.NO.359	
47	SI-16-18	132/33KV SS at satellite city Kadapa	
48	AG-16-13	Augumentation PTRs 4 SSs- KDP ZONE-WB 363,18.01.17	
49	AG-16-08	Augumentation of PTR capacity at EHT SS, MS.NO.362	443.76
50		Schemes under REC funding	
51		Schemes under DC / Bulk Loads Works (Lift Irrigation)	
52		Schemes under DC / Bulk Loads Works (Construction)	
53		Schemes under PFC funding	
54		Schemes under Govt. funding	202.82
		Total	752.78

Appendix - XIII
CONSOLIDATED BALANCE SHEET (T+D(EPDCL+SPDCL & CPDCL))
CONSOLIDATED BALANCE SHEET FOR THE YEAR 2022-23

(Rs. in Crores)

Schedule Note	Transco	EPDCL	SPDCL	CPDCL	As at 31st march 2023
NET ASSETS :					
Net Fixed Assets					
Gross Block	16074.71	8340.33	15509.49	9301.51	49226.04
Less: Accumulated Depreciation	(7295.56)	(2504.73)	(8198.86)	(4361.68)	-22360.83
Net Fixed Assets	8779.15	5835.59	7310.63	4939.83	26865.20
Capital Expenditure in progress	2792.85	551.80	3067.26	1635.92	8047.83
Asset not in use					0.00
Deferred Costs/ Deferred Tax Asset	0.00	0.00	0.00	0.00	0.00
Intangible Assets	516.67	1.48	461.01	16.19	995.35
Investments	118.17	232.69	184.55	105.17	640.58
Net Current Assets					0.00
Total Current Assets	4571.59	15072.41	23229.58	8634.80	51508.38
Less: Total Current Liabilities					0.00
Security Deposits from Consumers	0.00	2620.09	2372.74	0.00	4992.83
Other Current Liabilities	2429.54	6269.36	7028.04	7907.24	23634.19
Total Current Liabilities	2429.54	8889.45	9400.78	7907.24	28627.02
Net Current Assets	2142.05	6182.96	13828.80	727.56	22881.37
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 :	14348.89	12804.53	24852.25	7424.67	59430.34
FINANCED BY:					
Borrowings for working capital	993.73	3394.88	6436.43	1708.88	12533.91
Payments due on Capital Liabilities	0.00	0.00	0.00	0.00	0.00
Capital Liabilities					0.00
Long term Provisions	2033.21	898.37	3398.74	1163.52	7493.84
Other Long term Liabilities	5034.04	8588.23	24147.28	10146.35	47915.91
Funds from State Government/grants	629.25	160.65	9.48	0.00	799.38
GOAP equity	454.44	121.23	358.72	0.10	934.49
towards cost of Capital Assets	2467.84	6442.86	2765.50	1577.42	13253.62
Reserve and Reserve Funds	519.51	434.05	317.12	2554.19	3824.87
Deferred Tax Liability	-260.01	2.20	0.00	0.00	-257.81
Surplus	2476.88	(7237.94)	(12581.02)	(9725.79)	(27067.87)
TOTAL FUNDS	14348.89	12804.53	24852.25	7424.67	59430.34

Appendix -XIV
Consolidated Profit and Loss Account for the year 2022-23

(Rs. in Crores)

Particulars	TRANSCO	EPDCL	SPDCL	CPDCL	Total (D)	Total (T+D)
A.Revenue						
Revenue from Sale of Power	0.00	15692.82	18704.39	10383.25	44780.46	44780.46
Transmission & SLDC charges-Discoms	0.00	0.00	0.00	0.00	0.00	0.00
Transmission & SLDC charges (Annual fee,Open Access)	3048.79	0.00	0.00	486.65	486.65	3535.44
Inter State Sale of Power/UI Charges	0.00	307.89	343.76	198.40	850.05	850.05
Capital Contributions	98.91	258.13	290.18	215.41	763.72	862.63
Less: Electricity Duty	0.00	0.00	0.00	486.65	486.65	486.65
	3147.70	16258.84	19338.33	10797.06	46394.23	49541.93
Revenue Subsidies and Grants	0.00	2074.63	4816.12	1786.61	8677.36	8677.36
Other Income	97.73	1080.73	1217.18	585.20	2883.11	2980.84
Total Revenue :	3245.43	19414.20	25371.63	13168.87	57954.70	61200.13
B.Operating expenses						
Purchase of Power	0.00	16614.65	19643.54	10147.10	46405.29	46405.29
Transmission & SLDC Charges	0.00	0.00	0.00	0.00	0.00	0.00
Repairs & Maintenance	200.98	89.58	-605.30	-277.85	-793.57	-592.59
Employee Costs	1015.17	1204.38	2798.47	1428.98	5431.83	6447.00
Administration & General Expenses	80.64	111.76	133.93	69.82	315.51	396.15
Depreciation	787.03	383.46	814.84	509.89	1708.19	2495.22
Incentive to HT Consumers	0.00	0.00	0.00	0.00	0.00	0.00
Interest and Finance Charges	523.87	1123.85	1668.41	1012.19	3804.45	4328.32
Sub-Total	2607.69	19527.68	24453.89	12890.13	56871.70	59479.39
Less: Expenses Capitalised						
R&M, Employee Costs,Adm,etc	92.49	133.17	174.99	128.85	437.01	529.50
Interest and Finance Charges	135.11	0.00	141.07	74.56	215.63	350.74
	227.60	133.17	316.06	203.41	652.64	880.24
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	2380.09	19394.51	24137.83	12686.72	56219.06	58599.15
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	865.34	19.69	1233.80	482.15	1735.64	2600.98
Extra ordinary item	0.00	0.00	0.00	0.00	0.00	0.00
MAT Credit entitlement of earlier years	48.42	0.00	0.00	0.00	0.00	48.42
Provision for Income Tax & FBT	82.23	0.00	0.00	0.00	0.00	82.23
Provision for Deferred Tax	115.22	0.00	0.00	0.00	0.00	115.22
Profit/(Loss) After Tax	619.47	19.69	1233.80	482.15	1735.65	2355.11
Net Surplus (+)/Loss(-)	619.47	19.69	1233.80	482.15	1735.65	2355.11

Appendix -XV

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

(Rs. in Crores)

Particulars	This Year 2022-23 T & D (EPDCL,SPDCL& CPDCL)
Balance brought forward from last year	(29414.42)
Surplus/(Deficit) from Revenue Account	2355.10
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	(27059.32)

ABBREVIATIONS

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