

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

2020-21



**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) 2020-21**”. It is the Twenty - first edition published post power sector reforms in Andhra Pradesh and Seventh 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) 2020-21” 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.

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1. SALIENT FEATURES

SALIENT FEATURES OF APTRANSCO, APGENCO, and DISCOMs as on 31.03.2021

S.No.	Item	Unit	As on 31-03-2020	Achievement in 2020-21	As on 31-03-2021
1.	INSTALLED CAPACITY (AP Share)				
a)	State Sector				
1	Thermal	MW	3410.000		3410.000
2	Hydel	MW	1797.600		1797.600
3	Solar	MW	405.426		405.426
4	AP Power Development Corp.Ltd	MW	1600.000	-160.00	1440.000
5	GGPP(Jegurupadu (GVK))	MW	216.820		216.820
	TOTAL STATE SECTOR	MW	7429.846	-160.00	7269.846
b)	Joint Sector				
1	Gas (A.P.G.P.C.L) Gov. Share 58.8 MW *58.32%	MW	34.29	-34.29	0.000
c)	Private Sector				
1	IPPs	MW	2408.422	-1087.102	1321.320
2	Small Hydro	MW	102.598	-73.898	28.7
3	Wind	MW	3767.950	0.000	3767.950
4	Co-Generation (Biomass+ Biomass Co-generation & Bagasse Co-generation)	MW	443.650	-206.150	237.500
5	Mini power plants	MW	17.200	-17.200	0.000
6	Others (Municipal waste Industrial waste)	MW	46.160	-18.350	27.810
7	Solar	MW	2850.200	250.000	3100.200
	TOTAL PRIVATE SECTOR	MW	9636.180	-1152.700	8483.480
d)	Share from Central Sector				
1	N.T.P.C Ramagundam -(1-6)	MW	414.370	-126.600	287.770
2	N.T.P.C Ramagundam -7	MW	103.120	-30.850	72.270
3	N.T.P.C.Talcher Stage II (Units 3,4,5&6)	MW	225.600	-45.400	180.200
4	Simhadri TPS (NTPC) -Stg 1	MW	461.100	0.000	461.100
5	Simhadri TPS (NTPC) -Stg 2	MW	259.200	-49.100	210.100
6	Neyveli (Tamilnadu)stage-I	MW	47.650	-0.960	46.690
7	Neyveli (Tamilnadu)stage-II	MW	86.880	-1.330	85.550
8	Vallur Stage 1,2 & 3	MW	87.950	-1.800	86.150
9	Tuticorin , Tamilanadu	MW	123.220	-1.900	121.320
10	M.A.P.P (Tamilnadu)	MW	18.400	-0.270	18.130
11	Kaiga Nuclear power plant I & II	MW	56.250	-1.050	55.200
12	Kaiga Nuclear power plant III & IV	MW	59.950	-1.060	58.890
13	Kudankulam Unit I	MW	0.000	0.000	0.000
14	NTPC (Kudgi)	MW	384.720	-140.160	244.560
15	Western Region bundled Power	MW	175.000	-175.000	0.000
16	New Neyveli Thermal power station (NNTPS)	MW	26.400	26.300	52.700
	TOTAL SHARE FROM CENTRAL SECTOR	MW	2529.810	-549.180	1980.630
	Grand Total (State + Private + Central)	MW	19630.126	-1896.170	17733.956
2.	Length of Lines				
a)	400 kV	Ckm	5309.53	127.20	5436.73
b)	220 kV	Ckm	11686.95	74.58	11761.53
c)	132 kV	Ckm	11435.48	444.44	11879.92
d)	33 kV	km	27294.00	612.24	27906.24
e)	11 kV	km	247890.00	17458.84	265348.85
f)	L.T.	km	351920.00	13207.66	365127.66
	TOTAL	Ckm	655535.96	31924.97	687460.93

SALIENT FEATURES OF APTRANSCO, APGENCO, and DISCOMs as on 31.03.2021

3.	Sub-Stations :				
a)	400 KV	Nos.	15	1	16
b)	220 KV	Nos.	100	1	101
c)	132 KV	Nos.	220	6	226
d)	33 kV	Nos.	3123	63	3186
	TOTAL	Nos.	3458	71	3529
4.	Distribution Transformers	Nos.	1020639	107685	1128324
S.No.	I t e m	Unit	As on 31-03-	Achievement in 2020-21	As on 31-03-2021 (Provl)
5.	Electrification of Towns, Villages, Hamlets, etc. (As per 2011 Census)				
	EXISTING				
a)	Towns	Nos.	195		195
		%	100%		100%
b)	Villages	Nos.	16158		16158
		%	100%		100%
c)	Hamlets	24001	Nos.	23475	13
			%	97.81%	97.86%
d)	Dalitwadass	37402	Nos.	36312	3
			%	97.08%	97.09%
e)	Weaker Section Colonies	22378	Nos.	21725	33
			%	97.08%	97.23%
f)	Tribal Hamlets/ Habitations	6084	Nos.	5825	
			%	95.74%	95.74%
6.	Consumers served				
A)	L.T.Category				
a)	Domestic -I	Nos.	14904878	388185	15293063
b)	Non-domestic/Commercial-II	Nos.	1564086	90036	1654122
c)	Industrial -III	Nos.	94904	16162	111066
d)	Institutional -IV	Nos.	418741	-32568	386173
e)	Agricultural (Including RESCOs) -V	Nos.	1812376	74734	1887110
	L.T.Total (a to h)	Nos.	18794985	536549	19331534
B)	H.T.Total	Nos.	14321	595	14916
	Grand Total (A+B)	Nos.	18809306	537144	19346450
7.	Connected Load				
A)	L.T.Category				
a)	Domestic -I	MW	14451.38	838.62	15290.00
b)	Non-domestic/Commercial-II	MW	3547.07	237.93	3785.00
c)	Industrial -III	MW	2524.33	-91.33	2433.00
d)	Institutional -IV	MW	2238.37	9504.63	11743.00
e)	Agricultural (Including RESCOs) -V	MW	11187.26	-9487.26	1700.00
	L.T.Total (a to h)	MW	33948.41	1002.59	34951.00
B)	H.T.Total	MW	7395.44	964	8358.98
	Grand Total (A+B)	MW	41343.85	1966	43309.98
			During 2019-20		During 2020-21
8	Energy from APGENCO				
	1. Thermal	MU	22469.98		16430.37
	2. Hydel	MU	3529.60		3821.86
	TOTAL	MU	25999.58		20252.23
	Energy from others	MU	36923.11		42817.96
	Total Energy (8+9)	MU	62922.69		63070.19

SALIENT FEATURES OF APTRANSCO, APGENCO, and DISCOMs as on 31.03.2021

9	Energy Sales category-wise:		During 2020-21	% growth	During 2020-21
A)	L.T.Category				
a)	Domestic -I	MU	15580.7	5.73	16473.93
b)	Non-domestic/Commercial-II	MU	3119.24	-21.04	2462.95
c)	Industrial -III	MU	1416.22	-7.32	1312.5
d)	Institutional -IV	MU	1202.25	5.84	1272.49
e)	Agricultural (LIS,Aqua, Poultry etc.) -V	MU	14292.23	-15.76	12040.26
	L.T.Total	MU	35610.64	-5.75	33562.13
B)	H.T.Category				
a)	Domestic -I (Town ships & Colonies)	MU	53.81	12.69	60.64
b)	Non-domestic/Commercial-II	MU	1779.87	-33.00	1192.56
c)	General Industrial -III	MU	13831.47	-3.61	13331.60
d)	Institutional -IV (Religious, Railways, ,PWS)	MU	1855.54	-19.74	1489.21
e)	Agricultural (LIS,Aqua, Poultry etc.) -V	MU	2151.84	2.21	2199.45
f)	RESCOs	MU	833.14	-0.27	830.92
B)	H.T.Total	MU	20505.67	-6.83	19104.38
C)	Total (L.T + H.T)	MU	56116.31	-6.15	52666.51
10	Total Sales by Discoms including wheeling	MU	56581.78		55785.23
11	Transmission losses	%	2.91		2.60
12	Distribution losses	%	10.59		7.31
13	T & D Losses	%	13.02		9.49
14	Maximum demand during the year	MW	10207 (18.03.2020)		11193 (16/03/2021)
15	Per capita consumption	Kwh	1203		1198
16	Revenue				
a)	By sale of Power	Rs. Crores	27814.48		30613.3
b)	By sale of Power-inter state	Rs. Crores	10.92		0.58
c)	Transmission,SLDC,/Miscellaneous/Others	Rs. Crores	5412.16		6762.75
d)	Subsidy/Grants	Rs. Crores	9700.88		10265.44
	Total (a+b+c+d)	Rs. Crores	42938.44		47642.07
17	Capital Expenditure (TRANSCO)	Rs. Crores	1387.65		1077.89

Note:

1) From FY 2019-20 onwards

(i) Consumer Categories of Industrial & Cottage Industries are merged into Industrial Category &

(ii) Consumer Categories of Public Lighting, General Purpose & Temporary are merged and named as Institutional Category.

2) Consumers Served and related Connected load were reconciled.& updated as on 31-03-2021 & Negative figure in institutional category is due to COVID-19

3) A negative figure in category wise connected load services is due to reclassification of categories as Commercial, Industrial, Institutional etc...

4) The Installed capacity was reconciled as per the information of CGM/Power Purchase/APPCC/VS/VJA

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

- 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

- 1) Gooty(20.8.75) and Bommur, Nellore & Shapurnagar 132 KV SSs (76-77) upgraded to 220 KV
 - 2) In 6th Plan Chandrayanagutta and Sullurpet 132 KV SSs are upgraded to 220 KV.
 - 3) In 7th Plan Miryalaguda, Yeddamailaram, 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 Ino .Shivarampally SS is upgraded to 220kV SS.
- # Data for residual AP

2.3 PROGRESS UNDER FIVE YEAR PLANS - RURAL ELECTRIFICATION

(Figures in Nos.)

S.No.	Plan Period	Period (at the end of) as on	Distribution Transformers	Towns and Villages electrified	Hamlets electrified	Dalitwadadas electrified	Agricultural (pump sets energised)
1	Pre-Plan	31.3.1951	--	197	66	--	620
2	1st Plan	31.3.1956	--	630	133	--	4300
3	2nd Plan	31.3.1961	4667	2680	685	--	17968
4	3rd Plan	31.3.1966	8741	4353	1314	--	57225
5	3 Annual Plans	31.3.1969	12363	5788	1783	--	122321
6	4th Plan	31.3.1974	22549	10485	4890	8146	261989
7	5th Plan	31.3.1978	29033	14851	6000	10318	318357
8	2 Annual Plans	31.3.1980	34701	16659	6815	13960	388292
9	6th Plan	31.3.1985	48724	23078	9956	22477	636003
10	7th Plan	31.3.1990	80419	27610	15904	29899	1111569
12	2 Annual plans	31.3.1992	101376	27610	18035	33505	1273973
13	8th Plan	31.3.1997	148024	26829	21036	39074	1821239
14	9th Plan *	31.3.2002	213803	26829	27849	41466	2088759
15	10th Plan (2002-03)	31.3.2003	242668	26829	30302	42739	2257969
16	10th Plan (2003-04)	31.3.2004	323033	26829	30557	46315	2309605
17	10th Plan (2004-05)	31.3.2005	405937	26829	31253	49298	2374365
18	10th Plan (2005-06)	31.3.2006	474959	26877	31593	51440	2440823
19	10th Plan (2006-07)	31.3.2007	519365	26877	31617	54042	2527800
20	11th plan (2007-08)	31.3.2008	580721	26823	31741	55572	2599635
21	11th plan (2008-09)	31.3.2009	672426	26823	31799	56156	2680671
22	11th plan (2009-10)	31.3.2010	737544	26823	31838	56239	2769275
23	11th plan (2010-11)	31.3.2011	811108	26823	31940	56340	2909006
24	11th plan (2011-12)	31.3.2012	894581	26823	32271	56408	3061914
25	12th plan (2012-13)	31.3.2013	971727	26823	32271	56408	3203871
26	12th plan (2013-14)	31.3.2014	1032863	26823	32271	56415	3344637
27	12 th plan (2014-15)	# 31.03.2015	621171	16353	28611	36309	1509495
28	12 th plan (2015-16)	31.03.2016	635055	16353	28739	36312	1581855
29	12 th plan (2016-17)	31.03.2017	769642	16353	29282	36312	1657258
30	FY 2017-18	31.03.2018	875547	16353	29287	36312	1720670
31	FY 2018-19	31.03.2019	949799	16353	29287	36312	1807100
32	FY 2019-20	31.03.2020	1020639	16353	29287	36312	1812376
33	FY 2020-21	31.03.2021	1101651	16353	29287	36312	1887110

* As per 2001 Census

From 10th Plan onwards AGL pump sets includes RESCO services

Figures indicate for residual AP

2.4 PROGRESS UNDER FIVE YEAR PLANS : FIXED ASSETS AND REVENUE

(Rs. in Crores)

S. No.	Plan	As on	Gross Block Fixed Assets	Accumulated Depreciation	Gross Revenue
1	Up to 1961	31.03.1961	27.95	-	6.78
2	3rd Plan	31.3.1966	89.52	15.78	18.00
3	3 Annual Plans	31.3.1969	163.46	29.37	29.85
4	4th Plan	31.3.1974	281.23	66.59	56.70
5	5th Plan	31.3.1978	610.62	470.59	124.72
6	2 Annual Plans	31.3.1980	819.94	185.76	174.94
7	6th Plan	31.3.1985	1463.05	323.59	520.37
8	7th Plan	31.3.1990	2547.39	708.53	1015.98
9	2 Annual Plans	31.3.1992	6642.72	1570.48	2935.08
10	8th Plan	31.3.1997	6847.89	2143.57	4408.94
11	9th Plan	31.3.2002	7622.83	2899.84	8839.92
12	10th Plan (2002-03)	31.3.2003	8757.32	3398.44	10088.67
13	10th Plan (2003-04)	31.3.2004	9907.31	3968.30	10981.24
14	10th Plan (2004-05)	31.3.2005	11298.05	4622.70	11589.49
15	10th Plan (2005-06)	31.3.2006	13049.24	5410.97	12361.53
16	10th Plan (2006-07)	31.3.2007	14377.13	6285.65	13947.03
17	11th Plan (2007-08)	31.3.2008	16865.07	7087.73	16902.20
18	11th Plan (2008-09)	31.3.2009	18951.80	8157.78	23069.48
18	11th Plan (2009-10)	31.3.2010	21580.70	9378.55	24508.64
19	11th plan (2010-11)	31.3.2011	24173.95	10749.05	28188.55
20	11th plan (2011-12)	31.3.2012	26800.63	12282.43	34620.43
21	12th plan (2012-13)	31.3.2013	29999.95	13957.33	35847.47
22	12th plan (2013-14)	31.3.2014	33062.94	15807.45	39900.26
23	12 th plan (2014-15)	31.03.2015	24929.92	9640.16	23899.00
24	12 th plan (2015-16)	31.03.2016	30822.05	10879.89	24875.26
25	12 th plan (2016-17)	31.03.2017	26967.05	12280.57	26749.09
26	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
* From 1999-2000 ,A.P.TRANSO + 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										

@ 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							
	Srisailem Project							
	Stages - I & II	93.32	21.94	29.18	26.34	38.00	20.19	135.65
	Payment to Orissa Government towards A.P's share of							
	Balimela Dam Project	5.00	2.00	3.00	--	--	--	5.00
	Total GOVERNMENT	98.32	23.94	32.18	26.34	38.00	20.19	140.65
I	TOTAL A+B (PLAN)	619.05	138.06	152.76	140.47	143.24	163.45	737.98
II	OUT SIDE PLAN							
	Rural Electrification		3.67	15.53	21.60	25.80	30.08	96.68
	Total Power Sector (PLAN +OUT SIDE PLAN) (I + II)		141.73	168.29	162.07	169.04	193.53	834.66

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

3.2 ACHIEVEMENTS IN SIXTH FIVE YEAR PLAN - PHYSICAL

S.No.	Item	Unit	1980-81	1981-82	1982-83	1983-84	1984-85	Total
1	GENERATION							
I	State Sector:							
	Thermal							
	Vijayawada-Unit-II	MW	210	--	--	--	--	210
	Units Dismantled	MW						
	RTS-A Unit-I	MW	--	--	-12.5	--	--	-12.5
	RTS-A Units-II&III	MW	--	--	--	--	-25	-25
	Hussian Sagar	MW	--	--	--	--	-10	-10
	Hyderabad Gas Turbines	MW	--	--	--	--	-20	-20
	Total Thermal	MW	210	0	-12.5	0	-55	142.5
	Hydel							
	Nagarjunasagar Unit - II & III	MW	201.6	--	--	--	--	201.6
	Nagarjunasagar Unit - IV & V	MW	--	--	201.6	--	--	201.6
	Nagarjunasagar Unit - VI & VII	MW	--	--	--	--	201.6	201.6
	Donkarai	MW	--	--	--	25	--	25
	N'sagar Right Canal Unit - I	MW	--	--	30	--	--	30
	N'sagar Right Canal Unit - II	MW	--	--	--	30	--	30
	Srisailam Unit - I & II	MW	--	--	220	--	--	220
	Srisailam Unit - III	MW	--	--	--	110	--	110
	Srisailam 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)	Pump sets energized	No.	39522	50182	53302	46424	60561	249991
d)	Dalitwadas electrified	No.	2075	2250	2639	1678	1578	10220
e)	Weaker section colonies electrified	No.	--	--	319	209	290	818

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

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

S.No.	Head/ Sub-Head of Development	Approved Outlay for 7th Five year Plan (1985-90)	1985-86 Expenditure	1986-87 Expenditure	1987-88 Expenditure	1988-89 Expenditure	1989-90 Expenditure	Total Expenditure for the 7th Five year Plan
A.	A.P.S.E.BOARD							
	1. Generation	431.24	73.95	81.80	109.30	131.17	122.30	518.52
	2. Transmission	294.80	27.11	28.97	28.40	28.56	36.64	149.68
	3. Distribution	221.10	33.74	45.72	44.34	45.87	50.77	220.44
	4. Rural Electrification	105.55	17.29	16.84	16.70	12.89	8.23	71.95
	5. Survey & Investigation	2.21	0.23	0.27	0.19	0.32	0.38	1.39
	TOTAL APSEB PLAN	1054.90	152.32	173.60	198.93	218.81	218.32	961.98
B.	GOVERNMENT							
	Srisailam 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	Srisaillam HES Stage-II (3 x 110 MW)	MW	330.00	110.00	220.00	--	--	--	330.00
3	Pochampad HES (3 x 9 MW)	MW	27.00	--	9.00	18.00	--	--	27.00
4	A.P.Power House at Balimela (2 x 30 MW)	MW	60.00	--	--	--	--	--	--
5	Penna Ahobilam HES (2 x 10 MW)	MW	20.00	--	--	--	--	--	--
6	Nagarjunasagar Right Canal HES - 3rd unit (30 MW)	MW	30.00	--	--	--	--	--	--
7	Nagarjunasagar Left Canal HES (2 x 30 MW)	MW	60.00	--	--	--	--	--	--
8	Mini/Small Hydel Schemes (1.5 MW)	MW	1.50	0.22	--	1.79	--	--	2.01
9	Vijayawada TPS - Stage-II (1st unit 210 MW)	MW	210.00	--	--	--	--	210.00	210.00
	Total State Sector	MW	839.30	211.02	229.00	19.79	--	210.00	669.81
	Central Sector Share								
1	Ramagundam Unit - IV & V	MW		--	--	--	278.00	--	278.00
2	Ramagundam Unit - VI	MW		--	--	--	--	140.00	140.00
3	MAPP (Kalpakam)	MW		40.00	--	--	--	--	40.00
4	Neyveli Stage II Unit - I	MW		--	32.00	--	--	--	32.00
5	Neyveli Stage II Unit - II	MW		--	--	65.00	--	--	65.00
	Total Central Share	MW		40.00	32.00	65.00	278.00	140.00	555.00
	Total Capacity Addition	MW		251.02	261.00	84.79	278.00	350.00	1224.81
	Installed Capacity	MW		3576.92	3837.92	3922.71	4200.71	4550.71	5775.52

(Contd. ...)

3.4 ACHIEVEMENTS IN SEVENTH FIVE YEAR PLAN - PHYSICAL

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

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

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

4.1 ANNUAL PLAN 1990-91

(Rs.in Lakhs)

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

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

S.No.	Particulars	Units	PHYSICAL			
			1990 - 91		1991 - 92	
			Targets	Achievement	Targets	Achievement
1	Installed Capacity					
I	State Sector:					
A	Thermal					
	Vijayawada Unit-IV	MW		210		--
	Total Thermal	MW		210		--
B	Hydel					
	N'Sagar Right canal Unit - III	MW		30		--
	Mini Hydel	MW		--		1
	Total Hydel	MW		30		1
	Total State Sector	MW		240		1
II	Joint Sector					
	Vijjeswaram (Gas) Unit - I & II	MW		66		--
	Vijjeswaram (Gas) Unit - III			--		34
	Total Joint Sector	MW		66		34
	Total (I+II)	MW	306	306	34	35
III	Central Sector:					
	Neyveli IInd Mine Cut Unit - I&II	MW		45		45
	Total Central Sector	MW		45		45
	Total Capacity Addition	MW		351		80
	Installed Capacity	MW		4901.71		4981.71
2.	a) Generation	MU	17094	18119	18065	18242
	b) Purchases	MU	3841	2984	4540	5010
	c) Gross Generation	MU	20935	21103	22605	23252
3.	Units Sold					
	a) Within the State	MU	16223	16093	17491	17760
	b) Export	MU		161		182
4.	220 kV Sub-stations	Nos.	8	2	8	6
5.	132 kV Sub-stations (\$)	Nos.	13	7 (-1)	15	12 (-1)
6	33 kV Sub-stations	Nos.	40	43	42	76
7	220 kV Lines	Ckm.	587	202	349	391
8	132 kV Lines	Ckm.	1033	224	1033	813
7.	66 KV Lines	Ckm.				
8.	33 KV Lines	Ckm.				
7.	11 KV Lines	Ckm.				
8.	L.T Lines	Ckm.				
9	Services other than Agriculture	Nos.	222620	343706	400000	471557
10	Villages already electrified with Solar Panels for conversion to Conventional lines	Nos.	250	259	250	154
11	Agricultural Pump sets	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				
I.	Generation				
a)	Continuing Schemes				
1	Srisaillam HES Stage - II	3x110	60	10	29
2	Nagarjunasagar Pumped Storage HES Stage - II	3x100	25	6	33
3	Pochampad HES (3 x 9 MW)	3x9	35	5	3
4	Nagarjunasagar Left Canal HES	2x30	473	442	374
5	Nagarjunasagar Right Canal HES	30	80	150	32
6	Penna Ahobilam HES	2x10	150	77	151
7	A.P. Power House at Balimela	2x30	250	30	-3
8	Upper Sileru HES Stage - II	2x60	1350	400	336
9	Srisaillam Left Bank HES		4500	5500	6097
10	Mini/ Small Hydel Schemes		200	400	502
11	Vijayawada TPS Stage-II	2x210	200	1400	788
12	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)		17323	18420	21367
	(P F C)				11115
b)	New Schemes				
1	Singur HES	2x7.5	100	12	5
	Sub - Total (b)				5
c)	Renovation Schemes				
1	Kothagudem TPS - 1st Phase (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.	Additionally (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 Hydrel 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
			--	--	--	+1.00	--	+1.00
19.	Jurala HES (6x36.9 MW) A.P Share 50%		11.00	8.00	11.00	13.00	18.00	61.00
20.	Gas Based TPS at Jegurupadu near Rajahmundry Stage -I (400 MW).		--	--	400.00	--	--	400.00
21.	Wind Format Ramagiri		--	121.00	415.00	1.00	--	537.00
22.	Hydro Metro Project (650 MW)		--	--	--	--	423.00	423.00
SUB-TOTAL (NEW SCHEMES)		3149.00	46.00	571.00	877.00	741.00	455.00	2690.00
						+13.00	+128.00	+141.00
SUB-TOTAL - I (GENERATION)		159148.00	34820.00	33725.00	40997.00	63736.00	51229.00	224507.00
		41500.00	+13418.00	+16169.00	+27377.00	+39086.00	+21852.00	+117902.00
II	R & M SCHEMES :							
THERMAL PROJECTS :								
1	Kothagudem TPS-Phase-I.	3867.00 +9023.00	50.00	55.00	--	--	--	105.00
2	Kothagudem TPS-Phase-II.		251.00	25.00	9.00	23.00	--	308.00
			+519.00	+136.00	+35.00			+690.00
3	KTPS 'A' life extn.		--	--	--	--	--	--
4	Programme						+1901.00	+1901.00
5	Ramagundam TPS-B Station		4.00	--	3.00	8.00	5.00	20.00
					+1.00			+1.00
6	Nellore TPS.		69.00	20.00	3.00	--	--	92.00
		+12.00	+2.00	+3.00	+17.00			
HYDEL PROJECTS :								
1	Machkund.		--	--	--	--	--	
2	Nizamsagar		--	--	--	--	--	
3	Srisailam.	--	0.00	103.00	0.00	--	103.00	
		--	+77.00		+48.00		+125.00	
4	Lower Sileru.		--	40.00	16.00	--	56.00	
SUB-TOTAL - II (R & M)		3867.00	374.00	100.00	158.00	47.00	5.00	684.00
		9023.00	+531.00	+215.00	+39.00	+48.00	+1901.00	+2734.00

(Contd.,)

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

Rupees in lakhs.


Sl.No.	Scheme	Eighth Plan Provision	Actual Expenditure					Total
			1992-93	1993-94	1994-95	1995-96	1996-97	
III	TRANSMISSION.	45000.00	8397.00	5593.00	4580.00	5931.00	3316.00	27817.00
		+15000.00	+5888.00	+6741.00	+9574.00	+4026.00	+2780.00	+29009.00
IV	DISTRIBUTION AND SYSTEM IMPROVEMENT	65000.00	11341.00	12491.00	9000.00	7135.00	7727.00	47694.00
		+10000.00	+915.00	+2809.00	+13699.00	+2655.00	+5202.00	+25280.00
V	RURAL ELECTRIFICATION.	11000.00	2100.00	1632.00	3000.00	2988.00	2623.00	12343.00
VI	SURVEY AND INVESTIGATION	500.00	75.00	89.00	110.00	111.00	68.00	453.00
a)	SUB-TOTAL I to VI (Plan) (I TO VI)	284515.00	57107.00	53630.00	57845.00	79948.00	64968.00	313498.00
	SUB-TOTAL I to VI (Additionally)	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)	Pump sets energised	Nos.	250000	124077	102177	96160	37186	148210	507810						

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

**5. NINTH FIVE YEAR PLAN (1997-2002),
TENTH FIVE-YEAR PLAN (2002-2007),
ELEVENTH PLAN (2007-12),
TWELFTH PLAN (2012-17)
AND
ACHEIVEMENTS IN 2017-18, 2018-19, 2019-20 &
2020-21**

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

Rs. In.Crores

Sl.No	Name of the Scheme	Ninth Plan Provision	Actuals 1997-98	Actuals 1998-99	Actuals 1999-00	actuals 2000-01	Actuals 2001-02	Total 9th plan
	A.P.GENCO							
	PLAN							
	Srisaillam Left Bank H.E.S	1102.12	424.49	429.07	271.26	251.33	126.48	1502.63
	Rayalaseema TPS Stage-I	20.00	8.87	12.25	1.57	1.11	3.34	27.14
	Direct payments by ADB		33.06					33.06
	Vijayawada TPS Stage-III	53.22	6.71	4.49	2.26	2.93	5.90	22.29
	KTPS Stage-V	130.00	20.00	50.19	6.04	6.98	7.16	90.37
	Vijayawada TPS Stage-II	2.00	0.16	0.00	0.03			0.19
	N.S.Pumped Storage scheme stage-II			0.08	0.16	0.42	0.10	0.76
	N.S.Right Canal H.E.S. Illrd 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
	Srisaillam HE Scheme Stage-II(3X110 MW)			1.60		1.69	0.29	3.58
	R&M Works of KTPS					185.57	140.49	326.06
	R&M Works of NTS 30 MW Station	2.23		1.25			4.30	5.55
	R&M Works of RTS	0.63	0.02		0.01			0.03
	R&M Srisaillam	2.47	0.91	14.14				15.05
	R&M Works of Lower Sileru	1.83		10.13		1.48	2.17	13.78
II	VTPS R&M works	87.54	3.54	0.69	50.45	17.75	39.77	112.20
	Additionality for RTPP					0.64		0.64
	Singur HES			0.69	1.71	0.38	0.68	3.46
	Y2K (All Stations)					0.37	1.30	1.67
	NSHES flood protection wall					0.32	0.98	1.30
	Vizag TPS-Stage-I (2x500 MW)		0.32	0.21				0.53
	Krishnapatnam TPS Stage-I		0.62	0.03				0.65
	Simhadri TPS (2x500 MW)			0.82				0.82
	Jegurupadu Gas Based Stage-II (200 MW)	1.60	0.31	0.69				1.00
	Initial enabling works for other IPPS	100.00		0.82				0.82
	VTPS Stage IV						1.15	1.15
	Total Additionality	644.30	120.03	47.68	67.05	326.19	237.92	798.87
	TOTAL APGENCO (Plan+Additionality)	2260.49	708.59	561.41	358.16	596.82	407.86	2632.84

5.1 ACHIEVEMENTS IN NINTH FIVE YEAR PLAN -FINANCIAL(1997-98 TO 2001-02)								
Sl.No	Name of the Scheme							Rs. In.Crs
		Ninth Plan	Actuals	Actuals	Actuals	Actuals	Actuals	Total
		Provision	1997-98	1998-99	1999-2000	2000-01	2001-02	9th plan
	APTRANSCO							
	PLAN							
I	TRANSMISSION (Normal)	321.58	69.29	59.28	86.66			215.23
	a)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-Vijjeswaram (W.Godavari)	MW		60	-	-	-		60
3	Private Sector								
3.a	Fast Track Projects								
i	GVK - Jegurupadu	MW	75.5	75.5	-	-	-		75.5
ii	Spectrum - Kakinada	MW	115.7	115.7	-	-	-		115.7
iii	Lanco(Kondapally)	MW	355				355		355
iv	BSES(Peddapuram)	MW	220					140	140
v	Gowatami(Peddapuram)	MW	464						
vi	Vemagiri	MW	370						
vii	Isolated Gas wells	MW				2.7		18.4	21.1
3.b	Non-Conventional Energy Projects								
i	Mini Hydel	MW		12	11.5	16.2	18.9	14.6	73.2
ii	Wind	MW		1.5	6	26.25	3.75	1.69	39.19
iii	Bagasse based co-generation	MW		-	9	5	-	22	36
iv	Bio-Mass based co-generation	MW					6.7	3	9.7
v	Bio-Mass based project	MW			1		28	44.5	73.5
vi	Mini-Power plants	MW				40.31		37.8	78.11
vii	Others	MW			41				41
Total Private Sector		MW	1600.2	204.7	68.5	90.46	412.35	281.99	1058
4	Central Sector Projects								
4.a	Kaiga Nuclear plant	MW				57.5	57.5		115
4.b	Simhadri(NTPC) Vizag	MW						500	500
Total Central Sector		MW		-12 (**)		57.5	57.5	500	615
Total Capacity Addition		MW	2765.2	514.7	68.5	162.96	470.85	1081.99	2299
5	Total Installed Capacity	MW		7283.60	7352.10	7515.06	7985.91	9067.90	
6	Peak Demand	MW		5742	6480	6684	7143	7029	

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

(Contd..)

5.2 ACHIEVEMENTS IN NINTH FIVE YEAR PLAN - PHYSICAL

S.No.	Name of the Project (District)	Unit	Proposed target for 9th Plan	1997-98	1998-99	1999-2000	2000-01	2001-02	Total
7	Units Generated								
i)	Units Generated	MU	--	26265	27023	29632	26797	25553	135270
ii)	Units Purchased	MU	--	11881	13551	16137	15392	16319	73280
iii)	Gross Energy	MU	--	38146	40574	45769	42189	41872	208550
iv)	Units sold within 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)	Pump sets 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-Authorized 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	Srisaillam Tr. Scheme (OECF)		2.07	1.69			1.38	
9	APL1		24.12	17.64				
10	APL1 (Supplemental)		0.44		5.02	18.86	2.76	
11	APL2		1.120		15.12	25.81		
12	REC Scheme		0.08	58.21	121.21	88.58	74.40	
13	DFID			1.89	5.23	5.60	0.09	
14	APHM & ECRP					0.29	0.15	
15	PFC			183.34	14.32		74.29	141.20
16	NORMAL PLAN				46.29	45.6	29.54	42.28
17	Boundary Metering scheme/Twin cities Transmission project(*)						0.00	
18	Others					62.89	47.93	228.59
	Sub Total I	2904.47	362.62	248.01	415.38	358.18	499.46	
II.	Distribution Plan							
(i)	Distribution & System Improvements	2295.23	983.54	1247.62	1301.79	1263.50	1515.18	
(ii)	Rural Electrification							
(iii)	T&D Improvements							
(iv)	AP Energy efficiency project							
(v)	AP Power Sector Restructuring project-APL1							
(vi)	AP Hazard Mitigation Project							
(vii)	APDRP							
(viii)	HVDS							
(ix)	OECF							
	Sub Total II	2295.23						
III	Additionality (Transmission & Distribution)		983.54	1247.62	1301.79	1263.50	1515.18	
(i)	OECF/REC	2094.24						
(ii)	DFID/APL							
(iii)	APL-1							
	Sub Total III	2094.24						
IV.	Outside Plan							
(i)	Rural Electrification	690.69						
(ii)	Distn. & Sys.Improvements							
(iii)	Cyclone Works							
(iv)	Release of Agl services & LI schemes							
	Sub Total IV	690.69						
	Grand Total	7984.63	1346.16	1495.63	1717.17	1621.68	2014.64	

5.4 ACHIEVEMENTS IN TENTH FIVE YEAR PLAN - PHYSICAL

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

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

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

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

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

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

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

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

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

5.8 ACHIEVEMENTS IN 11th FIVE YEAR PLAN -FINANCIAL APTRANSCO

(Rs in Crs)

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

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

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

5.10 ACHIEVEMENTS IN 12th FIVE YEAR PLAN - PHYSICAL

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

5.11 ACHIEVEMENTS IN 12th FIVE YEAR PLAN - PHYSICAL

S No	ITEM	Unit	2017-18	2018-19	2019-20	2020-21
			Achievement	Achievement	Achievement	Achievement
1	Electricity Sales	MU	49945	54950	56116	52667
2(I)	Transmission Lines					
a)	400 kV	CKM	955.04	748.64	-	127.2
b)	220 kV	CKM	484.15	399.17	254.94	74.57
c)	132 kV	CKM	628.80	517.46	179.97	444
2(II)	Sub-Stations					
a)	400 kV	Nos	1	4	-	1
b)	220 kV	Nos	3	6	7	1
c)	132 kV	Nos	14	6	8	6
d)	33 kV shunt capacitor banks	MVAR	64.8	122.4	14.4	14.4
e)	132 kV shunt capacitor banks	MVAR	0	0	0	0
3	Distribution & SI					
a)	33 KV Sub-stations	Nos	132	51	89	63
b)	Release of LT services other than agriculture	Nos	574152	598217	759888	533082
c)	Release of HT Services	Nos	672	883	1069	14916
4	Rural Electrification					
a)	Laying of conventional lines in villages already electrified with SPV Panels	Nos	0	0	0	0
b)	General Hamlets	Nos	0	0	0	13
c)	Electrification of Dalitwadas	Nos	0	0	0	3
d)	Electrification of Weaker section colonies	Nos	0	0	0	33
e)	Tribal Hamlets	Nos	0	0	0	0
f)	Energisation of Agricultural pump sets	Nos	63412	86430	65565	74734

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, Chittoor Dt	62.82
4	Rayalaseema Power Transmission Scheme	355.10
5	Short Gestation Power Transmission Scheme	0.65
6	Wind Power	158.25
7	M/s Hinduja National Power Cooperation 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 standalone 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 standalone 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 (Construction)	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	14.45
10	400/220 KV SS at Tallayapalem	
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 Rachagunneri 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 & Commissioning. 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 (Construction)	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 conductor with HTLS-Undi-Bhvrn LN	6.61
20	R/O LYNX COND with HTLS-GDL-Autonagar	0.96
21	Erect. of 132/33kV SS Dwaraka Tirumala W	2.21
22	Erect. of 132/33kV SS Dharmajigudrm in W	1.11
23	LILO of existing 132kV Bhimadole-Nidadav	1.10
24	132kV Chilakalu -Nandigama DC/SC line KR	0.23
25	220/33kV SS Ammavaripalli, Ananthpur DIST	0.60
26	33KV feat. at 220/132KV SS Bobbili growth	2.08
27	LILO OF 220Kv Tadikonda - Ongole SC line G	1.42
28	33kV Feat.at 220/11kV LIS SS Purushothap	2.05
29	33KV features at 220/11KV SS Pattiseema	0.74
30	Erection of 220/33kV SS Akiveedu in West	7.18
31	33KV FEAT. 220/33kV 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 Gujjanagund	0.21
37	Erec.of 33kv FET.at 220/11 KV Nansuralla	0.74
38	Erec.of 33kv FEAT.at 220/11KV Krishnagir	0.69
39	Erec. of 132/33 KV Ulavapadu SS, Prakasam	1.93
40	220kv DC line from 400 KV K.Kota - Bhimadole	1.31
41	Erec. of 220 KV & 132 KV SS under VCIC	37.11
42	Upgrad. 132/33 KV SS Simhachalam - 220/132 KV	26.14
43	125 MVAR bus reactors at Chittoor.	0.73
44	132/33 KV SS AIIMS at Mangalagiri	1.77
45	33 KV features at 132/33 KV Madakasira SS	43.19
46	132/33 KV SS at Penumur, Chittoor Dist.	69.54
47	400/220 KV SS at Podili, Prakasam Dist.	21.20

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

6. A.P.GENCO GENERATION

6.1 PATTERN OF INSTALLED CAPACITY IN ANDHRA PRADESH (2014-15 TO 2020-21)										
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

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

**6.1 PATTERN OF POWER GENERATION IN ANDHRA PRADESH (2014-15 TO 2020-21)
STATE, PRIVATE AND CENTRAL SECTORS**

YEAR	UNIT	Energy State Sector		Gas (VGTS)	Wind	Solar	Private sector	Central Sector	Others	TOTAL
		Hydel	Thermal							
2014-15 (Jun- Mar)	MU	3204.74	16228.48	456.70		.	5279.12	14219.62	869.94	40258.60
	%	7.96	40.31	1.13			13.11	35.32	2.16	100.00
2015-16	MU	2441.01	22044.42	682.09	2118.29	177.41	3314.46	15300.89	4309.09	50387.66
	%	4.84	43.75	1.35	4.20	0.35	6.58	30.37	8.55	100.00
2016-17	MU	2312.58	24728.76	673.82	3184.78	1543.44	7362.60	14600.51	833.46	55239.95
	%	4.19	44.77	1.22	5.77	2.79	13.33	26.43	1.51	100.00
2017-18	MU	2680.87	20561.95	1165.04	6370.35	3699.25	5516.65	10535.83	8287.61	58817.55
	%	4.56	34.96	1.98	10.83	6.29	9.38	17.91	14.09	100.00
2018-19	MU	2680.45	22360.83	1091.40	8900.29	4460.49	4433.95	8018.12	11198.03	63143.56
	%	4.25	35.41	1.73	14.10	7.06	7.02	12.70	17.73	100.00
2019-20	MU	3529.60	22469.98	980.63	6613.47	5244.10	4676.80	14698.30	4709.81	62922.69
	%	5.61	35.71	1.56	10.51	8.33	7.43	23.36	7.49	100.00
2020-21	MU	3821.86	16430.37	1226.14	6491.84	6975.64	3084.94	12483.03	12556.37	63070.19
	%	6.06	26.05	1.94	10.29	11.06	4.89	19.79	19.91	100.00

*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

6.3 INSTALLED CAPACITY AND NET GENERATION IN 2020-21

Sl.No	Name of the Power House	No.of Units x Capacity MW	Installed Capacity MW	Installed Capacity MW Share	Generation (ex-bus) during 2020-21	Auxiliary Consumption MU	Plant Load Factor %	Availability Factor %
I	THERMAL							
1	Vijayawada - I Unit 1	1 x 210	210.00	210.00	1345.65	79.14	41.37	89.98
	Vijayawada - I Unit 2	1 x 210	210.00	210.00		77.86	41.24	89.98
	Vijayawada - II Unit 3	1 x 210	210.00	210.00	1842.45	113.21	61.32	89.98
	Vijayawada - II Unit 4	1 x 210	210.00	210.00		93.41	49.75	89.98
	Vijayawada - III Unit 5	1 x 210	210.00	210.00	1693.59	91.32	50.44	89.98
	Vijayawada - III Unit 6	1 x 210	210.00	210.00		95.75	52.54	89.98
	Vijayawada-IV	1x500	500.00	500.00	2712.04	164.76	65.62	85.12
2	R.T.P.P -I Unit 1	1 x 210	210.00	210.00	266.48	39.37	16.97	84.94
	R.T.P.P -I Unit 2	1 x 210	210.00	210.00		11.46	1.13	84.94
	R.T.P.P -II Unit 3	1 x 210	210.00	210.00	743.31	49.18	28.53	88.95
	R.T.P.P -II Unit 4	1 x 210	210.00	210.00		29.37	16.69	88.95
	R.T.P.P.Stg-3 Unit-5	1 x 210	210.00	210.00	213.75	29.87	13.27	91.39
	R.T.P.P.Stg-4 Unit-1	1 x 600	610.00	600.00	822.88	72.96	16.54	81.06
3	SDS Thermal Power Project I & II, Krishnapatnam	1x800 1x800	1600.00	1440.00	6790.22	436.49	51.57	69.14
	TOTAL			4850.000	16430.37	1384.13	41.00	81.33
II	GGPP (Jegurupadu (GVK))			216.820				
III.	HYDEL :		✦					
	1. Machkund	3 x 17 3 x 23	✦ 84.00	84.00	342.98	--		
	2. T.B.H.E.S (T.B. Dam & Hampi)	4 x 9 4 x 9	✦ 57.60	57.60	147.77	--		
	3. Upper Sileru	4 x 60	240.00	240.00	605.52	13.73		
	4. Donkarayi	1 x 25	25.00	25.00	129.29	0.91		
	5. Lower Sileru	4 x 115	460.00	460.00	1268.46	22.84		
	6. Srisailam RBHS	7 x 110	770.00	770.00	1093.86	26.45		
	7.Nagarjunasagar RC PH	3 x 30	90.00	90.00	153.92	1.65		
	8.Penna Ahobilam	2 x 10	20.00	20.00	1.71	0.44		
	9.Mini Hydro/33&11kv plants		1.00	1.00	26.06	0.03		
	10.Nagarjuna Sagar Tail pond	2 x 25	50.00	50.00	52.29	2.93		
	TOTAL			1797.600	3821.86	68.98		
	11.Solar APGENCO			405.426		1453.11		
IV	GAS (Joint Sector)							
	VGTS - I & II (Gov. Share 58.8 * 58.32 %)	(2 x 33) +1x34	58.80	0.00	94.68			
		(1x112) +1x60			1131.46			
	Total Gas				1226.14			
V	Utilisation from Central Projects :			1980.630	12151.75			
VI	Private Sector Generation							
	1. IPPs			1321.320	1986.92			
	2. Wind			3767.950	6491.84			
	3. Solar			3100.200	6975.64			
VII	Others			294.010	13985.67			
	GRAND TOTAL (I TO VI)			17733.956	63070.19	1453.11		

(*) Data collected from EBC

✦ A.P.Share

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

Sl.No.	Station	Details of Unit	MW	AP Share	Date of Commissioning
I. APGENCO-THERMAL					
1	Dr NTTPS , Vijayawada	Unit-I	210	210	01.11.1979
		Unit-II	210	210	10.10.1980
		Unit-III	210	210	05.10.1989
		Unit-IV	210	210	23.08.1990
		Unit-V	210	210	31.03.1994
		Unit-VI	210	210	24.02.1995
		Unit-VII	500	500	06.04.2009
2	RTPP Stage -I	Unit-I	210	210	31.03.1994
		Unit-II	210	210	25.02.1995
3	RTPP Stage -II	Unit-I	210	210	24.01.2007
		Unit-II	210	210	21.11.2007
4	RTPP Stage-III	Unit -I	210	210	31-12-2010
	RTPP Stage-IV	Unit -I	600	600	29.03.2018
5	SDS Thermal power project, Krishnapatnam	Unit-I	800	720	02.5.2015
6	SDS Thermal power project, Krishnapatnam	Unit-II	800	720	24.08.2015
Total Thermal			5010.00	4850.00	
7	GGPP (Jegurupadu (GVK))		216.82	216.82	22.04.2016
II APGENCO-HYDEL					
1	Machkund	Unit-I	17	84	19.08.1955
		Unit-II	17		12.12.1955
		Unit-III	17		26.06.1956
		Unit-IV	23		15.01.1959
		Unit-V	23		07.08.1959
		Unit-VI	23		08.08.1959
2	Tunga Bhadra	Unit-I	9	57.6	26.01.1957
		Unit-II	9		23.05.1957
		Unit-III	9		19.02.1964
		Unit-VI	9		19.06.1964
3	Hampi	Unit-I	9	57.6	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
		Unit-II	25		28.01.2017
III. MINI HYDEL					
1	Chettipeta (Godavari Canal) East Godavari Dist	Unit-I	0.50	1.00	03.08.1991
		Unit-II	0.50		09.08.1991
			1797.60	1797.60	
IV. SOLAR					
1	Polavaram Right Canal (W.G)		5.426	5.426	19.11.2016
	Talaricheruvu (V), Tadipatri (M), Ananthapur Dist		400.000	400.000	14.03.2019
Total APGENCO				7269.846	

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

Sl.No.	Station	Details of Unit	Capacity in MW	Date of Commissioning
6.4(B) -1 COMMISSIONING DATES OF GENERATING UNITS IN JOINT SECTOR				
II. GAS - Joint Sector				
1	Vijjeswaram- Stage-I(West Godavari)	Unit-I Unit-II Unit-III	9.33	02.12.1990 12.03.1991 17.03.1992
2.	Vijjeswaram- Stage-II(West Godavari)	Unit-I Unit-II	24.96	31.03.1997 23.12.1997
Total Gas			0	Exp.31.12.2020
6.4(B) -2 SHARE FROM GENERATING UNITS IN CENTRAL SECTOR				
I	Thermal(Central Units with Capacity (MW))		share as on 31/03/2021	Date of Commissioning
1	RSTPS - Unit I - 200 MW		360.04	Oct, 1983
	Unit II - 200 MW			May, 1984
	Unit III - 200 MW			Dec, 1984
	Unit IV - 500 MW			Jun, 1988
	Unit V - 500 MW			Mar, 1989
	Unit VI - 500 MW			Oct, 1989
	RSTPS STAGE -III Unit VII- 500 MW			April'2005
2	MAPP Unit I - 220 MW		18.13	
	Unit II - 220 MW			
3	NLC Unit I - 210 MW		132.24	17.01.1988
	Unit II - 210 MW			06.02.1987
	Unit III - 210 MW			29.03.1986
	Unit IV - 210 MW			30.03.1991
	Unit V - 210 MW			30.12.1991
	Unit VI - 210 MW			30.10.1992
	Unit VII - 210 MW			19.06.1993
4	KAIGA Unit I - 220 MW		114.09	1999-2001
	Unit II - 220 MW			1999-2001
	Unit III - 220 MW			19.05.2007
	Unit-IV-220 MW			20-01-2011
5	Simhadri Stage I- Unit I - 500 MW		461.10	24.08.2002
	Unit II - 500 MW			
6	Simhadri Stage II Unit I - 500 MW		210.10	30.09.2012
7	Talcher Stage II Unit 3- 500 MW		180.20	2002-03
	Talcher Stage II Unit 4 - 500 MW			25.10.2003
	Talcher Stage II Unit 5 - 500 MW			13.05.2004
	Talcher Stage II Unit 6 - 500 MW			05.02.2005
8	Vallur Stage-I,II, III (1500MW)		86.15	26.02.2015
9	Tuticorin, Tamilnadu 1x500 MW		121.32	29.08.2015
10	Kudankulam Unit1 1x1000		0.00	
11	NTPC (Kudgi) 1x800		244.56	15.09.2018
12	Western region bundled power		0.00	
13	New Neyveli Thermal power station (NNTPS)		52.70	
Total Share from Central Sector			1980.63	
6.4 (C) COMMISSIONING DATES OF GENERATING UNITS IN PRIVATE SECTOR (IPPs)				
S.No.	Station	Details of Unit	share as on 31/03/2021	Date of Commissioning
I. GAS				
1.	Jegurupadu GVK CCGBTPS (East Godavari Dist.)	Unit-I	0.000	04.07.1996
		Unit-II		26.10.1996
		Unit-III		11.12.1996
		Unit-IV		20.06.1997
2	Jegurupadu GVK -Extn		101.440	14.04.2009
3	Godavari CCGBTPS (Spectrum-Kakinada - East Godavari Dist.)	Unit-I	0.000	09.01.1997
		Unit-II		17.02.1997
		Unit-III		21.06.1997
		Unit-IV		31.03.1998
4	Lanco (Kondapally) (Krishna Dist.)	Unit-I	0.000	22.06.2000
		Unit-II		19.09.2000
		Unit-III		18.10.2000
5	Vemagiri (East Godavari Dist)		170.610	16.09.2006
6	Konaseema Gas Power Ltd(East Godvari Dist)		204.770	17-06-2009
7	Gautami (East Godavari Dist)		213.950	05-06-2009
II THERMAL				
8	M/s Thermal Power tech		230.550	15-09-2015
9	M/S Hinduja I & II 2 x 520 MW)		0.000	EXP 18.07.2020
10	M/s KSK Mahanadi Power Company Ltd		400.000	25-08-2014
TOTAL MW			1321.320	

6.4 (c) Commissioning Dates of Generating Units in Private Sector (Mini Hydel)					(KW)		
Sl. No.	Name of the Company	Location	District	Capacity Connected to Grid	No. x Capacity KW	Date of Commissioning	
Mini Hydel (Capacity Under Power Purchase Agreement)							
1	M/s Bhavani Hydro Power Projects Pvt. Ltd.	Guntur Branch Canal	Guntur	550	550	17-11-2004	
2	M/s. PMC Power Pvt. Ltd.	Pedanandipadu Branch Canal, G.Muppala	Guntur	650	650	17.05.2001	
3	M/s.KM Power Pvt. Ltd Guntakandala	Nippulavagu Canal, Guntakandala	Kurnool	4000	4000	06.02.2002	
4	M/s.KM Power Pvt. Ltd Velapanur	Nippulavagu Canal, Velapanoor	Kurnool	3300	3300	07-11-2002	
5	M/s.KM Power Pvt. Ltd Madhavaram	Nippulavagu Canal, Madhavaram	Kurnool	4000	4000	21-11-2003	
6	M/s Balaji Energy Ltd.	Somasila Reservoir	Nellore	12000	12000	31-12-2005	
7	M/s.Sardar Power Ltd	Nagavali river at Nagur, Gurugubilli	Vizianagara m	3000	2x1500	17-7-2008	
9	APTRIPCO	Vetamamidi (V) Addathigala (M)	East Godavari	1200	1200	15.4.2011	
		Total Mini Hydel in MW		28.700			

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

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

Sl. No.	Name of the Plant	Location	District	Installed Capacity (MW)	Commercial Operation
PROJECTS SELLING ENERGY TO APDISCOMs UNDER PPAs:					
47	M/s NREDCAP	Kondameedipalli	Kurnool	1.6	31.03.2012
48	M/s IOCL	Vajrakarur	Ananthapur	16.8	31.03.2012
49	M/s Mytrah Vayu (Pennar) Pvt Ltd. (Phase-I)	Vajrakarur	Ananthapur	16.8	27.04.2012
50	M/s.IOCL	Vajrakarur	Ananthapur	10.5	18.05.2012
51	M/s.MGM Springs private Limited	Nallakonda site	Ananthapur	0.8	19.07.2012
52	Taddas Wind Energy Limited (Phase-I)	Nallakonda site	Ananthapur	12.8	27.07.2012
53	Taddas Wind Energy Limited (Phase-II)	Nallakonda site	Ananthapur	3.2	19.07.2012
54	Taddas Wind Energy Limited (Phase-III)	Nallakonda site	Ananthapur	6.4	27.07.2012
55	Taddas Wind Energy Limited (Phase-IV)	Nallakonda site	Ananthapur	9.6	25.07.2012
56	Taddas Wind Energy Limited (Phase-V)	Nallakonda site	Ananthapur	8	17.07.2012
57	Taddas Wind Energy Limited (Phase-VI)	Nallakonda site	Ananthapur	8	17.07.2012
58	Taddas Wind Energy Limited (Phase-VII)	Nallakonda site	Ananthapur	2.4	17.07.2012
59	Vish Wind Infrastructure LLP (Phase-I)	Nallakonda site	Ananthapur	12.8	25.07.2012
60	Vish Wind Infrastructure LLP (Phase-II)	Nallakonda site	Ananthapur	6.4	19.07.2012
61	Vish Wind Infrastructure LLP (Phase-III)	Nallakonda site	Ananthapur	1.6	19.07.2012
62	M/s.Sri KPR Infra & Projects Ltd	Gandikota	YSR Kadapa	2.1	17.07.2013
63	M/s.NALCO(National Alumimium Company Limited)	Gandikota	YSR Kadapa	50.4	30.12.2012
64	Protectron Electromech Private Limited	Nallakonda site	Ananthapur	0.8	28.07.2012
65	R3K Power LLP (Formerly M/s.Sukaso Ceracolors Private Limited)	Nallakonda site	Ananthapur	1.6	09.10.2012
66	M/s.Mytrah Vayu (Pennar) Pvt Ltd (Ph-II)	Vajrakarur	Ananthapur	16.8	11.01.2013
67	M/s.Mytrah Vayu (Pennar) Pvt Ltd (Ph-III)	Vajrakarur	Ananthapur	6.3	11.01.2013
68	M/s.Mytrah Vayu (Pennar) Pvt Ltd (Ph-IV)	Vajrakarur	Ananthapur	6.3	11.01.2013
69	M/s.Mytrah Vayu (Pennar) Pvt Ltd (Ph-V)	Vajrakarur	Ananthapur	4.2	11.01.2013
70	M/s.Mytrah Vayu (Pennar) Pvt Ltd (Ph-VI)	Vajrakarur	Ananthapur	4.2	11.01.2013
71	M/s.Mytrah Vayu (Pennar) Pvt Ltd (Ph-VII)	Vajrakarur	Ananthapur	6.3	11.01.2013
72	M/s.Mytrah Vayu (Pennar) Pvt Ltd (Ph-VIII)	Vajrakarur	Ananthapur	2.1	11.01.2013
73	M/s.Oil country tublar ltd	Nallakonda site	Ananthapur	0.8	09.10.2012
74	M/s,Khandke Wind Energy Private Ltd phase-I	Nallakonda site	Ananthapur	2.4	10.04.2013
75	M/s,Khandke Wind Energy Private Ltd phase-II	Nallakonda site	Ananthapur	6.4	04.05.2013
76	M/s,Khandke Wind Energy Private Ltd phase-III	Nallakonda site	Ananthapur	4	11.07.2013
77	M/s,Khandke Wind Energy Private Ltd phase-IV	Nallakonda site	Ananthapur	2.4	04.08.2013
78	M/s. Khandke Wind Energy Pvt Ltd Phase -V	Nallakonda site	Ananthapur	16	06.09.2013
79	M/s.IOCL	Gandikota	YSR Kadapa	14.7	03.04.2013
80	M/s Neminath Trading Company (M/s.RV Consulting services Private Ltd)	Nallakonda site	Ananthapur	0.8	10.04.2013
81	M/s.Beta Wind Farms private Limited	Kadavakallu	Ananthapur	50.4	27.07.2013
82	M/s.Weld Fuse Pvt Ltd	Gandikota Jammalamadugu	YSR Kadapa	2.1	17.07.2013
83	M/s.KRBL Ltd	Gandikota Jammalamadugu	YSR Kadapa	2.1	17.07.2013
84	M/s.Saptagir Camphor limited	Nallakonda site	Ananthapur	0.8	05.08.2013
85	M/s Hitech Systems & services Ltd	P.C.Pyapalli	Ananthapur	4.2	28.03.2014
86	M/s Woodside Fashions Ltd	Chabala(V)	Ananthapur	2.1	28.03.2014
87	M/s.Mytrah Vayu (krishna) Pvt Ltd	Burugula site	Kurnool	37.4	21-02-2014
88	M/s Energon Power Resource Pvt Ltd	Tagguparthu	Ananthapur	48	08.07.2014
89	M/s.Indian Oil Corporation Limited (Suzlon)	Gandikota Jammalamadugu	YSR Kadapa	4.2	31.03.2014
90	M/s. Rayala wind Power Company Private Limited	Balavenkatapuram	Ananthapur	101.2	29.11.2013
91	M/s Rayala wind power projects Ltd	Balavenkatapuram	Ananthapur	50	26.07.2014

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

Sl. No.	Name of the Plant	Location	District	Installed Capacity (MW)	Commercial Operation
PROJECTS SELLING ENERGY TO APDISCOMs UNDER PPAs:					
92	M/s En En Electrical Engineers Pvt Limited	Vajrarakur(M)	Ananthapur	2.1	14.11.2014
93	M/s Santhiram Wind power Pvt Limited	Chabala(V)	Ananthapur	2.1	12.06.2014
94	M/s.Sri Venkateswara Pipes Limited (KPR Industries)	Gandikota, Jammalamadugu	YSR Kadapa	2.1	17.07.2013
95	M/s.Hetro Wind power project Limited	220/132 KV Kondapuram SS	YSR Kadapa	13.5	03.07.2013
96	M/s KRBL	Ganthimarri	Ananthapur	8.4	21.11.2014
97	M/s Rajasthan Gum Pvt Limited	Muthuvakuntala	Ananthapur	2.1	31.12.2014
98	M/s sterling Agro Industries Ltd	Tallimadugula	Ananthapur	4.2	29.01.2015
99	M/s BNR constructions	Kondamedapalli	Kurnool	1	19.12.2014
100	M/s Hitech Systems & services Ltd	Anantapur	Ananthapur	2.1	02.06.2015
101	Anantapura Wind Energies Pvt Limited (Rayala group)	Anantapur	Ananthapur	10	19.05.2015
102	Rayalaseema Wind Energies Pvt Limited (Rayala group)	Anantapur	Ananthapur	10	19.05.2015
103	Rayala wind power company limited	Balavenkatapuram	Ananthapur	8	15.09.2015
104	Sri Vijayeebhava Enterprises private Limited	Muthuvakuntala	Ananthapur	2.1	01.08.2015
105	Energon Ph-II(Vena Energies Power)	Tagguparthi	Ananthapur	100	11.03.2015
106	Jindal Aluminium Limited	Vajrarakur, Uravakonda.	Ananthapur	25.2	28.05.2015
107	KCT Renewable Energy Pvt Ltd(KARAMCHAND THAPAR&BROS (COAL	Borampalli	Ananthapur	24	10.08.2015
108	Sunwin power tech India LLP	Signamala	Ananthapur	4	28.11.2015
109	Vibrant green tech India (P) Ltd	Signamala	Ananthapur	0.8	28.11.2015
110	Vibrant green tech India (P) Ltd	Signamala	Ananthapur	8	15.12.2015
111	JED Solar Parks Pvt Ltd	Yatakal	Ananthapur	24	23.07.2016
112	Poly Solar Parks Pvt Ltd	Ellutla	Ananthapur	24	23.07.2016
113	Mythrah Vaayu (Indiravathi) Pvt Ltd	Pottipadu, Vajrarakur	Ananthapur	65.1	06.03.2016
114	ReNew Wind Energy (Shivapur)Pvt Ltd	Ellutla	Ananthapur	44.1	24.08.2016
115	Mythrah Vaayu (Indiravathi) Pvt Ltd	Pottipadu, Vajrarakur	Ananthapur	39.9	31.12.2015
116	KCT Renewable Energy Pvt Ltd(Renew Vayu Urja)	Molagavalli (V)	Kurnool	20.4	14.07.2016
117	KCT Renewable Energy Pvt Ltd(Renew Vayu Urja)	Nallakonda	Ananthapur	18.7	14.07.2016
118	Mytrah Vayu (Thungabadra) Pvt Ltd	Aspari (V&M)	Kurnool	98.3	15.10.2016
119	Sterling Agro Industries Ltd	Nallakonda	Ananthapur	1.6	17.08.2016
120	TSSS Infotech and Infra Ltd	Nallakonda	Ananthapur	2.4	9.3.2017
121	Animala Wind Power Pvt Ltd	Anemela (V)	YSR Kadapa	54	30.03.2017
122	Saptagir Camphor Ltd	Nallakonda	Ananthapur	0.8	05.08.2013
123	Amrit Bottlers Pvt Ltd	Nallakonda	Ananthapur	0.8	28.03.2017
124	M/s Sandla Wind Power Project Limited	Vidapanakallu	Ananthapur	50.4	31.03.2016
125	Hetero Wind Power (Pennar)Pvt Ltd	Tirumalayapalli	YSR Kadapa	10.5	19.06.2016
126	Hetero Wind Power (Pennar)Pvt Ltd	Tirumalayapalli	YSR Kadapa	6	13.07.2016
127	Hetero Wind Power (Pennar) Pvt Ltd	Tirumalayapalli	YSR Kadapa	24	21.08.2016
128	Levelstate Systems Pvt Ltd	Belguppa	Ananthapur	2.1	24.03.2016
129	Rajasthan Gumn Private Limited	Belguppa	Ananthapur	8.4	30.03.2016
130	Jai Bharath Gum & Chemicals Ltd	Belguppa	Ananthapur	2.1	20.09.2016
131	Hi-Tech Systems and Services Ltd	Belguppa	Ananthapur	2.1	27.03.2016
132	Mangalam Fashions Ltd	Belguppa	Ananthapur	2.1	30.03.2017
133	Woodside Fashions Ltd	Belguppa	Ananthapur	2.1	24.03.2016
134	Ushodaya Enterprises Pvt Ltd	Belguppa	Ananthapur	4.2	24.03.2016
135	Shrinath Gum & Chemicals	Belguppa	Ananthapur	2.1	24.03.2016

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

Sl. No.	Name of the Plant	Location	District	Installed Capacity (MW)	Commercial Operation
PROJECTS SELLING ENERGY TO APDISCOMs UNDER PPAs:					
136	Shree Ram Industries	Belguppa	Ananthapur	4.2	24.03.2016
137	Om Prakash Soni	Belguppa	Ananthapur	2.1	24.03.2016
138	Sai Pet Preforms	Belguppa	Ananthapur	2.1	24.03.2016
139	Manoj Aggarwalla	Belguppa	Ananthapur	2.1	24.03.2016
140	Imperial Arts	Belguppa	Ananthapur	2.1	27.03.2016
141	Eenadu Television Pvt Ltd	Belguppa	Ananthapur	2.1	27.03.2016
142	Prince Art Exporter	Belguppa	Ananthapur	4.2	27.03.2016
143	Kaushaliya Devi Dhoot	Belguppa	Ananthapur	2.1	29.03.2016
144	Satyanarayana Dhoot	Belguppa	Ananthapur	2.1	29.03.2016
145	Dinesh Enterprises	Belguppa	Ananthapur	2.1	31.03.2016
146	Mytrah Vayu (Krishna) Pvt Ltd	Burugula	Kurnool	8.5	24.03.2017
147	M/s orange Anantapur Wind Power Pvt Limited	Nimbagal(V)	Ananthapur	100	28.03.2016
148	Chimique (INDIA)Pvt Ltd	Pottipadu	Ananthapur	2.1	30.03.2016
149	ZR Renewables Energy Pvt Ltd	Tallaricheruvu	Ananthapur	16	27.08.2016
150	Gutaseema Wind Energy Company Private	Palakonda Hills	Ananthapur	20	22.03.2018
151	Ostro Anantapur Pvt Ltd	Honnura-Palturu	Ananthapur	100	21.07.2016
152	Orange Uravakonda Wind Power Pvt Ltd	Belguppa	Ananthapur	100.8	28.07.2016
153	ReNew Wind Energy (Shivapur)Pvt Ltd	Ellutla	Ananthapur	39.9	29.11.2016
154	Mytrah Vayu (Tungabhadra)Pvt Ltd	Aspari site	Kurnool	50.6	27.03.2017
155	Axis Wind Energy (MPR Dam)	MPR Dam,	Ananthapur	100	30.03.2017
156	Vayuputhra Energy Pvt Ltd	Vajrarakur	Ananthapur	20	22.03.2018
157	ReNew Wind Energy (Shivapur) Pvt Ltd	Madugupalli	Ananthapur	4.2	13.10.2016
158	Vayu Urja Bharat Pvt Ltd	Guruvempalli	Ananthapur	120	31.03.2017
159	NATCO	Betamcherla	Kurnool	1.6	09.09.2016
160	Danu Wind Parks Pvt Ltd	Betamcherla	Ananthapur	22.4	07.09.2016
161	Ostro Andhra Wind Pvt Ltd	Rampuram	Ananthapur	98.7	23.03.2017
162	Ostro AP Wind Pvt Ltd	Rallapalli	Ananthapur	98.7	23.03.2017
163	Sterling Agro Industries Ltd	Nallakonda	Ananthapur	7.2	17.08.2016
164	M/s. Fujin Wind Parks Pvt Ltd	Kandimalayapalli	Ananthapur	46	31.03.2017
165	Aeolus Wind Parks Pvt Ltd	Kandimalayapalli	Ananthapur	24	09.08.2017
166	Jaibharat Gum & Chemicals Pvt Ltd	Ragulapadu	Ananthapur	2.1	20.09.2016
167	RBA Properties Pvt Ltd	Pottipadu	Ananthapur	2.1	20.09.2016
168	ReNew Wind Energy (Shivapur)Pvt Ltd	Ellutla	Ananthapur	31.5	13.10.2016
169	M/s. Helios Infratech Pvt Ltd	Badra Puram	Ananthapur	100.8	30.03.2017
170	M/s.Skiron Renewable Energy (Amidyala)Pvt Ltd	Amidyala (V)	Ananthapur	226.8	28.03.2017
171	Saipuram Wind Energies Pvt Ltd	Rudrampalli	Ananthapur	104.5	23.3.2017
172	M/s. Animala Wind Power PVt Ltd	Nandipalli (V)	YSR Kadapa	30	24.08.2017
173	Tata Power Renewable Energy PVt Ltd	Honnura - Palturu	Ananthapur	100	27.12.2016
174	Danu Wind Parks Pvt Ltd	Nelakota	Ananthapur	23	30.06.2017
175	M/s. PTC Energy Ltd (customer of gamesa)	Mulagavali	Kurnool	50	18.3.2017
176	KCT Renewable Eney Ph-1	Mulagavali	Kurnool	20	28.02.2017
177	KCT Renewable Eney Ph-2	Mulagavali	Kurnool	20	28.02.2017
178	PTC Energy Pvt Ltd	Kandimalayapalli	YSR Kadapa	49.3	24.03.2017
179	PTC Energy Pvt Ltd	Payalakuntla	YSR Kadapa	40	30.03.2017
180	KPR Infra & Projects Ltd	Tallimadugula	Ananthapur	2	30.03.2017

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

Sl. No.	Name of the Plant	Location	District	Installed Capacity (MW)	Commercial Operation
PROJECTS SELLING ENERGY TO APDISCOMs UNDER PPAs:					
181	Bommidala Enterprises Pvt Ltd	Tallimadugula	Ananthapur	2	30.03.2017
182	Poonawalla Aviation Pvt Ltd	Belguppa	Ananthapur	6.3	18.03.2017
183	Poonwalla Shares & Securities Pvt Ltd	Belguppa	Ananthapur	4.2	18.03.2017
184	Cyzachem Pvt Ltd	Belguppa	Ananthapur	4.2	18.03.2017
185	Villos Greenfield Farms	Belguppa	Ananthapur	6.3	18.03.2017
186	Cyrus Poonawalla Family Trust	Belguppa	Ananthapur	2.1	18.03.2017
187	Poonawalla Estate Stud & A gri Farm Pvt Ltd	Belguppa	Ananthapur	4.2	18.03.2017
188	Chanda Investment & Trading C.Pvt Ltd	Belguppa	Ananthapur	4.2	18.03.2017
189	Adurjee Bros Pvt Ltd	Belguppa	Ananthapur	14.7	18.03.2017
190	Naukhal Investment Pvt Ltd	Belguppa	Ananthapur	4.2	18.03.2017
191	Eenadu Television Pvt Ltd	Vajrakarur	Ananthapur	10.5	18.03.2017
192	Ushodaya Enterprises Pvt Ltd(A Division of Renewable Energy)	Vajrakarur	Ananthapur	2.1	18.03.2017
193	Arkas Energy LLP	Vajrakarur	Ananthapur	2.1	18.03.2017
194	Jai Bharath Gum & Chemicals Ltd	Vajrakarur	Ananthapur	4.2	18.03.2017
195	Rajasthan Gum Pvt Ltd	Vajrakarur	Ananthapur	4.2	18.03.2017
196	Chimique (India) Ltd	Vajrakarur	Ananthapur	2.1	18.03.2017
197	Mayank Green Energy	Belguppa	Ananthapur	2.1	18.03.2017
198	Hi -Tech Systems & Service Ltd -Ph-2	Belguppa	Ananthapur	8.4	18.03.2017
199	Hi -Tech Systems & Service Ltd -Ph-1	Belguppa	Ananthapur	4.2	18.03.2017
200	Eenadu Television Pvt Ltd	Belguppa	Ananthapur	2.1	18.03.2017
201	Ushodaya Enterprises Pvt Ltd(A Division of Renewable Energy)	Belguppa	Ananthapur	6.3	18.03.2017
202	PTC Energy Pvt Ltd	Devankonda	Ananthapur	49.5	30.03.2017
203	Green Infra Wind Solution Ltd	Karadikonda	Ananthapur	49.5	30.03.2017
204	Mangalam Fashions Limited	Tallimadugula	Ananthapur	2	30.03.2017
205	HC commercial LTD	Tallimadugula	Ananthapur	2	30.03.2017
206	Amrit Bottlers Prviate Limited	Tallimadugula	Ananthapur	2	30.03.2017
207	RSM Estates Ltd	Tallimadugula	Ananthapur	2	30.03.2017
208	Daulat Financial Services Private Limited	Tallimadugula	Ananthapur	2	30.03.2017
209	Dindore	Mulagavali	Kurnool	9.2	30.03.2017
210	Axis Wind Energy (Anantapur) PVt Ltd	MPR Dam / Kuderu	Ananthapur	105	23.03.2017
211	Mulagavalli Renewable Energy Pvt Ltd (customer of gamesa)	Mulagavali	Kurnool	46	30.03.2017
212	NREDCAP Ltd (customer of gamesa)	Mulagavali	Kurnool	4	30.03.2017
213	Axis Wind Farm (Rayalaseema)Pvt Ltd	MPR DAM/Kuderi	Ananthapur	105	02.03.2018
214	M/s Zemira Renewable Energy Ltd (formerly Adani Wind Energy (AP) Limited)	Borampalli	Ananthapur	50.4	27.03.2018
215	The KTM Jewellery Pvt Ltd(KKV Agro)	Nallakonda	Ananthapur	1.6	09.03.2017
216	Mytrah Vayu (Krishna) Pvt Ltd	Burugula	Kurnool	2.3	03.03.2018
217	Vibrant green tech India (P) Ltd	komatikuntlakadavakal	Ananthapur	4.5	09.06.2006
218	Vibrant green tech India (P) Ltd	Kadavakallu	Ananthapur	2	03.06.2019
Grand Total				3767.95	

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

Sl. No.	Name of the Plant	Location	District	Connected Capacity (in MW)	Commercial Operation Date
Bio mass Projects (Under Power Purchase Agreement)					
1	M/s Rithwik Energy Systems Ltd.	Srikalahasti Mandal	Chittoor	6	17.09.2022
2	M/S. Om Shakthi Renergies Limited.	Pannuru (V), Vijayapuram (M),	Chittoor	6	23.01.2024
3	M/s Suchand Power Generation Pvt. Ltd.,	Nandyal(M),	Kurnool	6	27.11.2022
4	M/s Greenco Energies Pvt Limited (formerly M/s. Sri Balaji Biomass Power (P) Ltd).	Chennur, Mydukuru, (M),	YSR Kadapa	6	13.04.2024
5	M/s Greenco Energies Pvt Limited (formerly KMS Power Pvt. Ltd.)	Sattenapalli (M),	Guntur	6	21.07.2022
6	M/s Velagapudi Power Generation Pvt. Ltd.,	Doppalapudi (V), Ponnur (M)	Guntur	4	12.12.2026
7	M/s Sathya Maharshi Power Corporation Ltd.,	Penamaluru	Krishna	6	21.07.2024
8	M/s Satyakala Power Projects Pvt. Ltd., Hyderabad.	Pamaru Mandal	Krishna	4	08.11.2021
9	M/s Veeraiah Non-Conventional Power Projects Pvt. Ltd.,	Nellore (V)&(M)	Nellore	4	25.10.2022
10	M/s SLS Power Pvt. Ltd.	Nellore (V)&(M)	Nellore	6	22.08.2021
11	M/s.Sree Venkata Sree Devi((Bollineni Castings) (B.Seenaiah & Co. (Projects) Ltd)).	Suryapalem (V), Podalakuru (M),	Nellore	6	21.10.2023
12	M/s Varam Power Projects (P) Ltd.	Etcherla(M),	Srikakulam	6	11.12.2021
13	M/s Perpetual energy Systems Ltd	Appayyapet (V), Seethanagaram(M)	Vizianagaram	6	22.03.2023
14	M/s Agri Gold Projects Ltd.	Dupadu Village, Tripurantakam Mandal, APSPDCL	Prakasham	4	06.07.2023
15	M/s Jyothi Bio Energy Pvt. Ltd.(2nd Project)	Gundlapalli Village, Maddipadu Mandal	Prakasham	6	24.11.2023
16	M/s Clarion Power Corpn. Ltd.,	Tanguturu (V) & (M)	Prakasham	12	20.02.2024
17	M/s Agri Gold Projects Ltd.	Dupadu Village, Tripurantakam Mandal,	Prakasham	2	22.06.2027

18	M/s Singaraya Hills Green Power Ltd	Hasnapur(v) Tripurantakam(M)	Prakasham	8	12.07.2028
19	M/s Matrix Power Pvt. Ltd.	Karampudi Village & Mandal	Guntur	4.5	14.08.2021
20	M/s Sri Kalyani Agro Products & Industries Ltd.	Prathipadu Village, Pentapadu Mandal	West Godavari	4	18.12.2022
21	M/s Shree Papers Ltd., Hyderabad.	Peddapuram(M)	East Godavari	4	09.03.2023
22	M/s Vijaya Agro Products Ltd.,	Enikepadu, Vijayawada.	Krishna	4	04.01.2022
23	M/s Balaji Agro Oils Ltd.	Davuluru (V), Kankipadu (M), APSPDCL	Krishna	4.5	01.06.2023
24	M/s Vishnu Vidyut India Ltd	Narasingabilli, Kasimkota	Vishakaptnam	7.5	25.12.2024
Total				132.5	

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

Sl. No.	Name of the Plant	Location	District	Connected Capacity (in MW)	Commercial Operation Date
Bagasse Co-generation (Under Power Purchase Agreement)					
1	M/s SNJ Sugars & Allied Products Ltd.	Nilavoy (V) Srirangarajapuram	Chittoor	20	12.01.2023
2	M/s.KCP Sugar & Industries Corporation Ltd.	Vuyyuru (V&M),	Krishna	12	25.12.2025
3	M/s KCP Sugars & Industries Ltd.,	Lakshmpuram (V), Challapalli (M)	Krishna	5	17.01.2026
4	M/s Empee Power Projects Ltd	Nellore	Nellore	20	11.03.2030
5	M/s EID Parry(GMR Technologies & Industries Ltd)	Sankili (V), R.Amadalavalasa (M)	Srikakulam	16	14.08.2021
6	M/s. The Chodavaram Co-operative Sugars Ltd.,	Nellore Dist, (V), Chodavaram (M)	Visakhapatnam	7	05.04.2023
7	M/s.KBD Sugars (Formerly Shree Vaani Sugars & Industries) Limited	Mudipapanapalli (V) Punganur (M),	Chittoor	6	07.08.2023
8	M/s The Jeypore Sugar Company Ltd.	Chagallu (V)& (M),	West Godavari	12	10.12.2023
9	M/s Nava Bharat Ferro Alloys Ltd. (Deccan Sugars)	Samalkot,	East Godavari	7	22.11.2025
Total				105	

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

Sl. No.	Name of the Plant	Location	District	Connected Capacity (in MW)	Commercial Operation Date
Industrial Waste Based (Under Power Purchase Agreement)					
1	M/s Sai Renewable Power Pvt. Ltd.	Kamavarapukota	East Godavari	4.5	08.04.2004
2	M/s Raus Power (P) Limited.	Duppalapdu (V)	East Godavari	3.66	27.02.2009
3	M/s 3F Industries Ltd.,	Tadepalligudem	West Godavari	6	04.05.2006
4	M/s Redan	Gangavaram, Palamaner	Chittoor	7.5	31.03.2015
Total				21.66	
Sl. No.	Name of the Plant	Location	District	Connected Capacity (in MW)	Commercial Operation Date
Municipal Waste Based (Under Power Purchase Agreement)					
1	M/s Shriram Energy Systems Pvt. Ltd.	Vijayawada	Krishna	6	14.12.2003
2	Vijayawada Municipal Corporation	Vijayawada	Krishna	0.15	11.11.2004
Total				6.15	

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

PROJECTS SELLING ENERGY TO APDISCOMs UNDER PPAs:

Sl. No.	Name of the Plant	Location	District	Installed Capacity	Commercial Operation Date
1	NTPC VIDYUT VYAPAR NIGAM LIMITED ACCOUNT SOLAR POWER	Ananthapur	Ananthapur	39.2	27.10.2014
2	NTPC (NP Kunta Ultra Mega Solar park)	NP Kunta	Ananthapur	250	09.05.2016
3	NTPC,(Ghani, Kurnool Ultra Mega Solar park)	Kurnool	Kurnool	1000	31.03.2017
4	SOLAR ENERGY CORPORATION OF INDIA LTD (SECI-AZURE 50MW)	Kadapa	Kadapa	50	04.06.2018
5	SOLAR ENERGY CORPORATION OF INDIA LTD (SECI-FRV 2 - 50MW)	Kadapa	Kadapa	50	08.10.2018
6	SOLAR ENERGY CORPORATION OF INDIA LTD 2*50 (SECI-TATA 100MW)	Kadapa	Kadapa	100	22.07.2018
7	SOLAR ENERGY CORPORATION OF INDIA LTD (SECI-FRV 1 - 50MW)	Kadapa	Kadapa	50	21.07.2018
8	SOLAR ENERGY CORPORATION OF INDIA LTD (SECI-ACME 150MW)	Kadapa	Kadapa	150	03.08.2018
9	SRI POWER GENERATION (INDIA) PVT. LTD,	Chervi	Chittoor	2	18.03.2011
10	A P INDUSTRIAL INFRASTRUCTURE CORPN LTD	Gooty	Anantapuram	1	15.03.2012
11	KISHORE ELECTRO INFRA PVT LTD	Perecherla (V) Guntur Rural	Guntur	1	13.03.2012
12	SRI POWER GENERATION (INDIA) PVT LTD -	Kotagallu, Kadiri(M)	Anantapuram	1	14.01.2012
13	AMRITJAL VENTURES PVT LTD	Kotagallu, Kadiri(M)	Anantapuram	1	07.03.2012
14	GAJANAN FINANCIAL SERVICES PRIVATE LIMITED	Laddagiri (V)	Kurnool	1	14.03.2012
15	NEW ERA ENVIRO VENTURES (MAHABUBNAGAR) PVT LTD	Rayachoti	Kadapa	10	30.03.2016
16	SPROUTS ENERGY PVT LTD	Pamulapadu	Kurnool	2	08.09.2016
17	SAI ACHYUTH ENERGY PVT LTD	Kurnool	Kurnool	5	18.10.2015
18	SUMERU ENERGY PVT LTD	Jagadurthy(V) Dhone(M)	Kurnool	5	22.09.2016
19	PALNADU SOLAR POWER PVT LTD	Inimella (V), Ipur(M)	Guntur	5	31.03.2016
20	SRI LAKSHMI VENKATESWARA GREEN ENERGY PVT LTD	Krishna	Krishna	1	30.06.2014
21	ABHEDYA POWER PVT LTD	Ubicherla	Anantapuram	2	08.08.2014
22	AMARAVATHI TEXTILES PVT LTD	Atmakur	Nellore	10	28.11.2015
23	WALWHAN RENEWABLE ENERGY LIMITED 30MW	Balapur, Kadapa Dist	Kadapa	30	20.03.2016
24	EAAMA ESTATES PVT LTD	GR Valasa	Vizianagaram	3	30.03.2016
25	MADDIMADUGU POWER PRIVATE LIMITED (EARLIER RAAJ RATNAENERGY)	Maddimaduggu, Nallacheruvu(M),	Anantapuram	5	19.11.2015
26	WALWHAN RENEWABLE ENERGY LIMITED 70MW	Banaganapalli	Kurnool	70	30.03.2016
27	VBC RENEWABLE ENERGY PVT LTD	Garividi	Vizianagaram	3	20.07.2016
28	BRIGHT SOLAR RENEWABLE ENERGY PVT LTD	Jammalabanda, Ananthpuram	Anantapuram	10	05.01.2016
29	GRT JEWELLERS (INDIA) PVT. LTD	Jammalabanda, Ananthpuram	Anantapuram	6	05.01.2016
30	AAROHI SOLAR PRIVATE LIMITED	Hindupur	Anantapuram	50	29.03.2016
31	VISHWATMA SOLAR ENERGY PVT LTD	Kadivella (V), Yemmiganur(M)	Kurnool	30	30.04.2016
32	RENEW SOLAR ENERGY(KARNATAKA) PVT LTD 39MW	Adoni	Kurnool	39	04.03.2016
33	HINDUPUR SOLAR PARK PRIVATE LTD	Beechiganipalli and Seagipalle(V),	Anantapuram	40	31.03.2016
34	DAYANIDHI SOLAR POWER PVT LTD	Morasapudi, & Gunjarlapalli (V),	Chittoor	40	01.04.2016

Sl. No.	Name of the Plant	Location	District	Installed Capacity	Commercial Operation Date
35	HINDUPUR SOLAR PARK PRIVATE LTD (PH 1 TO 4)	Chittor	Chittor	40	28.06.2016
36	SEI GREEN FLASH PVT LTD (30MW)	Adurupalli	Nellore	30	27.10.2017
37	SEI ARUSHI PVT LTD (30 MW)	Kadiri	Anantapuram	30	28.10.2017
38	NIRANJANA SOLAR ENERGY PVT LTD	PUCHAKAYALA Mada(V).	Kurnool	20	31.03.2016
39	AZURE POWER INFRASTRUCTURE PVT LTD	Vemulapadu & Titralapalle(V),Yadi	Anantapuram	50	28.03.2016
40	RENEW SOLAR ENERGY (KARNATAKA) PVT LTD - 21 MW	Tarupadu (V&M)	Prakasam	21	08.03.2016
41	WAANEEP SOLAR PVT LTD 25MW (NAGARI)	Nagari	Chittor	25	02.08.2018
42	RAIN COKE LTD (22 MW)	Kunuthur,Dharmavaram(M)	Kurnool	22	07.11.2017
43	YASWANTH SOLAR ENERGY PVT LTD	Kothapalli Mudunuru (M)	Kadapa	1	01.10.2016
44	WAANEEP SOLAR PVT LTD	Marrimakulapalli(V) Guramkonda(M)	Chittor	25	29.09.2016
45	ACME JAISALMER SOLAR POWER PVT. LTD	Rohukurupalli (V) Rayachoti,Ramapu	Kadapa	20	12.05.2016
46	NREDCAP LTD 1MW	Gollavanitippa, Bhimavaram Rural	West Godavari	1	10.08.2016
47	SB ENERGY PRIVATE LIMITED 3 MW	Midhur	Kurnool	3	21.03.2019
48	SBG (NP Kunta, NTPC)	NP Kunta	Anantapuram	250	11.03.2020
49	Ayana Ananthapuram (NP Kunta, NTPC)	NP Kunta	Anantapuram	250	31.03.2021
50	KADAPA Mylavaram NTPC	Mylavaram	Kadapa	250	31.05.2019
Total				3100.2	
State Installed Capacity Grand Total in MW				17733.956	

6.5 STATION WISE GENERATION - THERMAL (2014-15 TO 2020-21)

S.No.	Year	VTPS	RTPP	Krishnapatnam	TOTAL (MU)
1	2014-15 (Apr to May)	2022.18	1124.74	38.42	3185.34
	2014-15 (Jun to Mar)	9553.27	5294.22	1380.99	16228.48
2	2015-16	10972.67	6542.75	4529.01	22044.43
3	2016-17	10627.3	6019.93	8081.53	24728.76
4	2017-18	9849.51	6218.82	4493.64	20561.97
5	2018-19	9904.60	5965.89	6490.34	22360.83
6	2019-20	10024.29	5798.1	6647.59	22469.98
7	2020-21	7593.73	2046.42	6790.22	16430.37

**6.5(A) GAS BASED STATION (VIJESWARAM) GENERATION (MU)
(JOINT SECTOR) 2014-15 TO 2020-21**

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

(*) Generation data as per SLDC

6.6 STATION WISE GENERATION - HYDEL (2015-16 to 2020-21)

MU

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

*As per data received from APGENCO (Including Auxiliary consumption)

6.7 GENERATION, PURCHASE, IMPORT AND EXPORT OF ENERGY												
Generation (Gross), Purchases, imported and wheeled												
Year	Hydel	Thermal	Total	NTPC+MAPP + Kaiga+Neyveli	Karnataka	Tamil Nadu	Orissa	M.P / GEB/PSEB /CSEB	Maharashtra	Others \$	Total	Grand Total
1971-72	1221	1824	3045	-	266	14	-	-	-	-	280	3325
1972-73	974	2053	3027	-	103	44	-	-	-	-	147	3174
1973-74	910	2196	3106	-	67	43	395	-	-	-	505	3611
1974-75	533	2709	3242	-	81	33	518	-	-	-	632	3874
1975-76	941	2729	3670	-	47	95	332	-	-	-	474	4144
1976-77	1680	3145	4825	-	50	56	223	-	-	-	329	5154
1977-78	2002	3146	5148	-	58	99	105	-	-	-	262	5410
1978-79	3180	2876	6056	-	50	67	10	-	-	-	127	6183
1979-80	3225	3268	6493	-	48	55	1	-	-	-	104	6597
1980-81	3680	3596	7276	-	32	42	28	-	-	-	102	7378
1981-82	3984	5093	9077	-	9	10	21	-	-	-	40	9117
1982-83	4684	5562	10246	-	6	-	16	-	-	-	29	10275
1983-84	5092	5909	11001	173	1	-	-	9	-	-	183	11184
1984-85	6716	5835	12551	834	-	-	-	17	-	-	851	13402
1985-86	5453	6772	12225	2095	-	-	-	141	-	-	2236	14461
1986-87	6517	7282	13799	1979	-	-	-	240	-	-	2219	16018
1987-88	5864	7986	13850	1605	-	30	-	212	-	-	1847	15697
1988-89	6878	7263	14141	2376	1	6	-	527	-	-	2910	17051
1989-90	7802	7222	15024	3550	4	-	-	468	-	25	4047	19071
1990-91	10017	8102	18119	2725	2	-	-	73	135	49	2984	21103
1991-92	9516	8726	18242	4595	-	-	48	22	140	461	5266	23508
1992-93	8758	9114	17872	6748	-	-	-	201	87	466	7502	25374
1993-94	9633	9639	19272	7612	-	-	-	32	346	603	8593	27865
1994-95	9687	10842	20529	8449	-	-	149	109	208	541	9456	29985
1995-96	6662	15103	21765	7814	-	-	585	34	89	637	9159	30924
1996-97	7970	16720	24690	6964	-	-	290	6	-	1733	8993	33683
1997-98	7245	19019	26265	7321	-	-	651	0	260	3649	11881	38146
1998-99	7189	19834	27023	6921	-	-	924	51	340	5314	13551	40573
APGENCO												
1999-2K	8133.00	21499.10	29632.10									29632.10
2000-01	7230.68	21934.25	29164.93									29164.93
2001-02	5757.10	22245.00	28002.10									28002.10
2002-03	3336.85	23032.54	26369.39									26369.39
2003-04	2958.98	22455.39	25414.37									25414.37
2004-05	5267.22	21145.07	26412.29									26412.29
2005-06	7872.53	18718.33	26590.86									26590.86
2006-07	9246.63	19994.07	29240.70									29240.70
2007-08	9509.76	21451.57	30961.33									30961.33
2008-09	7702.54	23294.47	30997.01									30997.01
2009-10	5450.48	24101.16	29551.64									29551.64
2010-11	7717.67	26845.62	34563.29									34563.29
2011-12	6375.55	32893.11	39268.66									39268.66
2012-13	3206.64	34729.55	37936.19									37936.19
2013-14	7142.91	31706.00	38848.91									38848.91
2014-15	3750.30	19868.38	23618.68									23618.68
2015-16	2486.51	21217.17	23703.68									23703.68
2016-17	2312.58	24728.76	27041.34									27041.34

Western Electricity Boards

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

(Contd.,)

6.7 GENERATION DATA (Ex-bus)PARTICULARS

APGENCO										
Year	Hydel	Thermal	Total	VGTS	CGS	SOLAR	WIND	IPPS	OTHERS	TOTAL
2016-17	2312.58	24728.76	27041.34	673.82	14600.51	1543.44	3184.78	4114.21	4081.85	55239.95
2017-18	2680.87	20561.95	23242.82	1165.04	10535.46	3699.25	6370.35	2228.30	11576.33	58817.55
2018-19	2680.45	22360.83	25041.28	1091.40	8018.12	4460.49	8900.29	3531.33	12100.65	63143.56
2019-20	3529.60	22469.97	25999.57	980.63	14698.3	5244.1	6613.47	4674.80	4711.82	62922.69
2020-21	3821.86	16430.37	20252.23	1226.14	12151.75	6975.64	6491.84	1986.92	13985.67	63070.19

* EX-Bus generation data from SLDC

6.8 APSEB SALE OF ENERGY AND LINE LOSSES

(Figures in MU)

Year ending March	Total Net Generation + Purchases	Sales with in the state \$	Sales to other states and export	Total Sales	Line Loss	% Line Loss	Other Energies handled
1971-72	3185.17	2336.55	3.59	2340.14	845.03	26.53	--
1972-73	3018.51	2185.72	61.36	2247.08	771.43	25.56	--
1973-74	3435.30	2495.03	90.62	2585.65	849.65	24.73	--
1974-75	3631.26	2636.76	100.29	2737.05	894.21	24.63	--
1975-76	3842.65	2803.70	102.54	2906.24	936.41	24.37	--
1976-77	4804.94	3443.19	189.98	3633.17	1171.77	24.39	--
1977-78	5039.81	3788.16	113.18	3901.34	1138.47	22.59	--
1978-79	5824.29	4341.33	271.92	4613.25	1211.04	20.79	--
1979-80	6195.48	4557.55	312.14	4869.69	1325.79	21.40	--
1980-81	6915.19	5109.93	281.50	5391.43	1523.76	22.03	--
1981-82	8551.86	6099.76	478.53	6578.29	1973.57	23.08	--
1982-83	9648.52	7106.66	313.58	7420.24	2228.28	23.09	--
1983-84	10521.08	7722.08	551.35	8273.43	2247.65	21.36	--
1984-85	12716.99	9239.16	873.04	10112.20	2604.79	20.48	--
1985-86	13730.60	10321.28	538.23	10859.51	2871.09	20.91	--
1986-87	15217.78	11769.92	301.12	12071.04	3146.74	20.68	--
1987-88	14870.95	11678.16	214.27	11892.43	2978.52	20.03	--
1988-89	16305.34	13059.48	146.10	13205.58	3099.76	19.01	--
1989-90	18341.93	14434.56	193.02	14627.58	3714.35	20.25	--
1990-91	20233.14	16093.10	161.06	16254.16	3978.98	19.67	--
1991-92	22549.27	18015.95	182.16	18198.11	4351.16	19.30	255.87
1992-93	24415.76	19542.44	195.00	19737.44	4678.32	19.16	304.56
1993-94	26862.91	21606.04	139.54	21745.58	5117.33	19.05	344.46
1994-95	28847.57	23349.18	34.16	23383.34	5464.23	18.94	327.2
1995-96	29457.3	23882.35	23.00	23905.35	5551.95	18.85	427.02
1996-97	32092.22	21747.68	62.61	21810.29	10281.93	32.01*	880.00
1997-98	36357.51	24309.11	27.61	24336.72	12020.79	33.06*	694.65
1998-99	38720.01	23982.4	24.00	24006.40	14713.61	38.00*	1462.36

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

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

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

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

6.9 PERFORMANCE OF VIJAYAWADA THERMAL POWER STATION

S.No.	Item	Unit	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21
1.	Units Generated	MU	10228.07	10283.63	10164.27	9851.05	9754.94	9953.95	9765.44	10340.94	10727.18	12408.14	14159.09	13410.51	12833.42	12704.85	12066.23	11654.38	10821.93	10887.55	11060.39	8331.60
2.	Auxiliary consumption	MU	882.44	901.58	916.77	924.75	917.17	880.31	862.05	895.32	947.96	960.45	1115.26	1093.94	1050.14	1077.56	1098.16	1008.32	977.12	815.57	1002.80	715.44
3.	Auxiliary consumption %	%	8.63	8.77	9.02	9.39	9.4	8.84	8.83	8.66	8.84	7.74	7.88	8.16	8.18	8.48	9.10	8.65	9.03	9.03	9.07	8.59
4.	Service	Hours	8197.94	8298.76	8364.36	8067.55	8234.62	8104.99	7941.16	8332.00	7858.06	7418.53	8342.98	8057.27	8004.25	8211.56	8018.89	7828.36	7213.53	7727.12	7959.43	5609.92
5.	Planned maintenance	Hours	562.06	461.24	419.64	692.45	525.38	655.01	842.84	428.00	901.94	1341.47	441.02	702.73	755.75	548.49	759.48	805.13	1344.85	984.63	824.52	3150.38
6.	Forced outage																					
7.	Reserve shutdown																					
8.	Availability factor	%	93.58	94.73	95.22	92.10	94.00	92.52	90.40	95.11	89.70	84.69	94.98	91.98	91.37	93.74	91.29	89.36	82.35	88.21	90.61	90.64
9.	P.L.F.	%	92.67	93.17	91.84	89.25	88.38	90.18	88.23	93.69	87.94	80.48	91.59	86.98	83.24	82.40	78.05	75.59	70.19	70.62	71.54	54.04
10.	KWH / KW		8118	8162	8067	7818	7742	7900	7750	8207	7704	7050	8045	7620	7292	7219	6856	6622	6149	6186	6284	4734

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6.10 PERFORMANCE OF NELLORE THERMAL POWER STATION

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

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

6.11 PERFORMANCE OF RAYALASEEMA THERMAL POWER STATION

S.No.	Item	Unit	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21
1.	Units generated	MU	3401.58	3353.78	2370.99	3293.7	4416.59	6741.61	6376.56	6255.32	8075.76	7692.6	7056.69	7163.53	7292.70	6712.60	6926.44	6637.32	6408.35	2278.46
2.	Auxiliary consumption	MU	331.64	314.62	240.69	321.37	435.34	618.32	599.42	609.56	754.08	734.11	708.37	743.14	760.08	691.75	695.46	687.52	608.71	232.20
3.	Auxiliary consumption	%	9.75	9.38	10.15	9.76	9.84	9.17	9.4	9.61	9.34	9.54	10.04	10.37	10.42	10.31	10.23	10.36	9.50	10.19
4.	Service hours	Hrs	8179.51	8142.17	6137.55	8058.6	7827.61	8351.2	7862.45	7805.5	8288.3	7954.75	7633.72	7960.65	8270.37	7680.38	7691.43	6570.76	5485.05	1714.16
5.	Planned maintenance	Hrs	604.49	617.83	2622.45	701.38	956.39	408.8	897.55	954.5	495.7	805.25	1126.28	673.35	485.56	535.36	949.22	2729.34	3298.85	7045.84
6.	Forced outage																			
7.	Reserve shutdown																			
8.	Availability factor	%	93.12	92.95	70.06	91.99	89.11	95.33	89.75	89.10	94.36	90.81	87.14	92.31	94.15	87.68	87.80	60.93	62.44	85.88
9.	P L F	%	92.20	91.16	64.44	89.52	82.94	91.62	86.66	81.64	87.56	83.63	76.72	77.88	79.07	72.98	73.94	45.92	44.22	15.76
10.	KWH / KW		8099	7985	5645	7842	7010	8026	7591	8178	7691	7326	6721	6822	6945	6393	4198	4023	3884	1380.89

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

**6.12 PERFORMANCE OF THERMAL UNITS SINCE COMMISSIONING
(1965-66 TO 2019-20)**

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

Contd ..

6.12 PERFORMANCE OF THERMAL UNITS SINCE COMMISSIONING

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

Contd ..

6.12 PERFORMANCE OF THERMAL UNITS SINCE COMMISSIONING

Station/ Unit	Capa- city MW	1978-79		1979-80		1980-81		1981-82		1982 - 83		1983 - 84		1984 - 85	
		Gen	PLF	Gen	PLF	Gen	PLF	Gen	PLF	Gen	PLF	Gen	PLF	Gen	PLF
		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

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

6.12 PERFORMANCE OF THERMAL UNITS SINCE COMMISSIONING

Station	Capacity MW	2015-16		2016-17		2017-18		2018-19		2019-20		2020-21	
		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
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
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
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
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
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
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
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
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
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
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
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
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
RTPP-Unit-VI	600	---	--	---	--	125.05	---	1089.36	20.73	2348.21	44.55	869.466	16.54
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
TOTAL THERMA	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

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

(Contd.,)

6.14 HYDEL RESERVOIR PARTICULARS

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

6.15 YEAR-WISE STORAGE AND INFLOWS

Year	Initial level in	Gross Storage in	During July -June	
	ft as on 1st July		TMC ft	Inflows 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

6.15 YEAR-WISE STORAGE AND INFLOWS					
Year	Initial level in	Gross Storage in	During July -June		
	ft as on 1st July		TMC ft	Inflows TMC ft	
1996-97	2711.60	9.72	53.71	54.28	
1997-98	2711.40	9.64	35.23	37.58	
1998-99	2694.10	4.52	50.00	38.41	
1999-00	2730.00	18.82	51.71	46.84	
2000-01*	2730.00	18.82	41.27	42.52	
2001-02	2724.70	15.73	51.72		
2002-03*	2728.10	17.67	22.22	36.92	
2003-04*	2686.50	3.01	47.50		
2004-05*	2732.20	20.32	49.77		
2005-06*	2719.00	12.85	54.74	48.14	
2006-07*	2731.10	19.52	68.13	52.79	
2007-08*	2726.00	16.45	63.52	30.22	
2008-09*	2744.50	26.78	34.57	38.79	
2009-10*	2724.10	12.65	32.27	41.33	
2010-11*	2705.10	4.72	53.05	37.25	
2011-12	2742.70	25.23	24.33	32.21	
2012-13	2732.05	17.47	46.95	44.77	
2013-14	2731.35	16.99	49.51	39.67	
2014-15	2736.55	20.55	36.13	44.80	
DATA OF BALIMELA RESERVOIR				AP	ORISSA
1981-82	1441.80	34.30	63.60	51.60	58.80
1982-83	1431.80	27.60	83.00	57.90	58.40
1983-84	1436.10	30.70	106.30	65.10	81.60
1984-85	1434.80	29.50	64.20	56.80	60.60
1985-86	1433.30	28.60	57.20	41.50	48.70
1986-87	1433.70	28.80	77.10	60.30	62.70
1987-88	1432.00	27.80	43.20	32.30	32.40
1988-89	1433.80	28.90	59.60	48.50	47.80
1989-90	1437.20	31.11	86.83	57.40	57.40
1990-91	1447.60	38.83	188.24	77.30	80.60
1991-92	1468.70	52.92	80.58	76.20	80.90
1992-93	1435.3	29.83	93.29	75.30	77.40
1993-94	1432.4	28.00	49.03	40.90	43.80
1994-95	1432.40	28.00	165.26	74.54	77.56
1995-96	1469.80	59.06	75.46	80.71	80.71
1996-97	1447.70	38.91	71.41	61.37	63.90
1997-98	1442.80	35.10	51.98	44.74	44.11
1998-99	1442.80	35.10	66.00	48.01	47.96
1999-00	1460.20	49.56	98.76	61.56	68.43
2000-01*	1460.20	49.56	66.66	63.72	57.97
2001-02	1440.70	33.53	76.78	64.30	61.57
2002-03*	1439.80	32.87	34.28	36.74	31.81
2003-04	1441.00	33.75	121.30		
2004-05	1473.80	63.43	94.16	79.52	86.22
2005-06	1456.00	46.05	86.21	65.79	59.35
2006-07	1463.50	52.73	151.67	85.15	89.30
2007-08	1483.20	74.91	108.96	76.52	101.64
2008-09	1474.70	31.42	72.35	92.52	53.01
2009-10	1448.20	6.31	58.46	33.23	45.68
2010-11	1466.40	22.56	126.35	56.23	72.51

6.15 YEAR-WISE STORAGE AND INFLOWS					
Year	Initial level in	Gross Storage in	During July -June		
	ft as on 1st July		TMC ft	Inflows TMC ft	
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)	
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	
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

6.16 (A). GENERATION SCHEMES CLEARED AND READY FOR EXECUTION AS ON 31-03-2021

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

6.17 POWER PROJECTS UNDER CONSTRUCTION - PROGRESS AS ON 31-03-2021

S.No	Name of the Project	Location	Capacity Addition	Estimated Cost (Rs. Crs.)	Remarks
State Sector (Thermal)					
1	Dr NTTPS Stage-V	Vijayawada (Krishna)	1 x 800 MW	7586.67	* Zero date was commenced on Dt:15.12.2015 * works are under Progress * Expected synchronization with oil - Nov-2021 *Expected COD - Jan-2022
2	Sri Damodaram Sanjeevaiah TPS Stage II	Krishnapatnam (Nellore)	1 x 800 MW	7969.42	* Zero date was commenced on Dt:15.12.2015 *works are under Progress *1st Synchronization was completed on 10.11.2021 @ 18:30 hrs (Max load137MW @18:33 hrs) *Expected COD 30.11.2021
State Sector (Hydro)					
1	Polavaram HEP	Polavaram	12 x 80 MW	5338.95	* Zero date was commenced on Dt:30.03.2021 * Unit-1,2 &3 completion by Jul 2024 Unit-4 to 12 : One unit for every consecutive of 2 months last by Jan 2026.

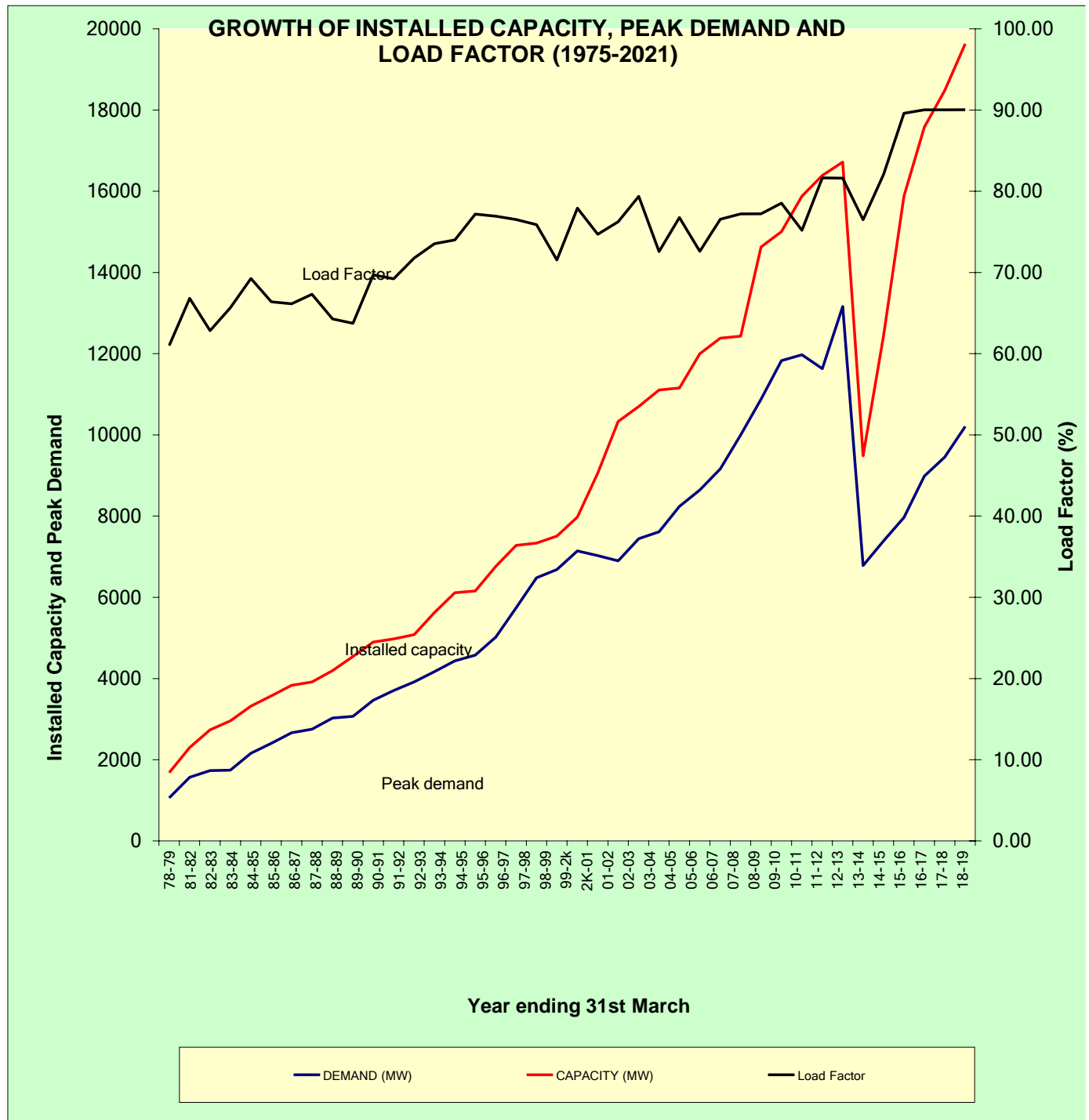
6.18 Generation Projects under Development as on 31-3-2021

State Sector				
S.No	Name of the Project	Capacity Addition	Estimated Cost (in Crs.)	Remarks
NIL				

6.19 Estimated potential & Harnessed in Renewable Energy Sources (As on 31.3.2021)

SNO	Energy Source	Potential (MW)	Capacity Harnessed up to Mar-21 (MW)
1	Wind	44229.00	3767.950
2	Biomass projects including co-generation power projects	500.00	132.500
3	Bagasse based Co-generation	300.00	105.000
4	Municipal Solid Waste	100.00	6.150
5	Industrial Waste	100.00	21.660
6	Small Hydro	500.00	28.700
7	Solar	38440	3505.626
	Total	84169	7567.586

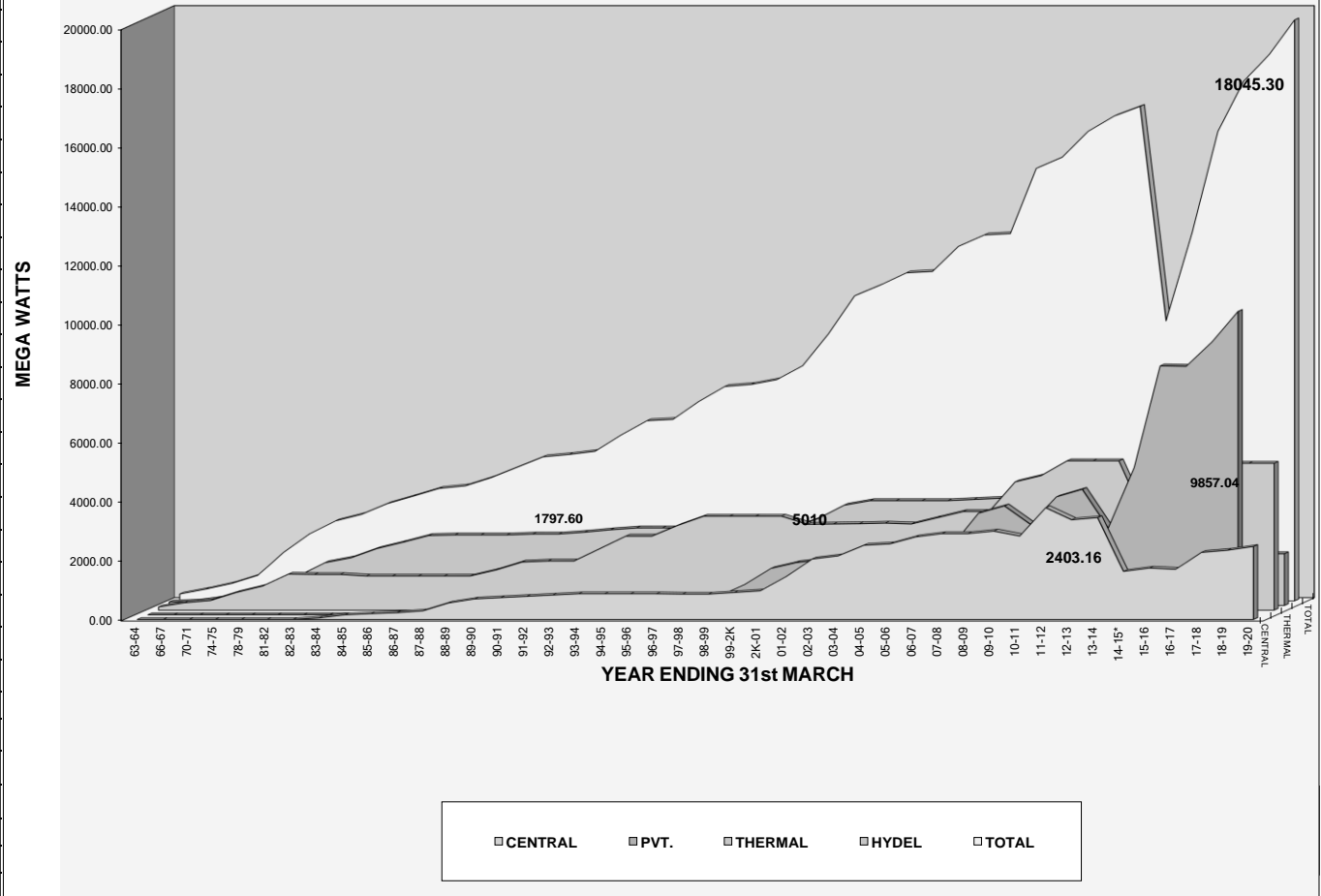
YEAR	CAPACITY (MW)	DEMAND (MW)	Load Factor
74-75	888	706	61.00
78-79	1678	1060	66.81
81-82	2298	1570	62.83
82-83	2736	1733	65.64
83-84	2955	1743	69.25
84-85	3318	2158	66.39
85-86	3568	2404	66.14
86-87	3829	2665	67.32
87-88	3914	2752	64.29
88-89	4192	3026	63.73
89-90	4542	3070	69.71
90-91	4893	3465	69.22
91-92	4973	3703	71.79
92-93	5080	3916	73.53
93-94	5626	4170	74.00
94-95	6111	4434	77.18
95-96	6155	4576	76.92
96-97	6764	5022	76.51
97-98	7276	5742	75.89
98-99	7333	6480	71.54
99-2k	7502	6684	77.93
2K-01	7974	7143	74.70
01-02	9056	7029	76.25
02-03	10329	6895	79.36
03-04	10696	7441	72.58
04-05	11106	7613	76.75
05-06	11151	8239	72.61
06-07	11996	8641	76.55
07-08	12382	9162	77.21
08-09	12427	9997	77.22
09-10	14625	10880	78.54
10-11	15003	11829	75.18
11-12	15876	11972	81.65
12-13	16389	11630	81.60
13-14	16717	13162	76.49
14-15	9486	6784	82.08
15-16	12444	7391	89.60
16-17	15876	7965	90.03
17-18	17578	8983	90.03
18-19	18477	9453	90.04
19-20	19630	10207	74.92
20-21	17734	11193	81.10



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	5010.00	1980.63	8945.73	17733.956

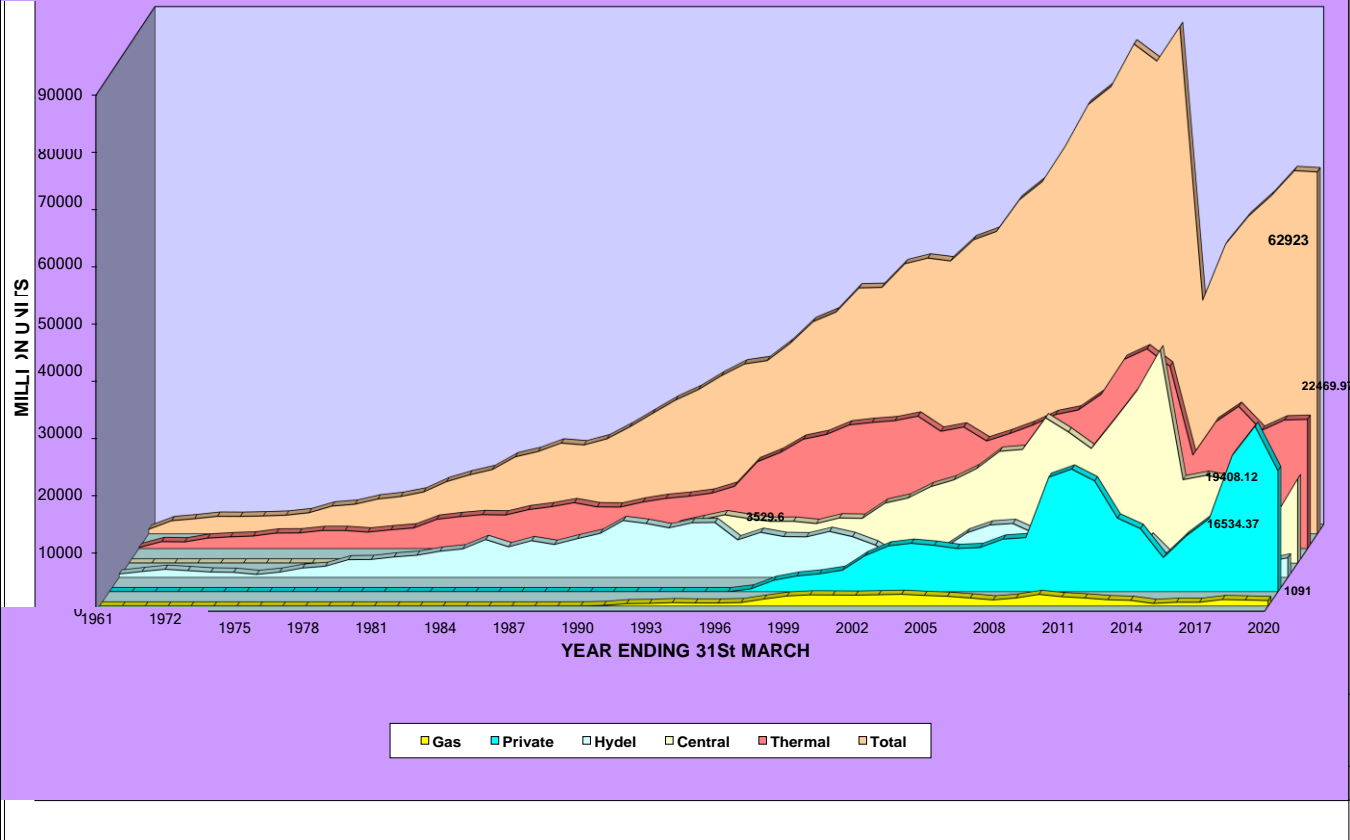
* Figures indicate for residual AP

PROGRESS IN INSTALLED CAPACITY (MW) (1960-2021)



ENERGY GENERATION (1959-60 TO 2020-21)

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	8756	9114	473	-	6748	25093
1994	9633	9639	616	-	7612	27500
1995	9687	10842	552	-	8449	29530
1996	6662	15103	540	-	7814	30119
1997	7970	16720	627	505	7308	33130
1998	7245	19019	1249	2055	7321	36889
1999	7189	19834	1799	2820	6921	38563
2000	8132	21499	2006	3217	7897	42751
2001	7232	21934	1978	3869	7831	42844
2002	5757	22245	1951	6514	10484	46951
2003	3337	23033	2030	8169	11369	47937
2004	2941	20401	2109	8636	13356	47444
2005	5267	21145	1908	8280	14522	51123
2006	7873	18718	1753	7730	16501	52575
2007	9247	19994	1445	7897	19487	58070
2008	9510	21452	1101	9360	19822	61245
2009	7703	23294	1441	9633	25316	67387
2010	5450	24101	2087	20122	22851	74612
2011	7718	26846	1681	21534	19986	77764
2012	6376	32893	1448	19490	24953	85160
2013	3207	34730	1140	13018	30104	82198
2014	7143	31706	1016	11205	37120	88191
2015*	3177	16285	467	6145	14553	40627
2016	2441	22044	682	9919	15301	50388
2017	2313	24729	674	12913	14601	55240
2018	2681	26563	1165	23874	16538	58818
2019	2680	23361	1091	28992	8018	63144
2020	3580	22470	981	21244	14698	62924
2021	3822	16430	1226	29104	12488	63070



7. TRANSMISSION & DISTRIBUTION

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

SI.No	NAME OF THE SS/ DISTRICT	VOLTAGE in KV	TR. CAPACITY (NO. X MVA)	TOTAL MVA	Date of Commissioning
400 KV SUBSTATIONS					
1	NARNOOR (Kurnool)	400/220	2 x 315	630	06-03-2001
2	KALPAKA (Vizag)	400/220	3 x 315	945	27-01-2002
3	VEMAGIRI (East Godavari)	400/220	3x315	945	27-09-2005
4	MANUBOLU(Nellore)	400/220	3 x 315	945	18-12-2005 31-01-2016(3rd 315mva)
		220/132	3X100	300	24-10-2009
5	CHITTOOR	400/220	3 x 315	945	17-2-2006
6	SATTENAPALLY (Guntur)	400/220	3x315	945	31-03-2014
7	JAMMALAMADUGU(Kadapa)	400/220	2x315	630	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	
8	URAVAKONDA (Ananthapur)	400/220	2x315 +2x500	1630	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	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	Bus Charged on 01-02-2017 ICT I:14-02-2017
11	MARADAM(Garividi) (Vizianagaram Dt)	400/220	2 x 315+500	1130	SS charged on 15-03-2018
12	KALIKIRI(Chittoor)	400/220	2x315	630	SS charged on 31-03-2018
13	PODILI(Prakasam)	400/220	3x315	945	SS charged on 28-10-2018
14	HINDUPUR(Ananthapur)	400/220	1x315	315	SS charged on 10-10-2018
15	THALARICHERUVU(Ananthapur)	400/220	3x315	945	SS charged on 17-12-2018
16	RACHGUNNERI	400/220	2x315+1x160+1x100	890	SS charged on 15-09-2020
			Total MVA	15060	
220 KV SUBSTATIONS					
SRIKAKULAM					
1	TEKKALI	220/132	3x100	300.00	31-12-2007
		132/33	2x31.5	63.00	28-12-1983
VIZIANAGARAM					
2	1.GARIVIDI	220/132	1x160+2 x 100	360.00	5-3-1992
		132/33	2x31.5	63.00	
3	2.APPAYADORAPALEM Swtn.Station	**	**	0.00	15-10-2015
4	3.BOBBILI Growth Center	220/132	3x100	300.00	13-11-2015
VISAKHAPATNAM					
5	1.GAJUWAKA	220/132	2 X 160+1x100	420.00	26-07-1968
		132/33	2 X50	100.00	
6	2.VISAKHAPATNAM	220	SW. STN.	0.00	20-06-1991
7	3.PENDURTHY	220/132	2x160+1 x 100	420	30-03-1993
		132/33	2x31.5	63.00	05.06.1993
8	4. DAIRY FARM	220/132	2X100	200.00	18-11-2002
		132/33	2x50	100.00	
9	5. PARWADA	220/132	3X100	300.00	29.03.2004
		132/33	3x50	150.00	29.03.2004

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

SI.No	NAME OF THE SS/ DISTRICT	VOLTAGE in KV	TR. CAPACITY (NO. X MVA)	TOTAL MVA	Date of Commissioning
10	6.BRANDIX (Achutapuram)	220/132	3X100	300.00	21-11-2007
		132/33	2x50+1x16	116.00	19-06-2008
11	7.GANGAVARAM(PORT)	220/33	2 x 31.5	63	11-12-2008
		220/132	2x100	200.00	21-03-2016
		132/33	1x31.5+1 x 25	56.50	23-01-2018
12	8.ANRAK	220/132	SWS	0	5-2-2012
13	9.SIMHACHALAM	220/132	2x100	200	18.02.2021
EAST GODAVARI					
14	1.BOMMURU	220/132	2x160+1 X 100	420.00	14-08-1976
		132/33	2X50+2X25	150.00	
15	2. KAKINADA	220/132	2X160+1x100	420.00	25-09-1997
		132/33	1x80+1X50	130.00	
16	3.SAMARLAKOTA	220/132	3x100	300.00	29-09-2001 31-3-2008
17	4.RAMPACHODAVARAM	220/33	1X50+1x31.5	81.50	29-05-2003
18	5.BAVOJIPETA(KORUKONDA)	220 KV	1x50	50.00	17-11-2017
19	6.RAMAVARAM LIS RAMAVARAM	220/11	2x50+1x31.5	131.50	17-11-2017
		220/132	2x100	200.00	17-05-2020/22-03-2021
		132/33	2x31.5	63.00	18-05-2020/22-03-2021
20	7.PURSHOTHAPATNAM	220/33	1x50	50.00	17-12-2017
WEST GODAVARI					
21	1.BHIMADOLE	220/132	1 X 100+2x160	420.00	13-01-1990
		132/33	3X50	150.00	
22	2.NIDADAVOLU	220/132	2 X 100+1x160	360.00	07-03-1999
23	3.BHIMAVARAM (UNDI)	220/132	2X160+1x100	420.00	02-02-2007
		132/33	3x50+ 1x31.5	181.50	
24	4.KAMAVARAPUKOTA	220/132	1X160+2x100	360.00	28-03-2007
25	5.PATTISEEMA LIS SUB-STATION	220/11	1x50	50.00	08-11-2015
26	6.PALLANTLA	220/132	1x100	100	SS charged on30-10-2015 & PTRs charged on 01.03.2021
		132/33	1x31.5	31.5	
27	7.DUVVA	200/132/33	2x100	200.00	27-05-2018
		132/33	1x50+1x31.5	81.50	
KRISHNA					
28	1.GUNADALA (VJW)	220/132	2 X 100 +1x160	360.00	1970-1971
		132/ 33	1x80+2x 50	180.00	
29	2.KONDAPALLY (VJW)	220/132	1 X 100 +2x160	420.00	30-09-1989
		132/ 33	2x31.5+1x50	113.00	27-04-2013
30	3.NUNNA	220/132	2X100	200.00	20-01-1992/ 29-03-2010
		132/ 33	2x31.5+1x50	113.00	13-04-2018
31	4.CHILLAKALLU	220/132	3 X 100	300.00	12-03-1997
		132/33	3 X 31.5	94.50	15-02-2010
32	5. GUDIVADA (KRISHNA)	220/132	2x160+1 X 100	420.00	22-10-2004
		132/33	2 X50	100.00	29-03-2006
33	6.NUZIVIDU	220/132	2x100+1X160	360.00	20-09-2018
		132/33	4x50	200.00	29.08.1978
GUNTUR					
34	1.GUNTUR (TADIKONDA)	220/132	1x160+3 X 100	460.00	31-03-1992
		132/33	3x50	150.00	
35	2.TALLAPALLI	220	SW. STN.	0.00	17-07-1985
36	3.RENTACHINTALA	220/132	3X100	300.00	24-11-2008
		132/33	2x16	32.00	22-12-2017
37	4.NARASARAOPET	220/132	3X100	300.00	03-11-2009/ 25-01-2010
		132/33	3X31.5	94.50	02-02-2003

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
38	5.PRATHIPADU	220/132	1x100+1x160	260	22-04-2019
PRAKASHAM					
39	1.ONGOLE	220/132	2x160+1x100	420.00	21-8-1980
		132/33	3x50	150.00	17-7-2009
40	2.PODILI	220/33	2x31.5+1x50	113.00	30-03-1994 (Sw.St)/ 24-10-2005(SS)
		220/132	2x100	200.00	22-07-2014
41	3.MARKAPUR	220/132	3 X 100	300.00	26-08-2001
		132/33	2x31.5	63.00	6-1-2006
42	4.PARCHUR	220/132	1x160+2x100	360.00	17-05-2010
		132/33	1x31.5+1X16	47.50	23-08-1999
43	5. KANDUKURU	220/132	2x100	200.00	30-06-2018
NELLORE					
44	1.NELLORE	220/132	3x160	480.00	11-12-1976
		132/ 33	3x50	150.00	
45	2.SULLURPET	220/132	3 X 100	300.00	01-05-1982
		132/ 33	1x50+1 x 31.5	81.50	
46	3. RACHARLA PADU	220/132	2x100+1x31.5	231.50	06-06-2018
		132/33	1x31.5	31.50	
47	4. ATMAKUR	220/132	2x100	200.00	22-02-2019
48	5.NAIDUPET	220/132	2x100	200.00	19.08.2020
		132/33	2x80+1x50	210.00	19.08.2020
CHITTOOR					
49	1.CHITTOOR	220/132	1x160 + 2 X100	360.00	21-06-1970
		132/33	3 x 50	150.00	
50	2.KALIKIRI	220/132	3 X100	300.00	14-08-1991
		132/33	2 x 31.5+1x50	113.00	
51	3.RENIGUNTA	220/132	1x160 + 2 X100	360.00	25-11-1995
		132/33	3x31.5	94.50	
52	4.PALAMANERU	220/132	1x100+1x160	260.00	22-10-2011
		132/33	2x50	100.00	22-10-2011
53	5.NAGIRI	220/132	3x100	363.00	15-10-2012
		132/33	2x31.5		(30-3-1994)
54	6.THIMMAPURAM LIS	220/132	1X100	100.00	16-12-2015
		132/33	2x31.5	63.00	
55	7.KUPPAM	220/132	2 X 100	200.00	30-03-2017
56	8.MADANAPALLI (LIS)	220/132	2 X 100	200.00	11-12-2017
ANANTHAPUR					
57	1.GOOTY	220/132	2x160	320.00	20-08-1975
		132/33	2x31.5	63.00	
58	2.GOOTY	220	SW. STN	0.00	20-05-1991
59	3.ANANTAPUR	220/132	3x100	300.00	31-03-1995
		132/33	3x50+1x31.5	181.50	
60	4.HINDUPUR	220/132	1x160+1x100	260.00	29-03-1993
		132/33	1x80+2x50	180.00	
61	5.RAMAGIRI	220/33	1X50+1x31.5	81.5	17-10-1995
62	6.TADIPATHRI	220/132	2x100	200.00	29-7-2002
		132/33	2x50+1x31.5	131.5	
63	7.KALYANDURG	220/132	3x100	300	21-07-2007
		132/33	2X50+1x80	180	29-12-1986
64	8.BOYAREDDYPALLI	220	SW.STN	0	21-01-2008
65	9.REGULAPADU(LIS)	220/11	3X25	75	07-06-2011
66	10.RTSS (Gooty)	220/132	SW. STN	0	30-3-2012
67	11.YELLANUR LIS	220/11	2x25	50	27-3-2014
68	12.VAJRAKARUR	220/132	1x100	100	14-07-2016
69	13.BOKSAMPALLI	220/132	1x100	100	11-04-2016
		132/33	3x31.5	94.5	
70	14.SUBBARAYUNIPALLI	220/33	2X50	100	11-05-2016
71	15.GOLLAPURAM	220/132	2x100	200	42730
		132/33	1x50+1x31.5	81.5	
72	16.BORAMPALLI	220/132	1X100	100	01-06-2017
73	17. SHAPURAM	220	SWS	0	5-5-2012
74	18.GADDAMVARIPALLI	220/11	2x25	50	4-2-2017

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

SI.No	NAME OF THE SS/ DISTRICT	VOLTAGE in KV	TR. CAPACITY (NO. X MVA)	TOTAL MVA	Date of Commissioning
75	19.GUDDUMARRI LIS	220/11	2x50	100	2-5-2017
76	20. AMMAVARIPALLI	220/33	1x50	50	7-24-2019
KADAPA					
77	1.KADAPA	220/132	1X160+2X100	360.00	24-05-1970
		132/33	2x50	100.00	
78	2.CHINAKAMPALLY	220/132	1x100 +1x 160	260.00	19-01-1986
79	3.MYDUKUR	220/33	1X50+2x31.5	113.00	31-03-1992
80	4.RAJAMPETA	220/132	2x100	200.00	28-03-1993
		220/33	2 X 31.5	63.00	
		132/33	1X31.5	31.5	
81	5.YERRAGUNTLA	220/132	3 X 100	300.00	24-10-1993
		132/33	2x31.5+1x16	79.00	
82	6.KODURU	220/33	3 X 31.5	94.50	15-06-1997
83	7.PULIVENDULA	220/132	2X100	200.00	19-11-2009
		132/33	2x16	32.00	09-03-2011
84	8.THIMMAPURAM	220/11	2x25	50.00	07-03-2012
85	9.KONDAPURAM	220/132	2x100	200.00	13-08-2012
		132/33	2x31.5	63.00	
86	10.PORUMAMAILLA	220/132	2X100	200.00	31-03-2017
87	11.CHAKRAYAPET	220/132	2x100	200.00	19-05-2018
		132/33	1x31.5+1x16	47.50	
88	12.TIRUMALAYAPALLI	220/132	2x160	320.00	22-01-2020
KURNOOL					
89	1.A.P CARBIDES	220/132	1X160+2X100	360.00	19-03-1989
		132/33	2X31.5	63.00	
90	2.SOMAYAJULAPALLI	220	Sw.Stn	0.00	28-03-1995
91	3.NANDYALA	220/132	3 X 100	300	31-03-1995
		132/33	3X50	150	
92	4.BRAHMANAKOTKUR(LIS)	220/11	3x25	75	29-10-2010
93	5.MALYALE(LIS)	220/11	4X31.5	126.00	06-01-2011
94	6.DHONE(LIS)	220	SW.STN	0.00	28-07-2011
95	7. BILAKALAGUDUR	220	SW.STN	0.00	28.3.2017
96	8.KHAMBALPADU(LIS)	220/11	3X25	75.00	30-08-2011
97	9.LAKKASAGARAM(LIS)	220/11	3X25	75.00	12-10-2011
98	10.KRISHNAGIRI(LIS)	220/11	3X25	75.00	22-10-2011
99	11.SETTIPALLY(LIS)	220/11	3X25	75.00	18-11-2011
100	12.NANSURULLA(LIS)	220/11	3X25	75.00	18-11-2011
101	13.MACHUMARRI(LIS)	220/11	1X25+2X31.5	88.00	29-04-2017
				26732.50	

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

Sl.No	NAME OF THE SS/ DISTRICT	VOLTAGE in KV	TR. CAPACITY (NO. X MVA)	TOTAL MVA	COMMISSIONING/ COMPLETION
132kV Sub-Stations					
	SRIKAKULAM				
1	1.CHILAKAPALEM (Srikakulam)	132/33	1x50+1x31.5	81.50	8-12-1989
2	2.PALASA	132/33	1x31.5+1 x 16	47.50	30-09-1993
3	3.PALAKONDA	132/33	2X31.5	63.00	31-03-1994
4	4.ICHAPURAM	132/33	2 x 16	32.00	31.12.2005
5	5.PATHAPATNAM	132/33	2 x 16	32.00	25-10-2006
6	6.PYDIBHEMAVARAM	132/33	1X31.5+1x50	81.50	18-06-2010
7	7.NARASANNAPET	132/33	2X31.5	63	29-6-2012
8	8.RAJAM	132/33	2X16	32	02-07-2016
9	9.SRIKAKULAM TOWN	132/33	1X31.5+1X16	47.5	24-11-2017
10	10.PONDUR	132/33	SWS	0	10-10-2001
	VIZIANAGARAM				
11	1. T.B. VARA	132/33	2x16	32	23-11-1981
12	2. BOBBILI	132/33	1x50+1x31.5	81.5	27-03-1987
13	3. VIZIANAGARAM (Vontithadi)	132/33	2x50	100	31-03-1992
14	4.KOTHAVALASA	132/33	1x31.5+1x16	47.5	29-08-1999
15	5. GOLD STAR Switching Station	132	SWS	0	16-6-1994
16	6. PARVATHIPURAM	132/33	2x31.5	63	29-12-2017
17	7. GARBHAM	132/33	1x31.5+1x15	46.5	31-03-2018
18	8.SALUR	132/33	2x16	32	16-6-1994
19	9. MOR	132/33		0	08-10-2018
20	10. G.Chodavaram	132/33	1x31.5	31.5	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	81.5	7-8-1987
23	3.KORUPROLU	132/33	2x50	100	19-10-1986
24	4.ARAKU	132/33	1 x15+1x16	31	9-12-1982
25	5.VIZAG PORT	132/33	2 x 31.5	63	25-11-1990
26	6.NAWAL WHARF	132/33	1 x 16	16	29-01-1988
27	7.KASIMKOTA	132/33	3 x 31.5	94.5	27-10-1993
28	8.PAYAKARAOPETA	132/33	1x50+x31.5	81.5	14-10-1992
29	9.NAKKAVANIPALEM	132/33	1x80+1 x 50	130	30-12-1993
30	10.ANANDAPURAM	132/33	1x 16+2x31.5	79	12-6-2002
31	11. DGNP	132	Sw.St.	Sw.St.	19-12-2003
32	12. VSEZ	132/33	2x31.5	63	03-06-2010
33	13.NARSIPATNAM	132/33	1x31.5+1x16+1x15	62.5	30-10-2015
34	14.NARASINGABILLI	132/33	2 X 16	32	30-06-2016
35	15.MALKAPURAM	132/33	1 X 16+1x31.5	47.5	19-10-2016
36	16.CHODAVARAM	132/33	1 X 16+1x31.5	47.5	31-03-2018
37	17.PEDA WALTAIR (Hybrid GIS)	132/33	2x31.5	63	31-07-2018
38	18. PADERU	132/33	1x16+1x15	31	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	18-09-1981
41	3.AMALAPURAM	132/33	1x50+2 x 31.5	113	11-7-1988
42	4.A.P PAPER MILLS (RJY) (Mallayapet)	132/33	2x50+1x31.5	131.5	1-1-1989
43	5.PRATHIPADU	132/33	2x31.5	63	31-03-1993
		132/11	1x16	16	

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	81.5	29-01-2001
45	7.RAJAGANARAM	132/33	1x50+1x31.5	81.5	25-09-2009
46	8.EDITHA	132/33	1x50+1x31.5	81.5	30-07-2010
47	9 PITAPURAM	132/33	1x50+1x31.5	81.5	31-08-2013
48	10. KOTHAPETA	132/33	1x50+1x31.5	81.5	20-09-2013
49	11.PRATAPNAGAR	132/33	2X31.5+1X50	113	21-11-2013
50	12.Konda Guntur (RVK Switching Station)	132/33	2X31.5	63	07-01-2015
51	13.Silk Road at Kakinada (132KV Silk Road Sugars Switching Station)	132/33	2X25	50	9-12-2015 2nd PTR Charged on 03-11-2016
52	14.BICCAVOLU	132/33	1 X 31.5+1X25+1X16	72.5	20-11-2016
53	15.GOLLAPALEM	132/33	2X31.5	63	28-11-2019
54	16.MOMMIDIVARAM	132/33	2X31.5	63	02-07-2020
	WEST GODAVARI				
55	1.KAMAVARAPU KOTA	132/33	2x50+2x31.5	163	30-01-1981
56	2.BHIMAVARAM	132/33	2 x 50+1X31.5	131.50	11-1986
57	3.KOVVURU	132/33	2X31.5	63.00	31-12-1990
58	4.TANUKU	132/33	1 x 31.5+1 x 25+1x50	106.50	13-10-1992
59	5.JANGAREDDYGUDEM	132/33	2x50+1x31.5	131.5	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+1x31.5	81.5	29-09-1999
63	9.SAGGONDA	132/33	2x31.5+1 x 16	79	19-03-2004
64	10. CHINTALAPUDI	132/33	2x50	100	08-03-2005
65	11.NALLAJERLA	132/33	2x50	100	29-12-2005
66	12.PEDAVEGI	132/33	3x31.5	94.5	10-03-2006
67	13.NIDADAVOLU	132/33	3X50	150.00	30-11-1967
68	14. PENUGONDA	132/33	2X31.5	63	26-06-2014
69	15.YERNAGUDEM	132/33	2X31.5	63	28-12-2017
	KRISHNA				
70	1.KANUMOLU	132/33	1 x 31.5+2x50	131.5	05-03-1978
71	2.PAMARRU	132/33	2x50	100	05-04-1978
72	3.MACHILIPATNAM	132/33	2x50	100	17-12-1993
73	4.VIJAYAWADA (VJW)	132/33	3x50	150.00	28-01-1994
74	5.GANGOOR	132/33	1x50+1x31.5	81.5	30-12-2000
75	6. BHAVANIPURAM	132/33	1x50+1x31.5	81.5	31-07-2016
76	7. KHAMBAMPADU	132/33	1x50+1x31.5	81.5	08-07-2004
77	8.NANDIGAMA	132/33	1x50+1x31.5	81.5	09-08-2006
78	9.AVANIGADDA	132/33	2 x 31.5	63	31-03-2010
79	10.AUTO NAGAR	132/33	2x50	100	21-05-2013
80	11.CHIGURUKOTA	132/33	1x50+1x31.5	81.5	10-04-2016
81	12.RANGANNAGUDEM	132/33	2 x 31.5	63	21-11-2016
82	13.NARSAPURAM	132/33	1x16	16	8-1-2019
	GUNTUR				
83	1.GUNTUR	132/33	2 x 50+1x80	180	28-02-1977
84	2.TADEPALLI	132/33	1x50+2x31.5	113.00	31-.03-1970
85	3.BAPATLA	132/33	2x31.5+1 x 16	79	29-11-1978
86	4.MACHERLA	132/33	2x50+1x31.5	131.5	29-12-1975
87	5.PIDUGURALLA	132/33	1x50+1X31.5	81.50	30-03-1984
88	6.CHILAKALURIPETA	132/33	3x50	150.00	27-12-1987
89	7.TENALI	132/33	2x50+1X31.5	131.50	20-08-1993
90	8.REPALLE	132/33	1x50+1x31.5	81.50	30-12-1993
91	9.VINUKONDA	132/33	2x31.5+1x50	113.00	30-08-1999

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
92	10.NALLAPADU	132/33	3X31.5	94.5	17-08-2008
93	11.MARRIPALEM	132/33	3X31.5	94.5	24-01-2009
94	12.TANGEDA	132/33	2X16	32	26-08-2010 (28-12-2012)
95	13.KARAMPUDI	132/33	2X31.5	63.00	19-07-2010
96	14. RENTAPALLA	132/33	2X31.5	63	27-06-2013
97	15.GAJJANAGUNDLA	132/33	3X31.5	94.5	31-07-2013
98	16.CHAKRAYAPALEM	132/33	1X16+1x31.5	47.50	28-03-2016
99	17.YADAVALLI	132/33	1x31.5+1X15	46.50	29-03-2018
100	18. PONNURU	132/33	2x31.5	63	23-07-2018
101	19. UPPALAPADU (VELDURTHY)	132/33	2X10/16	32	28-07-2018
102	20.UNDAVALLI(LIS)	132/11		0.00	09-09-2018
103	21.AIIMS, MANGALAGIRI	132/33	1x31.5	31.50	13-11-2020
	PRAKASHAM				
104	1.ONGOLE	132/33	1X16+1x31.5	47.50	1963-1964
105	2.CUMBUM	132/33	1 X 16+2x31.5	79	27-02-1974
106	3.KANIGIRI	132/33	1X31.5+1x50	81.5	25-07-1990
107	4.CHIRALA	132/33	2 X31.5+1X16	79.00	13-06-1993
108	5.ERRAGONDAPALEM	132/33	2x50	100.00	31-03-1994
109	6. KANDUKUR	132/33	1x31.5+1 X 50	81.50	29-05-1996
110	7.GIDDALUR	132/33	2x31.5	63	13-08-1997
111	8.MEDARAMETLA	132/33	2x31.5	63	19-03-2001
112	9.PEDDADORNALA	132/33	2x16	32.00	31-03-2008
113	10.INKOLLU	132/33	2 X 10/16	32	31-03-2008 Trs charged on 26-11-2016
114	11.MARTUR	132/33	1x50+1x31.5	81.50	02-10-2008
115	12.PAMURU	132/33	1X31.5+1x16	47.5	18-07-2010
116	13.TANGUTURU	132/33	1x31.5+1x16	47.5	31-3-2012
117	14.ADDANKI	132/33	2X31.5	63.00	11-01-2014
118	15.LINGASAMUDRAM	132/33	2x16	32.00	5-09-2014
119	16.DARSI	132/33	2X31.5	63.00	24-09-2014
120	17.KESINENIPALLY	132/33	1X31.5+1X16	47.5	23-06-2015 08-10-2015
121	18.ANUMALAPALLI	132/33	1x31.5	31.5	27-11-2019
	NELLORE				
122	1.NELLORE SOUTH (NAVLAC GARDEN)	132/33	3x31.5+1x50	144.5	23-11-1981
123	2.VENKATAGIRI	132/33	1x31.5+1x50	81.5	24-09-1992
124	3.SRIHARIKOTA	132/11	2 X 16	32	18-11-1978
125	4.GUDUR	132/33-11	1 X 16+1x25+2X31.5	104.00	10-7-1980
126	5.ATMAKUR	132/33	2x50	100	19-02-1988
127	6.KAVALI	132/33	1x31.5+1x50	81.5	22-12-1980
128	7.CHENDODU	132/33	1x50+1x31.5	81.50	11-12-1991
129	8.ALLURU	132/33	1x50+1x31.5	81.5	16-03-2001
130	9.UDAYAGIRI	132/33	2 X 16+1x50	82	07-12-2001
131	10. ADURUPALLI	132/33	3 X 16	48.00	9-10-2004
132	11. BRAHMADEVAM	132/33	2x31.5+1x50	113	31-3-2005
133	12.NAIDUPET	132/33	1x50+1X31.5	81.5	03-08-2005
134	13.NTS KOVVUR	132/33	3x31.5	94.50	01-01-2006
135	14.MENAKURU	132/33	1x50+1X31.5	81.5	21-12-2012
136	15.RAPUR	132/33	2X16	32	6-03-2018
137	16.VINZAMUR	132/33	1x31.5+1x15	46.50	22-02-2019
	CHITTOOR				
138	1.PUTTUR	132/33	1x50+1X31.5	81.5	12-6-1982

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
139	2.TIRUPATHI	132/33	2x50	100.00	12-11-1986
140	3.PAKALA	132/33	1x31.5+1x50	81.5	4-2-1990
141	4.SRIKALAHASTI	132/33	1x50+2x31.5	113	31-03-1987
142	5.MADANAPALLY	132/33	2x50	100.00	10-8-1986
143	6.SHANTIPURAM	132/33	2x50	100	04-01-1993
144	7.KOTHAPALLI MITTA	132/33	1x80+1x50	130	16-06-1997
145	8.CHANDRAGIRI	132/33	1x31.5+1x16	47.50	8-11-1998
146	9.BURAKAYALAKOTA	132/33	1x50+1 X 31.5	81.5	27-03-1999
147	10.ROMPICHERLA	132/33	2x31.5	63	06-07-1999
148	11. KUPPAM	132/33	2x50	100.00	24-08-2000
149	12.PUNGANURU	132/33	2x50	100.00	19-03-2001
150	13.GURRAMKONDA	132/33	2x31.5	63.00	26-11-2005
151	14.NAGALAPURAM	132/33	2x31.5	63.00	29.3.2007(TC)
152	15.IRALA	132/33	1x31.5+1X16	47.50	02-12-2009
153	16.SOMALA	132/33	2x31.5	63.00	31-3-2012
154	17.TIRUMALA	132/33	2X16	32.00	31-3-2012
155	18.CHERVI	132/33	1x50+1X31.5	81.50	09/16/15
156	19.SIVARAMPURAM LIS SS	132/33	2X31.5	63.00	03-04-2016
157	20.B.KOTHAKOTA	132/33	2X16	32.00	26-03-2016
158	21.ALIPIRI	132/33	1x50+1X31.5	81.50	21-09-2016
159	22.BANDLAVANDLAPALLI(LIS SS)	132/33	2X10/16	32.00	27-10-2016
160	23.NOONEGUNDLAPALLI	132/33	2X31.5	63.00	20-07-2017
161	24.RAMASAMUDRAM	132/33	1x31.5+1x16	47.5	25-06-2018 (2nd 16 MVA)
162	25.GREENPLY	132/33	SWS		23-01-2008
163	26.KOTHAPALLY	132/33	2X31.5	63.00	20-08-2019
164	27.YERPEU	132/33	1x80+1x31.5	111.50	09-09-2019
165	28.PACHIKAPALEM	132/33	1x31.5	31.50	05.09.2020
166	29.PENUMURU	132/33	2x31.5	63.00	07.10.2020
167	30. KALCHERLA (EPC)	132/33	2x16	32.00	18.03.2021
	ANANTHAPUR				
168	1.DHARMAVARAM	132/33	3x31.5+1X16	110.50	10-11-1970
169	2.JAMMALABANDA	132/33	1x31.5+1x50	81.50	30-09-1994
170	3.PUTTAPARTHY	132/33	2x50	100.00	22-11-1993
171	4.KADIRI	132/33	3x50	150.00	02-07-1984
172	5.GUNTAKAL	132/33	2x31.5	63.00	31-03-1988
173	6.RAYADURG	132/33	2x50	100.00	30-07-1998
174	7.KOMATIKUNTA	132/33	1x31.5+1x50	81.50	26-07-2003
175	8.URAVAKONDA	132/33	2x31.5	63.00	29-11-2007
176	9.THUMKUNTA	132/33	3X50	150.00	26-12-2010
177	10.ANKAMPALLY(LIS)	132/11	3X16	48.00	16-03-2011
178	11.KOMALI (Sw Stn)	132/33			12-07-2012
179	12.THANAKALLU	132/33	1x31.5+3X16	79.50	21-12-2013
180	13.OBULAPURAM	132/33	1X31.5+1x16	47.50	12-03-2015
181	14. NAGALAPURAM	132	1x31.5	31.50	12-01-2016
182	15. GUDIPADU	132/33	SWS	0.00	02-11-2017
183	16. BEECHGANIPALLI	132/33		0.00	02-11-2017
184	17. LEPAKSHI	132/33	2x16	32.00	27-11-2017
185	18. MADAKASIRA LIS	132/33	2x16	32.00	28-12-2017
186	19. TATICHERLA	132/33	1x31.5	31.50	05-02-2018
187	20. TADIMARRI	132/33	1x31.5	31.50	30-03-2018
188	21. AMARAPURAM	132/33	2x16	32.00	20-09-2018
	KADAPA				
189	1.BADWEL	132/33	1 x 31.5+2x16	63.50	10-07-1993
190	2.PULIVENDULA	132/33	1x 31.5+1x50	81.50	29-12-1986

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
191	3.PRODDUTUR	132/33	2 x 31.5	63.00	17-09-1989
192	4.RAYACHOTI	132/33	1x 31.5+1x50	81.50	31-03-1992
193	5.VONTIMITTA	132/33	2 x 16	32.00	05-07-2000
194	6.BALAPANUR	132/33	2x31.5	63.00	26-10-2000
195	7.THIMMAYAGARIPALLI	132/33	3 x 16	48.00	12-04-2001
196	8. JAMMALAMADUGU	132/33	2x31.5	63.00	28-03-2005
197	9. VEMPALLI	132/33	2x31.5+1x16	79.00	31-03-2005
198	10.PORUMAMILLA	132/33	2x31.5	63.00	22-10-2005
199	11.MOOLAVANKA	132/33	2 x 31.5+1 x 16	79.00	20-02-2009
200	12.SAMBEPALLE	132/33	3X16	48.00	04-06-2011
201	13.RTSS KADAPA		SWT.STN	0.00	12-11-2010
202	14.RTSS MUDDANUR		SWT.STN	0.00	09-02-2011
203	15.GANDIKOTA (GKLIS)	132/11	2x25	50.00	24-11-2011
204	16.LINGALA	132/33	3x16	48.00	30-1-2012
205	17.DUVVUR	132/33	1 x 31.5+1 x 16	47.50	26-08-2015
206	18.KALASAPADU	132/33	1 x 31.5+1 x 16	47.50	13-03-2019
207	19.BRAHMAM GARI MATAM	132/33	1x31.5	31.50	29-03-2019
208	20.BHARATHI CENMENTS LIMITED	132/33	SWS	0.00	15-05-2009
	KURNOOL				
209	1.KURNOOL	132/33	2x31.5+1x16	79.00	18-04-1970
210	2.CEMENT NAGAR	132/33	2 x 31.5	63.00	22-05-1981
211	3.ALLAGADDA	132/33	2x50	100.00	29-12-1994
212	4.ADONI	132/33	2 x 31.5+1x16	79.00	21-11-1978
213	5.DHONE	132/33	2 x 31.5	63.00	24-06-1993
214	6.ATMAKUR	132/33	2 x 31.5	63.00	13-03-1994
215	7.YEMMIGANUR	132/33	2x50	100.00	24-05-1996
216	8.PATHIKONDA	132/33	2 x 31.5	63.00	30-12-1998
217	9. GUDUR	132/33	2 x 31.5	63.00	22-03-2004
218	10.AKKIREDDYPALLI	132/33	2x16	32.00	29-11-2005
219	11.BANAGANAPALLI	132/33	2 x 16+1x31.5	63.50	31-03-2006
220	12.NANDIKOTKUR	132/33	2 x 31.5	63.00	26-12-2008
221	13.SRISAILAM	132/33	2X16	32.00	30-10-2009
222	14.RACHARLA	132/33	2 x 31.5	63.00	31-3-2010
223	15. MANTRALAYAM (Madhavaram)	132/33	2 x 31.5	63.00	07-08-2017
224	16. MUDIGEDU	132/33	1x31.5+1x16	47.50	29-03-2014
225	17. ALURU	132/33	3x16	48.00	25-01-2016
226	18.RUDRAVARAM	132/33	1x31.5+1x16	47.50	18-11-2018
				15683	

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

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

7.1 EHV SUB-STATIONS COMMISSIONED DURING 2020-21

S.No	Name of the Sub-station	District	Capacity	Capacity Commissioned	Date of charging
A)	400 kV Sub - Stations				
1	Up-gradation of existing 220KV Rachagunneri SS as 400KV Rachagunneri SS.	Chittoor	2x315	630.00	1st 315MVA PTR & 125MVAR Reactor charged on 30.11.2020. 2nd 315MVA PTR Charged on 18.12.2020
B)	220 kV Sub - Stations				
1	Up-gradation of existing 132/33kV SS Simhachalam to 220/132/33kV SS Simhachalam	Visakhapatnam	2x100	200.00	18.02.2021
	132/33kV Sub-stations				
1	132/33 KV SS G.Chodavaram SS	Vizianagaram	132/33 KV	31.50	07.08.2020
2	132/33 KV Pachikapalem	Chittoor	132/33	31.50	05.09.2020
3	132/33 KV Penumur	Chittoor	132/33 KV	63.00	07.10.2020
4	132/33 KV Brahmamgarimattam	Kadapa	132/33 KV	31.50	22.10.2020
5	132/33 KV AIIMS at Mangalagiri	Guntur	13233 KV	31.50	13.11.2020
6	132/33kV SS Kalicherla(EPC) under AVR HNSS Phase-II	Chittoor	13233 KV	32.00	18.03.2021

7.2 33/11 KV SUB-STATIONS COMMISSIONED DURING THE YEAR 2020-21

Sl.No	Discom/ District	Name of the 33/11 KV Sub-Station	Funding Agency	Power Transformer Capacity (in MVA)	Date of Commissioned
EPDCL					
1	Srikakulam	Bathuva	T&D	1x5	15.03.2021
2	Srikakulam	Amadalavalasa Industrial Estate	WBP - PFA (24x7)	1x5	30.05.2020
3	Vizianagaram	Maredumilli	T&D	1x5	11.06.2020
4	Vizianagaram	Nagallavalasa	T&D	1x5	03.10.2020
5	Visakhapatnam	Appughar (GIS) SS of Chinawaltair	WBP - PFA (24x7)	2x5	19.06.2020
6	Visakhapatnam	Port Stadium (VPT Sports Complex)	WBP - PFA (24x7)	2x5	23.06.2020
7	Visakhapatnam	VUDA Park	WBP - PFA (24x7)	2x5	23.06.2020
8	Visakhapatnam	Narsipatnam	WBP - PFA (24x7)	1x5	25.06.2020
9	East Godavari	Murari	9Hrs Agl.	1x8	16.05.2020
10	East Godavari	Singampalli	9Hrs Agl.	2x5	18.05.2020
11	East Godavari	N.T.Rajapuram	9Hrs Agl.	2x5	03.06.2020
12	East Godavari	Iripaka	9Hrs Agl.	1x5	22.06.2020
13	East Godavari	Sai Nagar	WBP - PFA (24x7)	1x5	29.06.2020
14	East Godavari	Konthamuru	WBP - PFA (24x7)	1x5	24.09.2020
15	East Godavari	Valasapakala	WBP - PFA (24x7)	1x5	29.09.2020
16	West Godavari	Chikkalapalem	9Hrs Agl.	1x5	28.04.2020
17	West Godavari	Nimmalagudem	9Hrs Agl.	1x5	05.05.2020
18	West Godavari	Krishnampalem	9Hrs Agl.	1x5	12.05.2020
19	West Godavari	Pedaammiram	WBP - PFA (24x7)	1x5	30.06.2020.
20	West Godavari	Bhimavaram Tidco Ph-I	PMAY	2x8	01.03.2021
21	West Godavari	Bhimavaram Tidco Ph-II	PMAY	2x8	17.03.2021
CPDCL					
22	Krishna	TATAKUNTLA	T&D Improvements	1X5	08.05.2020
23	Krishna	MUKKOLLUPADU	T&D Improvements	1X5	27.05.2020
24	Krishna	PEDAPATNAM	REC	1X5	06.07.2020
25	Krishna	PUTLACHERUVU	T&D Improvements	1X5	27.08.2020
26	Krishna	GANUGAPADU	T&D Improvements	1X5	21.09.2020
27	Krishna	K L RAO NAGAR	PFC(IPDS)	2X8	31.03.2021
28	Guntur	Pedapalakaluru	T&D	1X5	24.07.2020
29	Guntur	Nidubrolu	TIDCO	1X5	31.07.2020
30	Guntur	Sajjavaripalem (Ullipalem)	REC(9Hrs)	1X5	27.08.2020
31	Guntur	Udicherla	REC(9Hrs)	1X5	13.11.2020
32	Guntur	Pandrapadu (Chinlingayapalem)	REC(9Hrs)	1X5	29.12.2020
33	Guntur	Buchibapannapalem	REC(9Hrs)	1X5	22.02.2021
34	Guntur	Challagundla Cross roads	T&D	1X5	22.02.2021

Sl.No	Discom/ District	Name of the 33/11 KV Sub-Station	Funding Agency	Power Transformer Capacity (in MVA)	Date of Commissioned
35	Guntur	Atchemkunta	DDUGJY	1X5	16.03.2021
36	Guntur	Adavuladeevi	REC(9Hrs)	1X5	18.03.2021
37	Guntur (CRDA circle)	MURIKIPUDI	T&D	1X5	08.12.2020
38	Guntur (CRDA circle)	AP TIDCO	TIDCO	2X8	06.02.2021
39	Prakasam	KONIJEDU	REC(9Hrs)	1X5	11.11.2020
40	Prakasam	MOGILCHERLA	REC(9Hrs)	1X5	21.12.2020
SPDCL					
41	Kurnool	Harinagaram	REC	1X5	03.04.2020
42	Kadapa	S.R.Puram	T&D	1X5	26.03.2020
43	Kadapa	Chinnayagaripalli	T&D	1X5	27.05.2020
44	Kadapa	Mahadevapalli	PADA	1X5	17.07.2020
45	Tirupati	Yarrathivaripalli	REC scheme	1X5	16.07.2020
46	Tirupati	Bandlapalli	REC scheme	1X5	16.07.2020
47	Nellore	Kondayapalem	REC	1X8	03.08.2020
48	Nellore	Rebalavariveedhi	REC	1X8	21.08.2020
49	Kadapa	Rachakuntapalli	PADA	1X5	17.08.2020
50	Nellore	Brahmanapalli	REC	1X5	27.08.2020
51	Kadapa	Agaduru	9 Hrs.	1X5	05.09.2020
52	Kadapa	U. Rajupalem	9 Hrs.	1X5	12.09.2020
53	Kadapa	Mallela	9 Hrs.	1X5	16.09.2020
54	Anantapuramu	Atchampalli		1X5	14.09.2020
55	Kadapa	Darbarpeta	9 Hrs.	1X5	14.10.2020
56	Nellore	Yellamvaridinne	REC	1X8	05.11.2020
57	Tirupati	33/11 KV SS Dwarak nagar	REC scheme	1X5	11.11.2020
58	Tirupati	33/11 KV SS Jakkadhona	REC scheme	1X5	11.11.2020
59	Kadapa	Pothukurupalliu	9 Hrs.	1X5	05.11.2020
60	Kadapa	Dondalavagu	9 Hrs.	1X5	10.12.2020
61	Tirupati	33/11 KV SS APIIC (Vikruthamala	N&P scheme	1X5	25.01.2021
62	Kadapa	YS Raja Reddy Nagar, Vempalli	9 Hrs.	1X5	12.03.2021
63	Kadapa	Tatireddypalli	9 Hrs.	1X5	26.03.2021

No.of 33/11KV Sub-stations commissioned during 2020-21 upto 31-03-2021 : 63 Nos.

7.3 (A) 132 kV, 30 MVAR CAPACITOR BANKS / COMMISSIONED DURING 2020-21

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

7.3 (B) 33 kV CAPACITOR BANKS COMMISSIONED DURING 2020-21

Sl.No.	Name of the Substation(District)	Capacity in MVAR	Make	Date of Commissioning
VISAKHAPATNAM ZONE				
1	220KV Undi SS	7.2	Shreem	28.5.2020
2	132KV Payakaraopeta	7.2	Shreem	08.03.2021
		14.4		
VIJAYAWADA ZONE				

NIL

KADAPA ZONE				
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NIL

**7.3 -(C) 33kV SHUNT CAPACITOR BANKS COMMISSIONED
YEAR WISE 1984-85 to 2020-21**

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

* Residual AP

7.4 AUGMENTATION OF TRANSFORMER CAPACITY DURING 2020-21						
Sl. No.	Name of the Sub-station	District	Existing (MVA)	Augmented (MVA)	Net increase Transformer capacity (MVA)	Date of charging
AUGMENTATION OF TRANSFORMER CAPACITY AT 400 KV SUB-STATIONS						
1	400KV SS Podili	Prakasam	1x315	3x315	630	05.11.2020
2	400KVSS Rachagunneri	Chittoor	NIL	2x315	630	PTR -I charged on 30.11.2020 & PTR-II on 18.12.2020
3	400/220kv SS Maradam	Vizianagaram	2x315	2x315+1x500	500	08.01.2021
TOTAL					1760	
AUGMENTATION OF TRANSFORMER CAPACITY AT 220 KV SUB-STATIONS						
1	220/11kv LIS SS Ramavaram	East Godavari	NIL	1X100+1X31.5	131.50	100MVA PTR-1 commissioned on - 17.05.2020 & 31.5MVA PTR-1 Commissioned on 18.05.2020
2	220kv Pallantla Switching Station	West Godavari	NIL	1X100+1X31.5	131.50	01.03.2021
3	220/132/33kv SS Ramavaram	East Godavari	1X100+1X31.5	2X100+2X31.5	131.50	100MVA PTR-2 & 31.5MVA PTR-2 Commissioned on 22.03.2021
4	220 KV SS A.P. Carbrides	Kurnool	1x10/16+1x31.5	2x31.5	15.50	24.06.2020
5	220 KV SS Kondapuram	Kadapa	1x10/16+1x31.5	2x31.5	15.50	03.07.2020
6	220 KV SS Bhimadolu	West godavari	2x50+1x31.5	3x50	18.50	18.07.2020
7	220 KV SS Nuziveedu	Guntur	3x100	2x100+1x160	60.00	25.07.2020
8	220 KV SS Nandyala	Kurnool	2x50+1x31.5	3x50	18.50	09.09.2020
9	220 KV SS Tadikonda	Guntur	2x50	3x50	50.00	28.09.2020
10	220 KV RS Gooty	Anantapuram	1x160+1x100	2x160	60.00	19.10.2020
11	220kv SS Renigunta	Chittoor	2x31.5+1x10/16	3x31.5	15.5	18.11.2020
12	220 KV SS Kamavarapukota	West Godavari	2x100+1x60	1x100+2x160	60.00	07.12.2020
13	220kv SS Ongole	Prakasam	1x100+2x150+2x50	1x100+2x150+3x50	50.00	04.02.2021
14	220kv SS Nuziveedu	Krishna	3x50	4x50	50.00	12.03.2021
TOTAL					264.0	
AUGMENTATION OF TRANSFORMER CAPACITY AT 132 KV SUB-STATIONS						
1	132kv SS Atmakur	Nellore	1x31.5+1x50	2x50	18.50	27.04.2020
2	132kv SS Narsipatnam	Visakhapatnam	2x10/16	3x10/16	16.00	23.05.2020
3	132kv SS Manthralayam (Madhavaram)	Kurnool	1x10/16+1x31.5	2x31.5	15.50	29.05.2020

7.4 AUGMENTATION OF TRANSFORMER CAPACITY DURING 2020-21						
Sl. No.	Name of the Sub-station	District	Existing (MVA)	Augmented (MVA)	Net increase Transformer capacity (MVA)	Date of charging
2	132 KV SS K.P.Mitta	Chittor	2x50	1x50+1x80	30.00	03.06.2020
4	132 KV Kuppam	Chittor	1x31.5+1x50	2x50	18.50	19.06.2020
5	132 KV SS Vinukonda	Guntur	2x31.5	2x31.5+1x50	50.00	29.07.2020
3	132 KV SS Madanapalli	Chittor	1x31.5+1x50	2x50	18.50	31.07.2020
6	132kV SS Nandigama	Vijayawada	1x10/16+1x31.5	1x50+1x31.5	34	06.08.2020
7	132kV SS Atmakur	Kurnool	1x10/16+1x31.5	2x31.5	15.5	06.08.2020
4	132kV SS Puttur	Tirupathi	2x31.5	1x50+1x31.5	18.5	10.08.2020
8	132 KV Pratapnagar	East Godavari	1x31.5x+1x50	2x31.5+1x50	31.5	14.09.2020
9	132 KV SS Pedatadepalli	West Godavari	2x50+1x31.5	3x50	18.5	16.09.2020
5	132 KV SS Brahmavedam	Nellore	2x31.5	2x31.5+1x50	50	01.10.2020
10	132kV N.V.Gardens	Nellore	2x31.5+1x50	3x31.5+1x50	31.5	05.11.2020
11	132kV SS Pamarru	Krishna	1x31.5+1x50	2x50	18.5	07.11.2020
6	132kV SS Yerragondapalem	Prakasam	1x31.5+1x50	2x50	18.5	12.11.2020
12	132kV SS Vontithadi	Vizianagaram	1x31.5+1x50	2x50	18.5	12.11.2020
13	132kV SS Banaganapalli	Kurnool	3x10/16	2x10/16+1x31.5	15.5	13.11.2020
7	132kV SS Kanigiri	Prakasam	2x31.5	1x31.5+1x50	18.5	20.11.2020
14	132kV SS Tenali	Guntur	1x31.5+1x50	1x31.5+2x50	50	23.11.2020
15	132kV SS Amarapuram	Anantapur	1x10/16	2x10/16	16	24.11.2020
8	132kV SS Pulivendula	Kadapa	2x31.5	1x31.5+1x50	18.5	02.12.2020
16	132kV SS Kadiri	Anantapur	2x50	3x50	50	03.12.2020
17	132kV SS Parvathipuram	Vizianagaram	1x16+1x31.5	2x31.5	15.5	04.12.2020
9	132kV SS Payakaraopeta	Visakhapatnam	2x31.5	1x31.5+1x50	18.5	17.12.2020
18	132kV SS Vijayawada	Krishna	2x50	3x50	50	31.12.2020
19	132kV SS Punganur	Chittoor	1x31.5+1x50	2x50	18.50	23.01.2021
10	132kV SS Cement Nagar	Kurnool	1x10/16	1x31.5	15.50	12.02.2021
20	132kV SS Thummaluru	Chittoor	2x31.5	1x31.5+1x50	18.50	12.02.2021
21	132kV SS Bhavanipuram	Krishna	2x31.5	1x31.5+1x50	18.50	27.02.2021
11	132kV SS Venkatagiri	Nellore	2x31.5	1x31.5+1x50	18.50	01.03.2021
22	132/33kV SS K.Kota	West Godavari	1x31.5	1x50	18.50	04.03.2021
23	132kV SS Kanumolu	Krishna	1x31.5+1x50	1x31.5+2x50	50.00	25.03.2021
TOTAL					832.50	

7.5 SUBSTATIONS (DISTRICT WISE) AS ON 31-03-2021

S.No.	Name of the District	No. of Sub-stations				
		400 kV	220 kV	132 kV	33 kV	Total
APEPDCL						
1.	Srikakulam	0	1	10	104	115
2.	Vizianagaram	1	3	10	110	124
3.	Visakhapatnam	1	9	18	216	244
4.	East Godavari	1	7	16	213	237
5.	West Godavari	1	7	15	273	296
Total for EPDCL		4	27	69	916	1016
APCPDCL						
6.	Krishna	0	6	13	262	281
7.	Guntur	1	5	21	280	307
8.	Prakasam	1	5	18	301	325
Total for CPDCL		2	16	52	843	913
APSPDCL						
9.	Nellore	1	5	16	263	285
10.	Chittoor	3	8	30	389	430
11.	Kadapa	1	12	20	292	325
12.	Anantapur	3	20	21	251	295
13.	Kurnool	2	13	18	232	265
Total for SPDCL		10	58	105	1427	1600
Total for Andhra Pradesh		16	101	226	3186	3529

7.6 EHV TRANSMISSION LINES COMPLETED/COMMISSIONED DURING 2020-21					
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 QMDC line from Krishnapatnam to Chittoor at proposed Rachagunneri SS			127.2	15.09.2020
Sub Total				127.20	
B) 220 kV Lines					
1	220kV DC line from 400/220/132kV SS Rachagunneru to the 220kV SS Naidupeta in SPSR Nellore district. (VCIC)		15.215	30.43	30.11.2020
2	Erection of 220kV DC line for making LILO of 220kV Kalapaka - Dairyfarm to proposed 220/132/33kV SS Simhachalam on MC Towers in Visakhapatnam district. (I & II Kalapaka - LILO Loc 163 -44.958km, LILO Loc 163 - Simhachalam-5.955Km), (I & II Dairyfarm - LILO Loc 163 - 6.971Km, LILO Loc 163-Simhachalam - 5.955Km)		5.955	23.82	18.02.2021
3	Erection of 220kV line by making LILO of both the circuits of 220kV Podili – Atmakur DC line to 400/220kV SS Podili with on Multi-circuit towers in Prakasam district, (5.6KM from 220KV SS Podili & 116.918KM from 220KV SS Atmakur)		5.082	20.328	03.03.2021
Sub Total				74.578	
C) 132 kV Lines					
1	Erection of 132kV DC to make LILO of both circuits of 132kV Guntur-Tenali DC line at proposed 220 kV SS Guntur(Prathipadu) on Multi Circuit Towers		19.178	76.712	14.06.2020
2	132kV DC/SC line from 220/132kV SS Nagiri to 132/33kV SS Pachikapalem in Chittoor district.		43.642	43.642	16.07.2020
3	132kV DC line from 220/132kV SS Pydibhimavaram to 132/33kV SS G.Chodavaram in Vizianagaram district.		8.906	17.812	07.08.2020
4	2nd circuit stringing from 220/132 KV SS Pendurthy to 132/33 KV SS Anadapuram in Vizag district.		28	28	08.08.2020
5	132kV DC line from 220kV SS Porumamilla to 132/33kV SS Brahmamgarimattam in Kadapa district.		15	30	22.10.2020
6	132kV DC line from 132/33 kV SS Pachikapalem to 132/33kV SS Penumur in Chittoor district.		24.3	48.6	07.10.2020
7	132kV DC/SC line from 220kV SS Thimmapuram to proposed 132kV Musalikunta (EPC) under HNSS phase - II in Chittoor district.		31.576	31.576	10.11.2020
8	Erection of 132kV DC Line for making LILO of 132kV Tadepalli - Tadikonda SC line at proposed 132kV SS AIIMS at Mangalagiri on Narrow Based Towers		0.7	1.4	13.11.2020
9	Erection of 132kV DC Line for making LILO of 132kV Bhimadole - Nidadavole feeder at 132kV SS Pedatadepalli in West Godavari district		0.5	1	21.12.2020
10	2nd circuit stringing on 132 KV DC/SC line from 220kV SS Nagiri to 132kV SS Pachikapallam in Chittoor district.		43.642	43.642	08.03.2021
11	Erection of 132kV DC line by making LILO of both the lines from existing 132kV Peddapuram - Prathipadu line to 220/132/33 kV SS Ramavaram in East Godavari district. (132kV Ramavaram-Peddapuram Ckt-I - 16.452, 132kV Ramavaram-Peddapuram Ckt-II - 16.862, 132kV Ramavaram-Prathipadu Ckt-I - 23.023, 132kV Ramavaram Prathipadu Ckt-II - 20.334)		10.355	41.42	22.03.2021
12	132KV DC line from 220kV SS Aatmakur to Proposed 132/33kV SS Ananthasagaram in Nellore district		40.319	80.638	24.03.2021
Sub Total				444.442	

7.7 Inter-State and Inter-Regional Tie Line flows - Line wise in MU, Maximum Demand in MW (both Import & Exports) during 2020-21									
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 Total									
1	Kalapaka - Asupaka \$	Andhra Pradesh	Telangana	286.866	1.144	285.72	296 MW during Feb- 21	48 MW during Dec- 20	5474:12:00
2	Kalapaka - Khammam	Andhra Pradesh	Telangana	170.00	0.40	169.60	250MW During Apr 20	-	23991:01:00
3	400 KV Sattenapalli-Srisailem-1	Andhra Pradesh	Telangana	93.6	159.06	-65.46	215 MW During July 20	264 MW during Aug 20	5587:04:00
4	400 KV Sattenapalli-Srisailem-2	Andhra Pradesh	Telangana	109.3	110.48	-1.18	225MW During Feb 21	224MW During Mar 21	6065:03:00
5	400KV Srisailem-Narnoor	Andhra Pradesh	Telangana	115.88	175.402	-59.522	439MW During Aug20	434MW During July 20	1571:53:00
6	400 KV Chittoor - Madras	APTRANSCO/AP	PGCIL/TN	1455.5	0.0	1455.51	420 MW During Nov & Dec 20	-	51:45:00
7	400 KV Chittoor - Thiruvallam -I	APTRANSCO/AP	PGCIL/TN	287.96	598.16	-310.2	370MW During Aug 20	385 MW During May-20	7:01:00
8	400 KV Chittoor - Thiruvallam -II	APTRANSCO/AP	PGCIL/TN	265.42	594.97	-329.55	370 MW During Aug 20	385 MW During May-20	484:17:00
9	400 KV Kalpaka-PGCIL(Gajuwaka)-1	APTRANSCO/AP	PGCIL	82.039	261.352	-179.313	171 MW during June 2020	202MW During Aug 20	43:17:00
10	400 KV Kalpaka-PGCIL(Gajuwaka)-2	APTRANSCO/AP	PGCIL	84.601	260.982	-176.381	171 MW during June 2020	202MW During Aug 20	32:35:00
11	400KV Uravakonda-Veltoor- I	Andhra Pradesh	Telangana	314.83	22.756	292.074	529MW During Aug20	247MW During Aug-20	55:35:03
12	400KV Uravakonda-Veltoor- II	Andhra Pradesh	Telangana	559.308	14.196	545.112	594MW During June 20	236MW During Aug 20	23:35:15
13	400KV Sattenapalli - CH.Peta - I	APTRANSCO	PGCIL	7.9	1337.45	-1329.55	350MW During Mar 20	354MW During Jan 20	9:18:00
14	400KV Sattenapalli - CH.Peta - II	APTRANSCO	PGCIL	8.4	1336.11	-1327.71	350MW During Mar 20	354MW During Jan 20	1:15:00
15	400 KV Sattenapalli - Vijayawada	APTRANSCO/AP	PGCIL	31	190.02	-159.02	73 MW During Feb 20	141MW During Dec 20	20:59:00
16	400 KV Narnoor - Maheswaram	APTRANSCO/AP	PGCIL/TN	314.77	504.49	-189.71	519 MW During Aug 20	370MW During Nov 20	58:53:00
17	400 KV Narnoor-Gooty	APTRANSCO/AP	PGCIL/AP	1908.81	273.87	1634.94	609 MW During Dec 20	265 MW During July 20	20:59:00
18	400 KV Narnoor - Orvakal-1	APTRANSCO/AP	PGCIL/AP	422.52	306.61	115.91	565MW During May20	473MW During Jan 20	35:35:00
19	400 KV Narnoor - Orvakal-2	APTRANSCO/AP	PGCIL/AP	424.52	312.63	111.89	568MW During May20	473 MW During Jan 20	32:34:00
20	400 kv Manubolu - VTPS	APTRANSCO	PGCIL	1225.50	0.00	1225.50	-	411 MW During April 20	27:26:00
21	400 kv Manubolu - Nunna	APTRANSCO	PGCIL	0.0	1074.9	-1074.87	-	398 MW During April 20	2:33:00

22	400 KV Hindupur - NP Kunta - 1	Andhra Pradesh	Andhra Pradesh	717.7	9.7	708.02	476 MW During June 20	-	846:25:00
23	400 KV Hindupur - NP Kunta - 2	Andhra Pradesh	Andhra Pradesh	324.49	16.63	307.85	429 MW During Aug 20	-	3948:35:00
24	400kV Krishnapatnam-1 Feeder	Andhra Pradesh	Andhra Pradesh	9.12	1152.50	-1143.38	120 MW During May 20	-640 MW During Aug 20	756:40:00
25	400kV Krishnapatnam-2 Feeder	Andhra Pradesh	Andhra Pradesh	4.96	932.71	-927.76	55 MW During Oct 20	-640 MW During Aug 20	2010:30:00
26	400KV Kadapa - Chittoor	Andhra Pradesh	Andhra Pradesh	0.79	2020.57	-2019.776	50 MW During Aug 20	-500 MW During April 20	16:58:00
220KV Lines									
1	220KV Ragulapadu - Allipura	KARNATAKA	Andhra Pradesh	66.97	96.85	-29.88	109.80MW during March 21	98.5MW March 21	40:15:00
2	220 KV Chittoor - Tiruvalam	Andhra Pradesh	Tamila Nadu	747.2453	0.623	746.6223	206MW During March 21	-	126:06:00
3	220 KV B. Kotkur - Wanaparthy Line	Andhra Pradesh	Telangana	53.536	103.331	-49.795	65.4MW During Sept 20	94.5MW During Nov 20	1607:30:00
4	220KV Srisailam-Dindi Feeder.	Andhra Pradesh	Telangana	128.11	220.99	-92.88	118.2MW During Feb 21	190 MW During May 20	32:35:00
5	220 kv Srisailam-Domalapenta	Andhra Pradesh	Telangana	131.854	207.328	-75.474	136MW During Sep 20	129 MW During Aug 20	24:59:00
6	220KV Srisailam - Nagarjuna sagar Feeder	Andhra Pradesh	Telangana	31.761	233.94	-202.179	109.9MW During May 20	120.9 MW During May 20	89:16:00
7	220 KV Nunna-KTPS	Andhra Pradesh	Telangana	0.00	395.40	-395.4	**	176MW During June 20	96:47:00
8	# 220 KV Chillakallu-Suryapet	Andhra Pradesh	Telangana	181.73	249.52	-67.791	197MW During Nov 20	172MW During May 20	63:22:00
9	# 220 KV Chillakallu-Narketpalli(Pulichintala)	Andhra Pradesh	Telangana	370.16	1.24	368.91	123 MW During Feb21	27MW During Oct20	190:24:00
10	220 KV Tallapalli-NSR-I FEEDER	Andhra Pradesh	Telangana	588.96	274.30	314.66	282 MW During March 21	222 MW During Sept 20	15:25:00
11	220 KV Tallapalli-NSR-II FEEDER	Andhra Pradesh	Telangana	591.54	272.38	319.16	282 MW During March 21	222 MW During Sept 20	7:29:00
12	220 KV Tallapalli-NSR-III FEEDER	Andhra Pradesh	Telangana	326.74	134.35	192.39	157MW During March 21	140 MW During Sept 20	324:19:00
13	220KV Tallapalli - Chalakurthy feeder	Andhra Pradesh	Telangana	443.15	0.62	442.53	171MW During Jan 21	**	250:56:00
14	220KV Sullurpeta-Gummidipudi	Andhra Pradesh (APTRANSCO)	Tamila Nadu	309.22	53.00	256.21	150 MW During Apr 20	145 MW During Aug 20	210:20:00
15	220KV Lower Sileru-KTPS-I	Andhra Pradesh	Telangana	407.47	3.50	403.98	161MW During Apr 20	**	173:30:00
16	220KV Lower Sileru-KTPS-II	Andhra Pradesh	Telangana	54.97	0.00	54.97	11 MW During Apr 20	**	1:51:00
17	220KV Nunna-PGCIL-1 Feeder	Andhra Pradesh	Telangana	0.00	918.32	-918.32	**	190 MW During May20	14:01:00
18	220KV Nunna-PGCIL-2 Feeder	Andhra Pradesh	Telangana	0.00	939.92	-939.92	**	190 MW During May20	2:28:00
19	220KV Nunna-PGCIL-3 Feeder	Andhra Pradesh	Telangana	0.00	1454.48	-1454.48	**	310 MW During May20	0:00:00
20	220KV VSS-PGCIL - I	PGCIL	APTRANSCO	1683.24	1692.18	-8.95	**	275 MW During Mar 21	2:10:00
21	220KV VSS-PGCIL - I I	PGCIL	APTRANSCO	1546.29	1551.79	-5.49	**	260 MW During Mar 21	2:11:00

132 KV Lines									
1	132 KV Tangeda-Wadapalli	Andhra Pradesh	Telangana	1.772	186.632	-184.86	**	96.34MW During May20	36:42:00
2	132 KV Piduguralla-Wadapalli	Andhra Pradesh	Telangana	**	**	**	**	**	25:40:00
3	132 kv Chillakallu-Madhira	Andhra Pradesh	Telangana	119.91	0	119.91	32 MW During Oct20	**	43:28:00
4	132 kv Chillakallu-Khammam	Andhra Pradesh	Telangana	0	0	0	0	0	8760:00:00
5	132 kv Chillakallu-Kusumanchi	Andhra Pradesh	Telangana	29.33	0.00	29.33	69MW During Aug 20	**	8788:00:00
6	132 kv Chillakallu-Seethapuram	Andhra Pradesh	Telangana	33.09	14.99	18.10	50 MW During Jan 21	54MW During Sep19	5:33:00
7	132 kv Chillakallu-Ramapuram	Andhra Pradesh	Telangana	86.72	1.99	84.73	86MW During Sep19	27MW During Oct 20	16:11:00
8	132 kv Chillakallu-Bonakallu Railway-I	Andhra Pradesh	Telangana	16.31	0.00	16.31	12MW During Dec 20	**	30:12:00
9	132 kv Chillakallu-Bonakallu Railway-II	Andhra Pradesh	Telangana	16.76	0.00	16.76	13MW During Feb 21	**	33:00:00
10	132 kv Chillakallu-Kodad	Andhra Pradesh	Telangana	234.41	28.38	206.03	96MW During Jan 21	57MW During May 20	62:18:00
11	132KV AP Carbides-Alampur -I	Andhra Pradesh	Telangana	**	**	**	43MW During Jan 21	41MW During May 20	2312:44:00
12	132KV AP Carbides-Alampur -II	Andhra Pradesh	Telangana	**	**	**	42MW During Feb21	41MW During May 20	2534:58:00
13	132 KV K.Kota -Aswarao Peta-I	Andhra Pradesh	Telangana	2.57	121.77	-119.21	25MW During Apr 20	79MW During Sep 20	3346:37:00
14	132 KV K.Kota -Aswarao Peta-II	Andhra Pradesh	Telangana	5.9	148.22	-142.32	76MW During Feb21	86MW During Feb 21	2876:37:00
15	132KV Pratap Nagar-Yanam	Andhra Pradesh	Puducherry	54.97	0.00	54.97	11.4MW During May 20	**	1:51:00
16	132KV Guntakal -Hampi	Andhra Pradesh	Karnataka	1.25	144.84	-143.59	**	50 MW During Oct 20	0:56:00

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

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

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

7.8 (A) APTRANSCO PURCHASES OF ENERGY

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

7.8 (A) APTRANSCO PURCHASES OF ENERGY

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

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(DISCOM +UI+Inter state)	T&D Losses (Incl. UI energy) MU	T&D Losses (Incl. UI energy) (%)	3rd party energy Handled
2004-05	51142	46255	4.53	37617.63	2132.61	439	40188.74	10953.26	21.42	2380.32
2005-06	51857.16	47807	4.48	39651.69	527.29	1199.72	41378.7	10478.46	20.21	2253.62
2006-07 (incl PGCIL losses)	57464	53994.81	4.80	44850	500.26	212.85	45563.11	11900.89	20.710	1882.95
2006-07 (excl PGCIL losses)	57464	53994.81	3.94	44850	500.26	212.85	45563.11	11390.58	19.822	1882.95

7.8(B) SALE OF ENERGY AND SYSTEM LOSSES

Year Ending March	Energy Handled	(Transco Sales)	Transmission Losses (%)	DISCOM sales	33kV Private developers	33kv Genco	Sale of power(incl wheeling)	T&D Losses in MU	T&D Loss%
2007-08	61797.37	56992.07	4.27	48390.42	1616.79	93.41	49939.14	11858.23	19.19
2008-09	67386.76	62637.1	4.02	53215.36	1276.44	107.13	54830.9	12555.86	18.63
2009-10	74611.87	68960.26	4.65	59118.39	1484.189	81.93	60930.058	13681.812	18.34
2010-11	77764.05	72131.75	4.50	62618.77	1472.36	92.15	64149.24	13614.81	17.51
2011-12	85050.44	79966.26	4.22	69955.05	1465.66	91.11	71270.35	13780.09	16.20
2012-13	83291.17	77988.21	5.24	68307.17	925.47	66.41	69281.69	14009.48	16.82
2013-14	89500.01	83847.08	5.00	73055.73	1163.22	74.35	74158.34	15341.67	17.14
2014-15 (Apr& May)	15590.82	14625.73	3.92	12603.71	163.37	11.3	12603.71	2987.11	19.16
2014-15 (Jun to Mar)	40771.62	38215.18	3.37	35543.8	869.379	21.83	35543.8	5227.82	12.82
2015-16	50110.44	47330.78	3.37	44439.19	1102.37	24.81	44817.6	5292.84	10.56
2016-17	54770.55	51488.76	2.92	47822.87	1708.36	22.07	48392.34	6378.21	11.65
2017-18	58262.62	54583.39	3.13	50519.22	1899.13	17.03	51313.77	6948.85	11.93
2018-19	61347.20	59443.95	3.10	54567.05	2258.01	16.85	55327.95	8294.12	13.04
2019-20	63543.27	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

7.8 (C) ENRGY BALANCE SHEET 2020-21

S.No	Particulars	2020-21 (From Apr-20 to Mar -21)
1	Input from State Generators including wheeling	35205.45
2	CGS (Ex-Bus)	26795.62
3	System Input at 132 kv & above including Wheeled Energy (1+2)	62001.07
4	Energy delivered by Transco to Discoms Including Wheeled Energy	59530.64
5	Transmission Losses (Incl.Wheeling) (3-4) inclusive of PGCIL losses	2470.43
6	% Transmission Losses (Incl wheeling) on respective Inputs{(5/3*100)} inclusive of PGCIL losses	3.98
6a	% Transmission Losses (Incl wheeling) on respective Inputs{(5-11)/(3-11)*100)} exclusive of PGCIL losses	2.60
7	Net wheeled Energy at 132 KV & above by Third Party Developers	1298.160
8	Energy delivered by Transco to Discoms Excluding Wheeled Energy at 132 KV & above (4 - 7)	58232.48
9	Drawls at 33 KV & 11 KV from TP developers	1936.75
10	Drawls at 33 KV & 11 KV from Genco	15.33
11	External losses (PGCIL losses)	881.60
12	Input to Discoms (Incl Wheeling Energy)(8+9+10)	60184.56
13	Discoms sales of Energy (Excl Wheeling)	54676.31
14	Net Wheeled Energy at 33 KV & Below by Third Party Developers	1108.92
15	Discoms sales of Energy (Incl. Wheeling) (13 + 14)	55785.23
16	Distribution Losses (Incl. wheeling) (12-15)	4399.33
17	% Distribution losses (Incl.Wheeling) on respective inputs { (16/12)*100 }	7.31
18	T & D Input (Ex-Bus Availability) (3+9+10)	63953.15
19	T & D Sales (Incl.Wheeling) by Discoms (15+7)	57083.39
20	T & D Losses (Incl. Wheeling) (18-19)	6869.76
21	%T & D losses (Incl.wheeling) &(Incl SR Losses) (20/18*100)	10.74
22	T & D Losses (Incl. Wheeling) & (Excl. SR Losses) (20-11)	5988.16
23	T & D Input (Ex-Bus Availability) (Excl. SR Losses) (18-11)	63071.55
24	%T & D losses (Incl.wheeling) (Excluding SR Losses)((22/23)*100)	9.49

7.9 CATEGORY-WISE SERVICES AS ON 31.3.2021

(EXCLUDING R.E.S.CO-OPERATIVES)

S.No.	DISTRICT	L.T.CATEGORY					Total LT	H.T.	TOTAL
		I	II	III	IV	V			
		Dom	Cmml	Indl	Instnl	Agl			
1	SRIKAKULAM	750276	66959	2767	19711	27200	866913	437	867350
2	VIZIANAGARAM	596196	58972	2363	11586	38650	707767	352	708119
3	VISAKHAPATNAM	1272858	143659	3509	23419	32695	1476140	1548	1477688
4	EAST GODAVARI	1545939	169740	6170	35429	49993	1807271	1121	1808392
5	WEST GODAVARI	1188204	139578	4293	26069	103962	1462106	852	1462958
	TOTAL APEPDCL	5353473	578908	19102	116214	252500	6320197	4310	6324507
6	KRISHNA	1501285	193764	9923	28151	118307	1851430	2053	1853483
7	GUNTUR	1714747	192557	12891	28710	111183	2060088	2028	2062116
8	PRAKASAM	1060085	100277	8983	21338	191768	1382451	1288	1383739
	TOTAL APCPDCL	4276117	486598	31797	78199	421258	5293969	5369	5299338
9	S.P.S NELLORE	1104680	111732	8326	62077	187370	1474185	994	1475179
10	Y.S.R. KADAPA	892270	90103	7110	29186	174677	1193346	731	1194077
11	KURNOOL	1156173	120941	14527	29276	201475	1522392	1011	1523403
12	ANANTHAPURAM	1212465	124253	10688	23686	303826	1674918	874	1675792
13	CHITTOOR	1297885	141587	19516	47535	292667	1799190	1627	1800817
	TOTAL APSPDCL	5663473	588616	60167	191760	1160015	7664031	5237	7669268
	TOTAL FOR A.P.	15293063	1654122	111066	386173	1833773	19278197	14916	19293113

7.9(a) CATEGORY WISE SERVICES OF RESCOs AS ON 31-03-2021

Sl. No.	Name of RESCO and District	I-Dom	II-Comml	III-Ind	IV-Instl	V-Agl	Total L.T	Total H.T	Grand Total
1	Anakapally (Vizag)	145640	10885	1122	3301	12458	173406	0	173406
2	Cheepurupally (Vizianagaram)	52525	3933	485	197	7257	64397	0	64397
3	Kuppam (Chittoor)	81060	6906	523	2956	33622	125067	0	125067
	Total	279225	21724	2130	6454	53337	362870	0	362870

7.9B CATEGORY-WISE SERVICES AS ON 31.3.2021
(Including RESCOs)

S.No.	DISTRICT	L.T.CATEGORY						H.T.	TOTAL
		I	II	III	IV	V	Total LT		
		Dom	Comml	Ind	Instl	AgI			
1	SRIKAKULAM	750276	66959	2767	19711	27200	866913	437	867350
2	VIZIANAGARAM	648721	62905	2848	11783	45907	772164	352	772516
3	VISAKHAPATNAM	1418498	154544	4631	26720	45153	1649546	1548	1651094
4	EAST GODAVARI	1545939	169740	6170	35429	49993	1807271	1121	1808392
5	WEST GODAVARI	1188204	139578	4293	26069	103962	1462106	852	1462958
	TOTAL APEPDCL	5551638	593726	20709	119712	272215	6558000	4310	6562310
6	KRISHNA	1501285	193764	9923	28151	118307	1851430	2053	1853483
7	GUNTUR	1714747	192557	12891	28710	111183	2060088	2028	2062116
8	PRAKASAM	1060085	100277	8983	21338	191768	1382451	1288	1383739
	TOTAL APCPDCL	4276117	486598	31797	78199	421258	5293969	5369	5299338
9	NELLORE	1104680	111732	8326	62077	187370	1474185	994	1475179
10	CHITTOOR	1378945	148493	20039	50491	326289	1924257	1627	1925884
11	KADAPA	892270	90103	7110	29186	174677	1193346	731	1194077
12	ANANTAPUR	1212465	124253	10688	23686	303826	1674918	874	1675792
13	KURNOOL	1156173	120941	14527	29276	201475	1522392	1011	1523403
	TOTAL APSPDCL	5744533	595522	60690	194716	1193637	7789098	5237	7794335
	TOTAL FOR A.P.	15572288	1675846	113196	392627	1887110	19641067	14916	19655983

7.10 INTER STATE TRANSMISSION LINES

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

7.10 INTER STATE TRANSMISSION LINES

Sl.No.	Name of the Inter State Line	SC/DC	Voltage in kV	Length in CKM	COD
27					
28	132KV Nagarjunasagar - RCPH feeder	SC	132	6.00	25.02.1983
29	132KV Piduguralla - Wadapalli	DC	132	86.44	22.02.2014
30	132KV Tangeda - Wadapalli DC/SC line	SC	132	27.38	26.08.2010
31	132KV Chillakallu - Kodada SC line	SC	132	11.72	10.06.2004
32	132KV Chillakallu - Vepulasingaram SC line (Ramapuram)	SC	132	15.00	21.10.1982
33	132KV Chillakallu - Sitapuram SC line	SC	132	15.00	06.04.2004
34	132KV Chillakallu - Khammam SC line	SC	132	11.00	12.02.2001
35	132KV Chillakallu - Kusumanchi SC line	SC	132	11.00	24.12.1985
36	132KV Chillakallu - Madhira SC line	SC	132	21.00	27.10.2001
37	132KV Sitapuram - KCP Cements line	SC	132	2.03	10.05.2010
38	132KV Chillakallu - Bonakallu Railway Traction I (DC) feeder	DC	132	37.00	20.01.1987
39	132KV Chillakallu - Bonakallu Railway Traction II (DC) feeder				
40	132 KV A.P.Carbides - Alampur I	DC	132	14.10	20.01.1987
41	132 KV A.P.Carbides - Alampur II	DC	132	14.10	13.01.2000
42	132KV K.Kota - Aswaraopet I	DC	132	62.10	09.06.1982
43	132KV K.Kota - Aswaraopet II	DC	132		
44	132 KV Pratapnagar(Kakinada)-Yanam(pondichery)	SC	132	30.30	21.11.2013

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

7.11 GROWTH OF CONSUMERS AND CONNECTED LOAD

SL. No.	Category	1987-88		1988-89		1989-90		1990-91		1991-92	
		Number of Consumers	Connected Load (MW)	Number of Consumers	Connected Load (MW)	Number of Consumers	Connected Load (MW)	Number of Consumers	Connected Load (MW)	Number of Consumers	Connected Load (MW)
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
I.	LOW TENSION										
	1.Domestic	7300553	4028	7694653	4246	8124786	5039	10258476	5280	10708638	5431
	2.Non-Domestic	774054	762	820077	807	865161	810	907119	883	957448	991
	3.Industrial	119737	1823	126180	1921	135703	2456	145786	2098	152203	2263
	4.Cottage Industries	13712	54	14393	57	14950	56	15668	44	16232	51
	5.Agricultural	1736025	6117	1792113	6315	1821280	6244	1821280	6267	2088759	7428
	6.Public Lighting	56843	92	63643	103	66133	219	68212	151	70753	187
	7.General Purpose	65850	53	67977	55	71285	86	72646	68	74113	70
	8.Temporary	381		567	-	813	3	813	2	813	3
Total L.T	10067155	12929	10579603	13504	11100111	14913	13290000	14793	14068959	16424	
II.	HIGH TENSION										
	1.Industrial Ordinary Tariff	2549	2172	2543	2501	2541	1810	2618	2418	2726	2482
	2.Industrial (Intensive) *	13	368								
	3.Industrial (Alternative)	870	372	929	397	999	209	1062	446	1184	532
	4.Agricultural	236	94	227	100	243	70	258	101	273	99
	5.Temporary	6	0.27	3	0.2	2	2	36	402	37	418
	6.Railway Traction	33	292	34	301	36	281	141	44	155	47
	7.Others **	128	194	139	198	144	177	79	139	185	253
Total H.T	3835	3492	3875	3497	3965	2549	4194	3550	4560	3831	
Grand Total (I+II)	10070990	16421	10583478	17001	11104076	17462	13294194	18343	14073519	20255	

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

** Reconciled data.

7.11 GROWTH OF CONSUMERS AND CONNECTED LOAD

Sl. No.	Category	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
	HIGHT TENSION																								
ii.	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.	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	
		Number of Consumers	Connected Load (MW)	Number of Consumers	Connected Load (MW)
1.	2.	13	14	15	16
I.	LOW TENSION				
1	Domestic supply	14904878	14451.38	15293063	15290
2	Commercial	1564086	3547.07	1654122	3785
3	Industrial/Cottage Industrial	94904	2524.33	111066	2433
4	Institutional	1812376	11187.26	386173	11743
5	Agriculture & related Services *	418741	2238.366	1887110	1700
	Total L.T	18794985	33948.406	19331534	34951
II.	HIGH TENSION				
	Total H.T	14321	7395.44	14916	8358.98
Grand Total (I+II)		18809306	41343.846	19346450	43309.98

* Including RESCOs services

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	802718.328	818969.01	845601.547	864064	885088	905826.73	926810.882	946541	516747
	† Reconciled																
II - SUB - STATIONS (Nos)																	
Sl. No	Voltage (kV)	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
1	400 kV	Nil	2	3	3	3	3	7	7	8	9	9	10	10	11	12	6
2	220 kV	59	63	69	73	76	78	79	82	90	93	96	99	109	117	120	71
3	132 kV *	170	180	186	191	210	229	243	256	264	269	277	295	309	312	329	169
4	66 kV	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	33 kV	1764	1862	1941	2123	2329	2474	2642	2821	3023	3355	3714	3887	4056	4369	4674	2633
	Total Nos	1996	2107	2199	2390	2618	2784	2971	3166	3385	3726	4096	4291	4484	4809	5135	2879
6	Distribution Transformers (Nos)	186847	201801	216453	242668	323033	405937	474959	519365	580721	725837	737544	811108	894581	958015	1032863	621171
7	Rs 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)

Sl. No	VOLTAGE	At the end of March						
		2015Residuary AP	2016*	2017	2018	2019	2020	2021
1	400 kV	2400.00	2891.84	3606.79	4561.83	5309.53	5309.53	5436.73
2	220 kV	8395.00	9954.27	10549.00	11032.84	11432.01	11686.95	11761.53
3	132 kV	8600.00	9784.47	10091.43	10720.23	11237.69	1435.48	11879.92
4	33kV	24084.00	24639.19	24803.48	25827.26	26261.76	27294.00	27906.24
5	11kV	184499.00	192080.66	217700.67	226012.73	235629.98	247890.00	265348.85
6	L.T Lines in kV	288769.00	296982.87	320569.04	327044.16	343676.00	351920.00	365127.66
	Total CKM	516747.00	536333.30	587320.41	605199.05	633546.97	655535.53	687460.93

II - SUB - STATIONS (Nos)

Sl. No	Voltage (kV)	At the end of March						
		2015	2016	2017	2018	2019	2020	2021
1	400 kV	6	6	10	11	15	15	16
2	220 kV	71	75	84	87	93	100	101
3	132 kV	169	180	191	206	212	220	226
5	33 kV	2633	2728	2766	2898	2949	3123	3186
	Total Nos	2879	2989	3051	3202	3269	3458	3529
6	Distribution Transformers (Nos)	621171	635055	814078	875547	949799	1020639	1128324
7	DTRs Transformer Capacity (MVA)	22256	22976	28227	29672	31862	35856	37214

* Reconciled

7.13 DISTRIBUTION LINES AND DISTRIBUTION TRANSFORMERS EXISTING AS ON 31-03-2021

S.No.	District	Lines in Km			(Nos)
		33 kV	11 kV	L.T	DTRs
APEPDCL					
1	Srikakulam	1040.8	7332.66	14751.47	22016
2	Vizianagaram	741.84	6008.36	10780.15	21439
3	Visakhapatnam	1312.68	8083.31	18809.58	41223
4	East Godavari	1649.96	11697.65	18549.03	69267
5	West Godavari	2662.58	18719.19	26262.23	106944
Sub-total		7407.86	51841.17	89152.46	260889
APSPDCL					
6	Krishna	2338.05	16753.75	40650.34	79820
7	Guntur	2223.14	18883.98	24492.83	73269
8	Prakasam	3082.75	42818.86	54922.12	87907
Sub-total		7643.94	78456.59	120065.29	240996
APSPDCL					
9	Nellore	2291.33	16567.89	25745.08	89460
10	Chittoor	3077.67	28887.94	33278.70	142652
11	Kadapa	2021.17	24543.29	23201.09	127089
12	Anantapur	2888.43	36455.35	33997.71	95876
13	Kurnool	2575.83	23639.85	29672.63	144689
Sub-total		12854.44	130094.31	145895.21	599766
Total for A.P(DISCOMs)		27906.24	260392.07	355112.96	1101651
1	Chipurupalli	0.00	824.77	1627.88	1252
2	Anakapalle	0.00	1334.00	3497.00	12971
3	Kuppam	0.00	2798.01	4889.83	12450
RESCOs Total		0.00	4956.77	10014.71	26673
Grand Total		27906.24	265348.85	365127.66	1128324

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 industries with evening peak hour restrictions.For continuous process industry :70% during day time and 50% during peak. • From 08-12-2011 restrictions for continuous process industry reduced to 60% for day time and 40% during peak. (No change for Non-Continuous process industry).• Power holidays lifted to all industries from 13-01-2012 • From 21-01-2012 70% supply to continuous process industry during day time i.e from 6:00 AM to 6:00 PM and 100% supply for balance period. No LR for non-continuous process industries. • During the period 11-02-2012 to 29-02-2012 5 days power holidays to continuous process Industries. • One day power holiday introduced to non-continuous process industries from 15-02-2012 and enhanced to 2days/week from 18-02-012 and 3 days/week (or 40% cut for the total March month) from 08-03-2012. Peak hour restrictions also imposed from 08-03-2012. • 12 days power holiday (or 40% cut for the total March Month) for continuous process industries for the month of March'12 with peak load restrictions. 			
2012-13	Industries : As per Hon'ble APERC orders on Restriction and Control Measures dated 7.9.2012/ 14.9.12 restrictions on contract demand and energy consumption on various industries from 12th September 2012 to March 2013			
2013-14	a)Industries : As per Hon'ble APERC orders on Restriction and Control Measures dated 17.04.2013 restrictions on contract demand and energy consumption on various industries is being implemented			
2014-15Com	Details	From 03.03.2014	From 09.05.2014	From 14.05.2014
	HyderabadTirupati,Vizag and warangal	3 Hours in two spells3 Hours in two spells4 Hours in t	3 Hours in two spells3 Hours in two spells4 Hours in	3 Hours in two spells3 Hours in two spells4 Hours
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 wih agriculture supply Industries : Nil	From 01/03/2015	NIL	

7.14 POWER RESTRICTIONS (2016-2019)

2016-17	1.Total Load Shedding in the state during the year 2016-17 : 34.89 MU (Includes Industrial Load relief of Nil MU)
	2.R&C measures to Domestic Sector and Power Holidays to Industries: NIL
	3.Power Supply to Agricultural sector: i)Three Phase Supply : 7 Hours in one or two spells. ii)Single phase supply : No single phase supply for agriculture sector.
2017-18	1. Total Load Shedding in the state during the year 2017-18 : 10.06 MU (Includes Industrial load relief of Nil MU)
	2. R& C measures to Domestic Sector and Power Holidays to Industries : Nil
	3.Power Supply to Agricultural sector: i)Three Phase Supply : 7 Hours in one or two spells. ii)Single phase supply : No single phase supply for agriculture sector.
2018-19	1. Total Load Shedding in the state during the year 2018-19 : 6.50 MU (Includes Industrial load relief of Nil MU)
	2. R& C measures to Domestic Sector and Power Holidays to Industries : Nil
	3.Power Supply to Agricultural sector: i)Three Phase Supply : 7 Hours in one or two spells. ii)Single phase supply : No single phase supply for agriculture sector. 9 Hours supply in day time as per G.O.No.17 Dt:15.02.2019
2019-20	1. Total Load Shedding in the State during the year 2019-20: 36.11 MU (Includes Industrial load relief of Nil MU)
	2. R&C measures to Domestic Sector and Power Holidays to Industries: NIL
	3. Power supply to Agricultural Sector: i) Three phase supply:9 hours supply- day time in two spells. ii) Single phase supply:No single phase supply for agricultural sector
2020-21	1. Total Load Shedding in the State during the year 2020-21: 5.63 MU (Includes Industrial load relief of Nil MU)
	2. R&C measures to Domestic Sector and Power Holidays to Industries: NIL
	3. Power supply to Agricultural Sector: i) Three phase supply:9 hours supply- day time in groups ii) Single phase supply: No single phase supply for agricultural sector

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

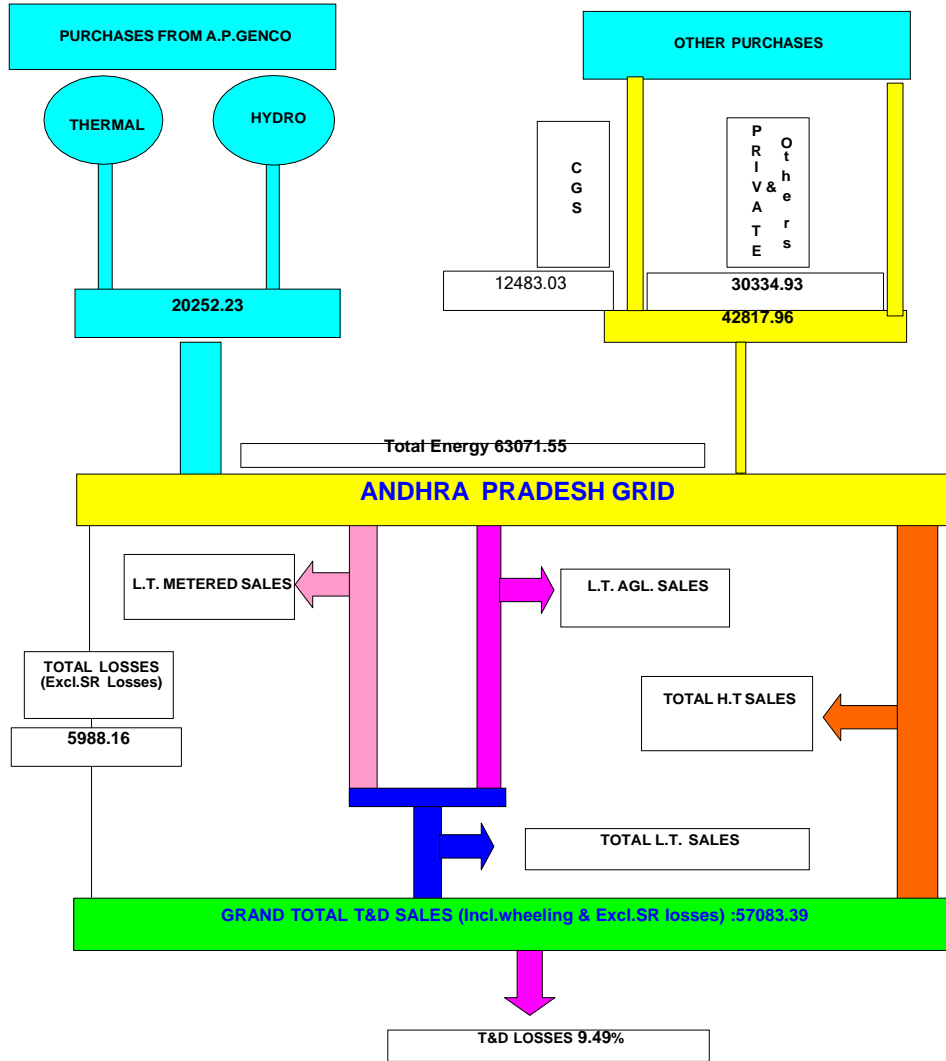
DISTRICT WISE STATEMENT OF CASES REPORTED AND COMPOUNDED DURING 2020-21

S.No.	District/ APTS	No.of cases reported	Assessment amount Collected	Cases compounded	Compounding amount collected
			(In Lakhs)		(in Lakhs)
	APEPDCL				
1	Srikakulam	1407	19.25	1448	11.47
2	Vizianagaram	1085	29.296	1019	11.33
3	Visakhapatnam	1117	39.89	1075	10.18
4	East Godavari	560	63.60	620	9.020
5	West Godavari	1088	107.30	1149	15.64
	Total	5257	259.33	5311	57.64
	APSPDCL				
1	Krishna	906	102.75	923	19.38
2	Guntur	1947	115.31	2112	41.66
3	Prakasam	1849	92.79	1960	34.52
4	Nellore	1771	114.35	1909	25.33
5	Chittoor	778	18.83	889	9.20
6	Kadapa	3328	111.44	3212	36.21
7	Ananatapur	1526	72.33	1670	21.48
8	Kurnool	2896	58.27	2809	22.31
	Total	15001	686.07	15484.00	210.09
	Grand Total	20258	945.40	20795	267.73

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

Year	Theft cases registered by APTS	Cases compounded	No. of arrests	Assessed amount Collected (Rs. in lakhs)	Compounding amount Collected (Rs. in lakhs)
2000-01	18505	11798	1778	900.99	783.29
2001-02	35536	31494	801	1261.45	1127.72
2002-03	108889	68424	1505	1315.82	760.53
2003-04	91168	81082	1816	1307.70	850.84
2004-05	128006	78505	1278	1108.15	746.56
2005-06	165510	130670	2710	1293.11	1023.35
2006-07	108398	125292	1306	1060.90	1031.72
2007-08	125913	125755	708	1234.92	1013.10
2008-09	101603	65678	75	929.89	625.28
2009-10	117312	86431	39	1296.93	816.97
2010-11	133473	140689	94	2011.66	1206.69
2011-12	87671	152760	15	811.27	1373.21
2012-13	116672	121830	25	5394.28	1211.13
2013-14	99454	101514	72	8684.22	1043.38
Total	1438110	1321922	12222	28611.28	13613.77
2014-15 (Apr-14 to May-14) Combined AP	16542	17038	12	965.82	201.515
2014-15 (Jun-14 to Mar-15) Residuary AP	41654	40634	11	1805.82	426.125
2015-16	61992	60436	6	2024.4	697.3
2016-17	62467	60216	23	2405.11	698.21
2017-18	66100	67145	13	2791.53	661.58
2018-19	61390	61096	5	2127.16	628.51
2019-20	45606	48003	0	1323.64	462.43
2020-21	20258	20795	0	945.40	267.73

A.P.TRANSKO ENERGY BALANCE SHEET 2020-21
 (ALL FIGURES IN MU) (Excluding SR Losses)



8. RURAL ELECTRIFICATION

8.1 - RURAL ELECTRIFICATION PROGRESS AS ON 31-03-2021 AND PROGRAMMED FOR 2021-22

Sl. No.	Particulars	Total Existing in the State as on 31-03-2021 (Nos.)	Total Electrified as on 31-03-2020 (Nos.)	Electrified during 2020-21 (Nos.)	Total Electrified as on 31-03-2021		Balance to be electrified as on 31.03.2022	Programmed to be electrified during 2021-22
					(Nos.)	(%)		
1	Towns (as per 2011 census)	195	195	All electrified	195	100.00	All electrified	All electrified
2	Villages (as per 2011 census)	16158	16158	All electrified	16158	100.00	All electrified	All electrified
3	General Hamlets	24001	23475	13	23488	97.86	513	513
4	Dalitwadas	37402	36312	3	36315	97.09	1087	1087
5	Weaker Section Colonies	22378	21725	33	21758	97.23	620	620
6	Tribal Hamlets/Habitations	6084	5825	0	5825	95.74	259	259
7	SPV Villages	3725	3725	0	3725	100.00	All electrified	All electrified
Sl. No.	Particulars	Total Energized in the State as on 31-03-2020 (Nos.)	Energized during 2020-21 (Nos.)	Total Energized in the State as on 31-03-2021 (Nos.)	Programmed to be Energized during 2021-22			
8	Total Agricultural services released in the state as on 31.03.2021, released during 2020-21 and programmed to be released during 2021-22.	1812376	74,734	18,87,110	80000			

** Reconciled value

8.2- DISTRICT- WISE GENERAL HAMLETS,TRIBAL HAMLETS/HABITATIONS, DALITWADAS AND WEAKER SECTION COLONIES EXISTING, ELECTRIFIED AND PERCENTAGE OF ELECTRIFIED AS ON 31-03-2021

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	%
<i>1</i>	<i>2</i>	<i>3</i>	<i>4</i>	<i>5</i>	<i>6</i>	<i>7</i>	<i>8</i>	<i>9</i>	<i>10</i>	<i>11</i>	<i>12</i>	<i>13</i>	<i>14</i>	<i>15</i>	<i>16</i>	<i>17</i>
	EPDCL															
1	SRIKAKULAM	1305	1305	100.00	914	914	100.00	1922	1922	100.00	1783	1774	99.50	5924	5915	99.85
2	VIZIANAGARAM	779	779	100.00	1180	1180	100.00	1703	1703	100.00	887	863	97.29	4549	4525	99.47
3	VISAKHAPATNAM	1293	1293	100.00	2283	2283	100.00	1265	1265	100.00	816	815	99.88	5657	5656	99.98
4	EAST GODAVARI	939	939	100.00	497	497	100.00	3155	3155	100.00	1867	1861	99.68	6458	6452	99.91
5	WEST GODAVARI	1966	1966	100.00	231	231	100.00	2949	2943	99.80	1448	1439	99.38	6594	6579	99.77
	TOTAL for EPDCL	6282	6282	100.00	5105	5105	100.00	10994	10988	99.95	6801	6752	99.28	29182	29127	99.81
	SPDCL															
6	KRISHNA	959	959	100.00	0	0	0.00	2729	2729	100.00	2488	2488	100.00	6176	6176	100.00
7	GUNTUR	1264	1255	99.29	226	192	84.96	2667	2544	95.39	902	840	93.13	5059	4831	95.49
8	PRAKASAM	1395	1241	88.96	109	82	75.23	3782	3490	92.28	1439	1379	95.83	6725	6192	92.07
9	SPS NELLORE	1398	1346	96.28	64	0	0.00	4738	4639	97.91	1299	1249	96.15	7499	7234	96.47
10	CHITTOOR	7711	7702	99.88	171	136	79.53	4512	4366	96.76	3140	3115	99.20	15534	15319	98.62
11	KADAPA	2158	2158	100.00	13	5	38.46	2312	2270	98.18	2009	1954	97.26	6492	6387	98.38
12	ANANTAPUR	1792	1766	98.55	265	217	81.89	3106	3036	97.75	1912	1732	90.59	7075	6751	95.42
13	KURNOOL	1042	779	74.76	131	88	67.18	2562	2253	87.94	2388	2249	94.18	6123	5369	87.69
	TOTAL for SPDCL	17719	17206	97.10	979	720	73.54	26408	25327	95.91	15577	15006	96.33	60683	58259	96.01
	STATE TOTAL	24001	23488	97.86	6084	5825	95.74	37402	36315	97.09	22378	21758	97.23	89865	87386	97.24

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

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

**8.4-AGRICULTURAL SERVICES RELEASED IN ANDHRA PRADESH
AS ON 31-03-2021**

S. No.	DISCOM/DISTRICT	Total Agl. services released as on 31-03-2020	Agl. services released during 2020-21	Total Agl. services released as on 31-03-2021
EPDCL				
1	SRIKAKULAM	26192	1008	27200
2	VIZIANAGARAM	43870	2037	45907
3	VISAKHAPATNAM	42826	2327	45153
4	EAST GODAVARI	48969	1024	49993
5	WEST GODAVARI	102530	1432	103962
	TOTAL	264387	7828	272215
CPDCL				
6	KRISHNA	116039	2268	118307
7	GUNTUR	108163	3020	111183
8	PRAKASAM	188813	2955	191768
	TOTAL	413015	8243	421258
SPDCL				
9	SPS NELLORE	180864	6506	187370
10	CHITTOOR	321248	5041	326289
11	KADAPA	168309	6368	174677
12	ANANTAPUR	277381	26445	303826
13	KURNOOL	187172	14303	201475
	TOTAL	1134974	58663	1193637
	STATE TOTAL	1812376	74734	1887110

**8.5 - YEAR- WISE AND CUMULATIVE NUMBER OF AGRICULTURAL PUMP-SETS
ENERGISED IN THE A.P.STATE.
(Including R.E.Co-operatives)
(1960 - 2020)**

S. No.	Year	Year -wise Number of Agriculture pump-sets energised	Cumulative Number of Agricultural pump-sets energised
<i>1</i>	<i>2</i>	<i>3</i>	<i>4</i>
1	1960-61	4580	17968
2	1961-62	5819	23787
3	1962-63	6809	30596
4	1963-64	5345	35941
5	1964-65	8868	44809
6	1965-66	12416	57225
7	1966-67	9519	66744
8	1967-68	24635	91379
9	1968-69	30942	122321
10	1969-70	34179	156500
11	1970-71	29238	185738
12	1971-72	26466	212204
13	1972-73	24997	237201
14	1973-74	24788	261989
15	1974-75	13083	275072
16	1975-76	8518	283590
17	1976-77	12778	296368
18	1977-78	21989	318357
19	1978-79	26945	345302
20	1979-80	42990	388292
21	1980-81	55303	443595
22	1981-82	43063	486658
23	1982-83	49115	535773
24	1983-84	43513	579286
25	1984-85	56717	636003
26	1985-86	88712	724715
27	1986-87	94808	819523
28	1987-88	117235	936758
29	1988-89	99726	1036484
30	1989-90	75085	1111569
31	1990-91	81794	1193363
32	1991-92	80609	1273972
33	1992-93	124077	1398049
34	1993-94	106926	1504975
35	1994-95	100832	1605807
36	1995-96	37186	1642993

S. No.	Year	Year -wise Number of Agriculture pump-sets energised	Cumulative Number of Agricultural pump-sets energised
1	2	3	4
37	1996-97	178298	1821291
38	1997-98	☆ 3398	1824689
39	1998-99	59997	1884686
40	1999-2K	48227	1932913
41	2000-01	6660	1939573
42	2001-02	267479	2207052
43	2002-03	50917	2257969
44	2003-04	51636	2309605
45	2004-05	64760	2374365
46	2005-06	66458	2440823
47	2006-07	86977	2527800
48	2007-08	71835	2599635
49	2008-09	81036	2680671
50	2009-10	88604	2769275
51	2010-11	139731	2909006
52	2011-12	152908	3061914
52	2012-13	141957	3203871
53	2013-14	140766	3344637

DATA FOR RESIDUAL ANDHRA PRADESH

54	2014-15	60828	1509495
55	2015-16	72360	1581855
56	2016-17	75403	1657258
57	2017-18	63412	1720670
58	2018-19	86430	1807100
59	2019-20	66652	1873752

☆ Pumpsets Energised by RESCOs only.

54	2014-15	60828	1448119
55	2015-16	72360	1520479
56	2016-17	75403	1595882
57	2017-18	63412	1659294
58	2018-19	86430	1745724
59	2019-20	66652	1812376
60	2020-21	74734	1887110

8.6 YEAR- WISE REC SCHEMES AS ON 31.03.2021

(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	--
	TOTAL	7000	41899.72	789.57	24099.91	661.03

8.7 REC SCHEMES - ACHIEVEMENTS (PHYSICAL)**Electrified as on 31-03-2021**

Sl.No.	Particulars	Existing /Target (Nos.)	Achievement (Nos.)	Programmed to be Released during 2021-22
1	2	3	4	5
1	SPV.Villages	3,725	3,725	-
2	General Hamlets	24,001	23,475	526
3	Pump-sets energization during 2020-21	-	74,734	80,000
4	Dalit Wadas/WSC/Tribal Habitations	65864	63849	2,015

8.8 ACCIDENTS

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

Sl. No.	Category	98-99	99-2K (*)	2000-01 (*)	07-08 (*)	08-09	09-10	10-11	11-12	12-13	13-14	14-15 #	15-16	2016-17	2017-18	2018-19	2019-20	2020-21
		19	20	21	28	29	30	31	32	33	34	35	36	37	38	39	40	41
1.	DEPARTMENTAL																	
	A) Fatal	33	52	64	66	71	101	178	343	171	27	18	317	22	13	7	18	17
	B) Non-Fatal	71	24	34	68	83	88	63	75	65	40	13	87	8	20	22	14	29
	Total	104	76	98	134	154	189	241	418	236	67	31	404	30	33	29	32	46
2.	NON-DEPARTMENTAL																	
	A) Fatal	277	177	307	673	887	826	774	554	903	895	391	114	265	598	610	576	673
		(a-90)											(a-212)	(a-200)	(a-312)	(a-347)	(a-323)	(a-192)
	B) Non-Fatal	46	34	40	117	166	195	161	87	123	133	68	12	10	90	126	27	75
	Total	323	211	347	790	1053	1021	935	641	1026	1028	459	126	275	688	736	603	748
3.	GRAND TOTAL																	
	A) Fatal	310	229	371	739	958	927	952	897	1074	922	409	431	287	611	617	594	689
	B) Non-Fatal	117	58	74	185	249	283	224	162	188	173	81	99	18	110	148	41	104
	Total	427	287	445	924	1207	1210	1176	1059	1262	1095	490	530	305	721	765	635	794

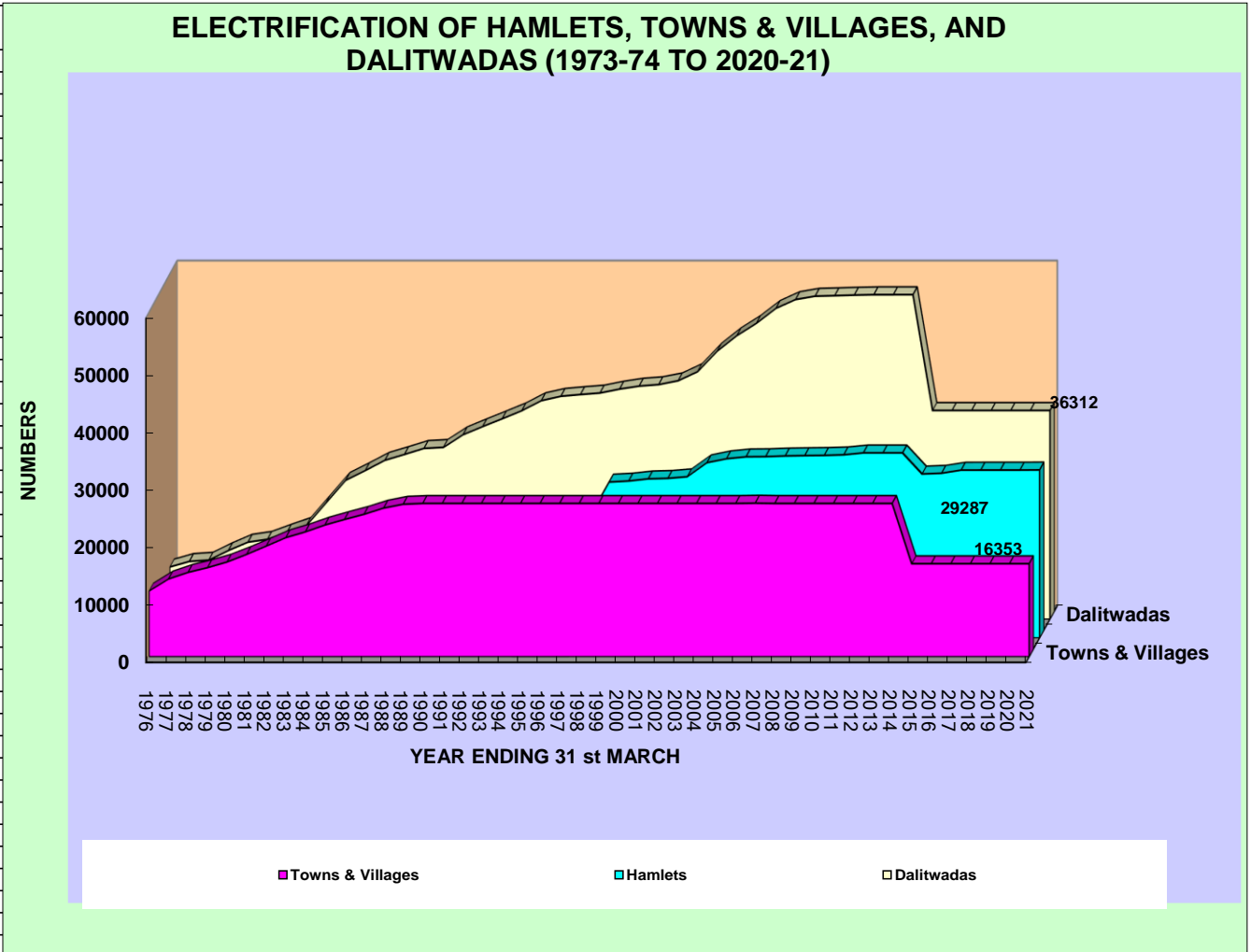
a = Animal

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)

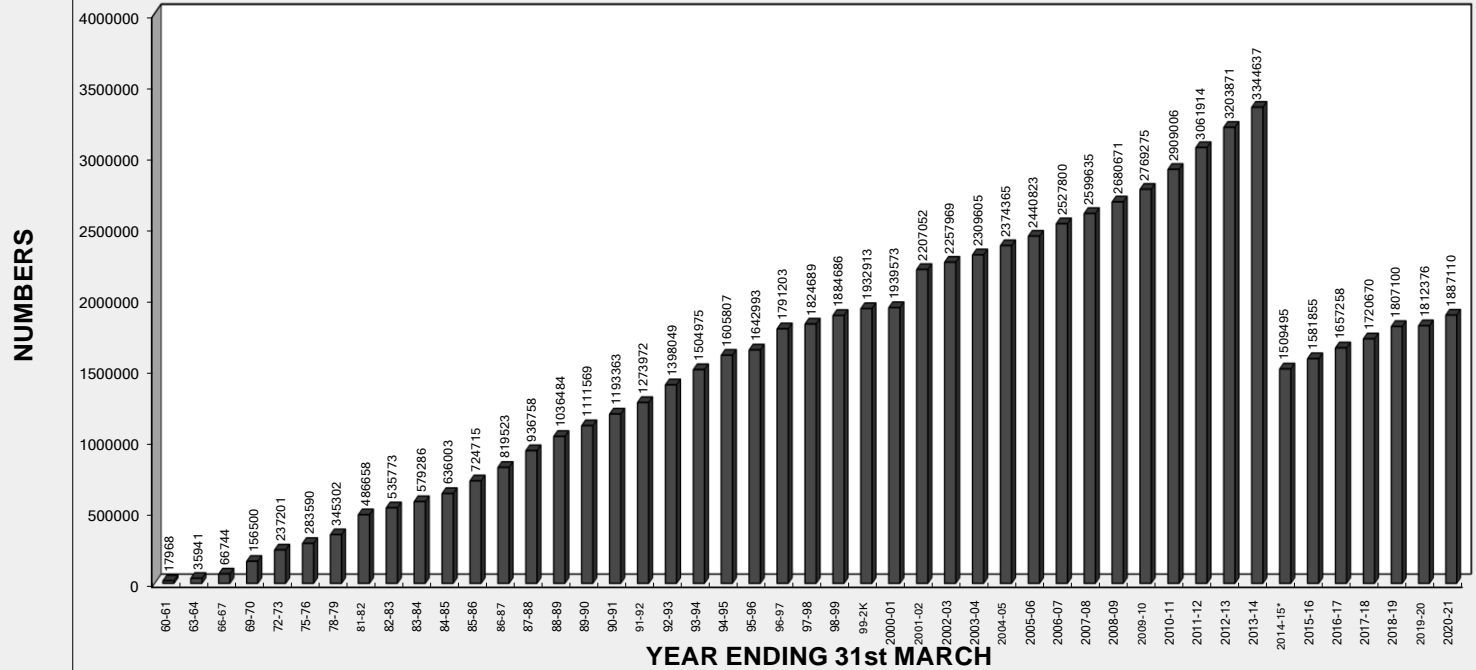
Year	Hamlets	Towns & Villages	Dalitwadadas
1974	5086	10485	8146
1975	5357	10654	8501
1976	5377	11582	9121
1977	5514	13694	10085
1978	5753	14851	10318
1979	6123	15677	11979
1980	6568	16659	13433
1981	7243	17978	13935
1982	7798	19414	15169
1983	8310	20885	16348
1984	8875	21885	20264
1985	9681	23078	24180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



YEAR	NUMBERS
60-61	17968
63-64	35941
66-67	66744
69-70	156500
72-73	237201
75-76	283590
78-79	345302
81-82	486658
82-83	535773
83-84	579286
84-85	636003
85-86	724715
86-87	819523
87-88	936758
88-89	1036484
89-90	1111569
90-91	1193363
91-92	1273972
92-93	1398049
93-94	1504975
94-95	1605807
95-96	1642993
96-97	1791203
97-98	1824689
98-99	1884686
99-2K	1932913
2000-01	1939573
2001-02	2207052
2002-03	2257969
2003-04	2309605
2004-05	2374365
2005-06	2440823
2006-07	2527800
2007-08	2599635
2008-09	2680671
2009-10	2769275
2010-11	2909006
2011-12	3061914
2012-13	3203871
2013-14	3344637
2014-15*	1509495
2015-16	1581855
2016-17	1657258
2017-18	1720670
2018-19	1807100
2019-20	1812376
2020-21	1887110

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

AGRICULTURAL PUMPSETS IN SERVICE (1961 - 2021)



9. FINANCE

9.1 PATTERN OF FINANCING

Rs.in Crores

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

* TRANSCO including DISCOMs

@ including short term borrowings.

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

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

9.1 PATTERN OF FINANCING (APTRANSCO)

Rs. Crores

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

@ including short term borrowings.

budget

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

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

9.1 PATTERN OF FINANCING (APTRANSCO)

Rs. Crores

SL.No.	Description	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21
A.	CAPITAL EXPENDITURE	968.70	2148.45	2300.44	1412.15	1966.89	1387.65	1077.89
A1.	DEBT REPAYMENT							
1.	Government (From 2004-05 excl. Swapping)	2.14	2.14	2.43	1.72	4.73	0	15.73
2	REC Ltd	51.87	75.28	100.31	191.7	363.04	474.13	683.5
3	PFC Ltd	84.94	39.65	48.58	47.69	39.99	44.07	166.6
4	others./Banks	80.76	76.05	235.04	60.75	323.17	79.6	52.27
	TOTAL CAPITAL OUTGOINGS	1188.41	2341.57	2686.80	1714.01	2697.82	1985.45	1995.99
B	CAPITAL RECEIPTS							
1.	Government Loans	0.00	0.00	0	268.14	119.21	0	0
2.	C E A							
3.	Open Market Loan							
4.	REC	511.87	1096.04	1002.21	758.14	1305.95	917.03	902.7
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
7.	I.D.B.I.							
8.	P.F.C.	35.33	185.02	214.26	64.4	203.96	37.87	74.95
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
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
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
	TOTAL	1188.41	2341.57	2686.80	1714.01	2697.82	1985.45	1995.99

9.2 Abstract Balance Sheet (T+D) as on 31st March 2021

(Rs. in Crores)

Particulars	Total (T+D)	Particulars	Total (T+D)
<u>LIABILITIES:</u>		<u>ASSETS</u>	
Loans from Government	468.71	Fixed Assets	41294.87
Equity from Government	934.49	Accumulated Depreciation	(17629.12)
Deferred Tax Liability	19.36	Works-in-progress	5940.12
Cash Credit, OD & other short term borrowings	5607.69	Other Assets	1030.18
Other Grants	8024.17		
Consumer Contribution	4156.39	Investments	354.60
Long term Capital Liabilities		Equity in Joint Ventures	286.65
APSEB Bonds & Vidyut Bonds	0.00	Others	
LIC	88.14	Current Assets	635.84
REC & SPA	13006.54	Stocks	15371.01
PFC	6006.12	Cash and Bank Balances	1016.67
Inter Corporate Funds	0.00	Receivable against supply of power	17606.73
VLC	78.46	Loans and Advances	12661.37
Banks & Others	10698.36	Sundry Receivables	0.00
Long Term Provisions	4897.76	Deferred Tax Asset	0.00
Other Long term liabilities	3335.87		
Reserves and Reserve Fund			
Reserves	4146.80		
Reserve Funds (PF & Pen.SF)	399.54		
Security Deposit from Consumers	4065.64		
Current Liabilities	39827.78		
Surplus	(27192.90)		
Total Liabilities:	78568.92	Total Assets:	78568.92

9.2 Abstract Balance Sheet (T+D(EPDCL+SPDCL+CPDCL)) as on 31st March 2021

(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	371.37	87.86	9.48		468.71	Fixed Assets	14551.35	6527.52	12901.61	7314.39	41294.87
Equity from Government	454.44	121.23	358.72	0.10	934.49	Accumulated Depreciation	(5753.18)	(1800.11)	(6652.44)	(3423.39)	(17629.12)
Deferred Tax Liability	17.16	2.20	0.00	0.00	19.36	Works-in-progress	2709.10	368.83	1851.68	1010.51	5940.12
Cash Credit/OD & other short term borrowings REC	1112.10	162.53	3889.97	443.09	5607.69	Other Assets	560.27	210.14	240.29	19.48	1030.18
Other Grants	562.44	3471.82	2765.50	1224.41	8024.17	Investments					
Consumer Contribution	758.7	1852.18	1082.44	463.07	4156.39	Equity in Joint ventures and Subsidiaries	1.56	146.75	103.91	102.38	354.60
Long term Capital Liabilities						Others	114.94	91.07	80.64		286.65
APSEB Bonds & Vidyut Bonds					0.00	Current Assets					
PTC		67.33		20.81	88.14	Stocks	133.21	147.65	210.89	144.09	635.84
REC	4064.86	2137.22	4410.46	2394.00	13006.54	Other current Assets	1012.66	527.62	9998.98	3831.75	15371.01
PFC	969.08	1633.57	2091.84	1311.63	6006.12	Cash and Bank Balances	74.09	289.89	360.42	292.27	1016.67
Inter Corporate Funds					0.00	Loans and Advances	132.69	9051.85	5499.68	2922.51	17606.73
NABARD	78.46				78.46	Sundry Receivables	1770.49	2309.61	6768.05	1813.22	12661.37
Banks & Others	181.37	3707.22	3346.20	3463.57	10698.36						
Long term provisions	858.27	868.51	1913.23	1257.75	4897.76						
Other long term liabilities	133.58	331.75	1643.33	1227.21	3335.87						
Reserves and Reserve Fund											
Reserves	1247.66	115.55	292.07	2491.52	4146.80						
Reserve Funds (PF & Pen.SF, CR)	248.87	107.24	25.05	18.38	399.54						
Security Deposit from Consumers		2156.60	1909.04		4065.64						
Current Liabilities	2619.65	8702.42	19386.96	9118.75	39827.78						
Surplus	1629.17	(7654.41)	(11760.58)	(9407.08)	(27192.90)						
Total Liabilities:	15307.18	17870.82	31363.71	14027.21	78568.92	Total Assets:	15307.18	17870.82	31363.71	14027.21	78568.92

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 expenses	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 creditor	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 (Transco & Discoms)

(Rs.in crores)

Sl.No.	Details	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21
	REVENUE RECEIPTS						
	1.By sale of Power	18709.98	20304.16	23949.72	26596.22	27814.48	30613.3
	By sale of power-Inter state	564.17	191.04	570.46	774.07	10.92	0.58
	2.Miscellaneous(including NTI&ED)	400.05	489.7	589.13	431.93	718.01	1480.39
	3.Subsidy	3186	3289.42	4679.08	6193.74	9700.88	10265.44
A)	4.Transmission and SLDC Charges	0	0	0	0	0	186.63
	5.Transmission and SLDC Charges (Anual fee,Open Access)	842.6	981.96	1432.71	1576.75	2020.93	2546.34
	6.Other income	774.65	1034.65	1041.36	1576.66	1952	1853.5
	7.Capital contribution	397.81	458.16	535.63	656.19	721.22	695.89
	TOTAL (A)	24875.26	26749.09	32798.09	37805.56	42938.44	47642.07
B)	REVENUE EXPENDITURE						
	1.Power Purchase	21745.39	22447.31	25435.28	39036.79	31084.39	33290.56
	2.O&M Expenses	225.96	725.37	657.81	927.98	901.42	833.05
	3.Establishment, General & office expenses	3073.82	2503.05	3110.49	5351.76	6005.28	8014.49
	4.State Electricity Duty.	182.6	196.38	128.93	239.41	260.9	249.81
	5.Others (RBDD)						
	6. Prior period Charges(Credits)	(1.60)	73.44	0	0	0	0
	7 Expenses capitalised						
	8.Incentive to HT Consumers	0	0	0	0	0	0
	9.other debits	21.75	96.9	127.86	333.42	137.35	89.07
	10.Transmission and SLDC Charges	723.4	0	0	0	0	0
	TOTAL (B)	25971.32	26042.45	29460.37	45889.36	38389.34	42476.98
	GROSS OPERATING RESULTS (A-B)	(1096.06)	706.64	3337.72	(8083.80)	4549.10	5165.09
C)	OTHER EXPENSES						
	1.Depreciation	1263.36	1425.49	1598.09	1836.07	2163.42	2192.52
	2.Balance Surplus (Less Depreciation)	(2359.42)	(718.85)	1739.63	(9919.87)	2385.68	2972.57
	3.Interest Charges :						
	a)On Loans from Institutional creditors	1651.48	958.36	1381.22	1599.13	2165.31	2098.68
	b)On Loans from State Government	0.48	685.06	518.81	645.72	474.93	882.4
	c)Less: IDC	246.15	102.73	284.22	296.24	196.65	220.55
	TOTAL Interest charges	1405.81	1540.69	1615.81	1948.61	2443.59	2760.53
	Extraordinary items	0	86.83	0.00	0.00	0.00	0
	Contingency Reserve	2.55	2.42	2.52	0	0	0
	TOTAL SURPLUS/LOSSES	(3767.78)	(2175.13)	121.30	(11868.48)	(57.91)	212.04
	MAT credit entitlement of earlier years	28.59	24.11	13.89	4.54	7.24	57.21
	Provision for Tax	28.59	33.47	35.92	4.54	7.24	44.2
	Provision for deferred tax	48.51	53.01	65.98	(4.23)	(21.68)	149.97
	NET SURPLUS/ (DEFICIT)	(3816.29)	(2237.50)	33.29	11864.25	(36.23)	260.60

9.3. (A) Revenue Receipts and Expenditure (T+D(EPDCL+SPDCL+CPDCL)) for the year 2020-21

(Rs in crores)

Particulars	TRANSCO	EPDCL	SPDCL	CPDCL	Total (D)	Total (T+D)
<u>A. Revenue Receipts</u>						
Sale of Power	0.00	10481.35	13171.10	6960.85	30613.30	30613.30
Sale of Power - Interstate/UI/inter DISCOMs	0.00	0.21	0.23	0.14	0.58	0.58
Miscellaneous	0.00	1302.80	103.34	74.25	1480.39	1480.39
Transmission & SLDC Charges – DISCOMs	0.00	0.00	0.00	186.63	186.63	186.63
Transmission & SLDC Charges - others (incl. Annual fee, Open Access)	2546.34	0.00	0.00		0.00	2546.34
Capital Contributions	68.43	236.93	187.14	203.39	627.46	695.89
Other income	119.39	551.87	886.44	295.80	1734.11	1853.50
Subsidy	0.00	3018.26	5615.29	1631.89	10265.44	10265.44
Total Revenue:	2734.16	15591.42	19963.54	9352.95	44907.91	47642.07
<u>B. Revenue expenditure:</u>						
Purchase of power	0.00	10958.72	15309.89	7021.95	33290.56	33290.56
Transmission & SLDC Charges	0.00	0.00			0.00	0.00
O & M Expenses	284.56	154.48	252.28	141.73	548.49	833.05
Establishment (incl. Adm & Gen. Exp)	1043.04	3303.32	2648.12	1020.01	6971.45	8014.49
State Electricity Duty	0.00	105.45	81.46	62.90	249.81	249.81
Incentive to HT consumers	0.00	0.00	0.00		0.00	0.00
Other Debits	0.17	88.90	0.00		88.90	89.07
Prior Period Charges/ (Credits)	0.00	0.00	0.00		0.00	0.00
Total B	1327.77	14610.87	18291.75	8246.59	41149.21	42476.98
Gross operating results (A - B)	1406.39	980.55	1671.79	1106.36	3758.70	5165.09
<u>C. Other Expenses:</u>						
Depreciation	727.27	319.58	708.64	437.03	1465.25	2192.52
Balance Surplus (Less Depreciation)	679.12	660.97	963.15	669.33	2293.45	2972.57
Interest & finance Charges						
On loans from Institutions & others	622.73	627.88	665.80	182.27	1475.95	2098.68
from State Govt.	0.00	0.00	383.27	499.13	882.40	882.40
Less: IDC	116.97	0.00	87.51	16.07	103.58	220.55
Total Interest & finance Charges	505.76	627.88	961.56	665.33	2254.77	2760.53
Extraordinary items	0.00				0.00	0.00
Contingency Reserve	0.00	0.00	0.00		0.00	0.00
Total Surplus	173.36	33.09	1.59	4.00	38.68	212.04
MAT credit entitlement of earlier yeas	57.21	0.00	0.00		0.00	57.21
Provision for Tax/(MAT credit)	49.71	(6.84)	0.00	1.33	(5.51)	44.20
Provision for Deferred Tax/(Deferred Tax Asset)	149.97	0.00	0.00		0.00	149.97
Net Surplus / (Deficit)	216.41	39.93	1.59	2.67	44.19	260.60

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 Expneses	5.07	5.07	5.55	5.52	4.25	3.83	4.03	3.71	3.31	2.15
4	Establishment, General & office Expe.	17.22	16.05	15.15	14.18	13.27	11.63	12.27	11.62	12.37	11.47
5	Central Excise/ State Excise Duty	2.99	2.58	2.27	2.32	2.09	1.67	1.6	1.34	1.09	0.91
6	Net prior period charges									1.99	-0.21
7	Expenses capitalised									-1.06	-1.41
8	Others	6.45	1.69	(-) 5.7	(-)4.41	0.69	(-)3.83	0.88	-0.04	1.7	0.06
C)	OTHER EXPENSES										
1.	Depreciation	7.74	7.44	7.91	7.77	9.21	9.75	9.84	7.91	7.13	3.78
2.	Interest Charges	17.34	16.24	16.88	13.63	17.21	19.44	16.09	13.71	18.1	6.62
	TOTAL (B + C)	100	100	100	100	100	100	100	100	100	100

contd..

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

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

9.4 PERCENTAGE OF INCOME AND EXPENDITURE FOR THE PERIOD (2014-15 TO 2020-21)

Sl.No.	I t e m s	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21
		%	%	%	%	%	%	%
A)	REVENUE RECEIPTS							
1	By Sale of Power	70.78	75.22	75.91	73.02	70.35	64.78	64.26
1(a)	By interstate sale of power	2.43	2.27	0.71	1.74	2.05	0.03	0
2	Miscellaneous	1.42	1.61	1.83	1.8	1.14	1.67	3.11
3	Subsidy	13.08	12.81	12.3	14.27	16.38	22.59	21.55
4	Others	6.25	3.11	3.87	3.18	4.17	4.55	3.89
5	Capital Contributions	1.49	1.6	1.71	1.63	1.74	1.68	1.46
6	Transmission and SLDC Charges	4.56	3.39	3.67	4.37	4.17	4.71	0.39
7	Transmission and SLDC Charges (Incl. Annual fee, Open Access)							5.34
	TOTAL (A)	100.0	100.0	100.0	100.0	100.0	100.0	100.0
B)	REVENUE EXPENDITURE							
1	Power Purchase	72.61	75.92	77.38	77.84	78.59	72.33	70.26
2	O&M Expenses	1.42	0.79	2.50	2.02	1.87	2.10	1.76
3	Establishment, General & office Exp Central Electricity/ State Electricity	13.32	10.73	8.63	9.52	10.77	13.97	16.91
4	Duty	0.62	0.64	0.68	0.39	0.48	0.61	0.53
5	Net prior period charges	0.00	(0.01)	0.25	0.00	0.00	0.00	0.00
6	Expenses capitalised							
7	Others	0.69	0.08	0.33	0.39	0.67	0.32	0.19
8	Incentives to HT consumers	0	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
C)	OTHER EXPENSES							
1	Depreciation	4.29	4.41	4.91	4.89	3.70	5.03	4.63
2	Interest Charges	4.05	4.91	5.31	4.94	3.92	5.69	5.83
3	Taxes	0.00	0	0.00	0.00	0.00	(0.05)	(0.10)
4	Contingency Reserve	0.01	0.01	0.01	0.01	(0.01)	0.00	0.00
	TOTAL (B + C)	100.0	100.0	100.0	100.00	100.00	100.00	100.00

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

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

A.P.GENCO (PAISE / KWH)					Avg. Cost of Purchase of Power (PAISE /KWH)			
Sl.No.	Year	Hydro	Thermal	Avg	Year	Purchases from APGENCO	Purchases from Others	Total
18	1999-2K	-	-	133.36	1999-2K	133.36	179.50	151.18
20	2000-01	-	-	153.38	2000-01	153.38	204.31	172.06
21	2001-02	-	-	156.56	2001-02	156.56	213.09	179.05
22	2002-03	-	-	162.42	2002-03	162.42	185.98	173.09
23	2003-04	-	-	171.00	2003-04	171.00	190.12	180.81
24	2004-05	-	-	159.36	2004-05	159.36	188.35	173.21
25	2005-06	-	-	141.00	2005-06	141.00	206.60	173.00
26	2006-07	-	-	138.00	2006-07	138.00	219.00	177.00
27	2007-08	-	-	152.00	2007-08	152.00	265.00	207.00
28	2008-09	-	-	194.00	2008-09	194.00	347.00	276.00
29	2009-10	-	-	231.00	2009-10	231.00	297.00	271.00
30	2010-11	-	-	258.60	2010-11	258.60	310.52	287.03
31	2011-12	-	-	306.78	2011-12	306.78	362.28	336.93
32	2012-13	-	-	402.10	2012-13	402.10	438.32	421.03
33	2013-14	-	-	316.36	2013-14	316.36	471.54	400.76
34	2014-15	-	-	341.00	2014-15	341.00	516.60	440.09
35	2015-16	-	-	407.00	2015-16	407.00	490.04	454.00
36	2016-17	-	-	380.00	2016-17	380.00	469.86	428.00
37	2017-18	-	-	411.00	2017-18	411.00	468.81	440.00
38	2018-19	-	-	529.00	2018-19	529.00	614.00	589.00
39	2019-20	-	-	438.00	2019-20	438.00	461.00	454.00
40	2020-21	-	-	459.00	2020-21	459.00	497.00	488.00

* 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

9.6 COST OF COAL AS ON 31-03-2021					
Sl.No.	Thermal Station	Source of supply	(Rs. / Metric Ton)	GRADE	
1	R.T.P.P	SCCL			
	SSCL	Yellandu	2641.02	G13	
		Yellandu	2167.85	G15	
		Rudrampur	4814.65	G8	
		Manuguru	2510.15	G13	
		Manuguru	2189.78	G15	
		Ramagundam	4847.20	G8	
		Ramagundam	2431.02	G13	
		Tadikalapudi	3001.56	G12	
		Rechini Road	3898.00	G10	
		Ramakrishnapuram	3289.95	G11	
		MCL	MCL		
			Jaganath(Talcher)	1744.61	G12
	Anantha/Bharatput(Talcher)		1744.61	G12	
	Bharatpur by Rd(Talcher)		1658.77	G13	
	Belpahar		1572.93	G14	
	Lajkura		1572.93	G14	
2	Dr.NTTPS	SCCL			
		Yellandu	2652.66	G13	
		Yellandu	2179.36	G15	
		Rudrampur	2592.10	G13	
		Manuguru	5199.50	G7	
		Manuguru	3980.34	G9	
		Manuguru	2524.47	G13	
		Ramagundam,	4858.84	G8	
		Ramagundam,	2442.66	G13	
		Tadikalapudi	3013.31	G12	
	MCL	MCL			
		Jaganath(Talcher)	1744.61	G12	
		Anantha/Bharatput(Talcher)	1744.61	G12	
		Bharatpur by Rd(Talcher)	1658.77	G13	
		Lajkura(IB)	1572.93	G14	
		Belpahar	1572.93	G14	

Note: SCCL : Singareni Collieries Co. Ltd.

MCL: Mahanandi Coalfields Limited.

9.7 COST OF OILS AS ON 31-03-2021				
		Furnace Oil (Rs/Kl)	HSD Oil (Rs/Kl)	LDO(Rs/Kl)
1	(Dr.NTTPS) V.T.P.S	45365.00	63852.05	53098.40
2	R.T.P.P	46602.00	-	53236.00

Note: FO : Furnace Oil

HSD : High Speed Diesel Oil

LDO : Low Speed Diesel Oil

9.8 RATES OF POWER PURCHASE (Provl)

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

9.8 RATES OF POWER PURCHASE (Provl)

S .No.	Source	Period		Rate Ps/Kwh	Remarks			
		From	To					
NLC	Stage-I	15-16	FC	68.57				
			VC	317.02				
	Stage-II	15-16	FC	66.68				
			VC	237.00				
NLC	Stage-I	16-17	FC	85.91	336.74			
			VC	250.83				
	Stage-II	16-17	FC	86.29	525.77			
			VC	439.48				
NLC	Stage-I	17-18	FC	99.40	402.42			
			VC	303.02				
	Stage-II	17-18	FC	84.93	384.80			
			VC	299.87				
NLC	Stage-I	18-19	FC	120.00	408.00			
			VC	288.00				
	Stage-II	18-19	FC	118.00	406.00			
			VC	288.00				
NLC	Stage-I	19-20	FC	76.00	347.00			
			VC	271.00				
	Stage-II	19-20	FC	86.00	357.00			
			VC	271.00				
	Stage-I	20-21	FC	74.00	542.00			
			VC	469.00				
	Stage-II	20-21	FC	77.00	502.00			
			VC	425.00				
2	Madras Atomic Power Station (NPC)	21.3.86	31.3.91	44.48				
			+FAC					
					** Period		FAC(Ps)	
					1.4.92 onwards		11.57	paise
					1.4.93 onwards		13.47	paise
					1.8.93 onwards		13.96	paise
					1.12.93 onwards		14.06	paise
					1.4.94 onwards		15.76	paise
		1.4.91	16.7.96	63.47	1.8.94 onwards		17.10	paise
				+FAC	1.11.94 onwards		17.55	paise
					1.12.94 onwards		17.60	paise
					1.2.95 onwards		17.62	paise
					1.4.95 30.11.95		17.63	paise
		17.7.96	31.10.97	128.78	1.12.95 28.2.95		18.09	paise
				+FAC	1.3.96 31.7.96		18.25	paise
				+HWAC	1.8.96 30.11.96		2.03	paise
		1.11.97	onwards	128.78				
				+FAC	1.12.96 onwards		4.62	paise
				+HWAC	11.4.97 onwards		17.07	paise
		1.11.98	30.9.99	128.78	1.11.97 onwards		17.11	paise
				+FAC	1.4.98 31.10.98		17.28	paise
				+HWAC	1.11.98 31.3.99		19.76	paise
		1.10.99	31.10.99	132.47	4/02		2.41	HWC
				+FAC	5/02 3/03		3.62	(FAC+HWC)
				+HWAC	4/03		5.79	(FAC+HWC)
		1.11.99	30.4.2k	135.69	5/03 onwards		9.31	(FAC+HWC)
				+HWAC	(Fuel adjustment charges(FAC) includes decommissioning charges,			
		1.5.2k	31.3.01	135.69	fuel and heavy Water Lease & Make up adjustment charges.			
				+FAC	The basic costs adopted for UO2 is Rs.2291/Kg & for Heavy Water Rs.4292/Kg; Heavy Water lease at 8% of Rs.4292/Kg			
				+HWAC	(FAC on 31.3.91 : 14.23 Ps)			
				+FAC				
				+HWAC	Fuel Adjustment charges(FAC)			
		1.4.01	31.3.02	135.69	includes above charges.			
				+FAC	The basic cost adopted for Uos is Rs4700/Kg,			
				+HWAC	for Heavy Water Rs.5783/Kg and			
		4/02	+HWAC	2.41	Heavy water lease at 12% of Rs.5783/Kg.			
					(FAC as on 31.3.91 : 8.55 ps)			
		5/02	3/03	212.92				
			+FAC	210.51				
			+HWAC	1.21				
				2.41				

9.8 RATES OF POWER PURCHASE (Provl)

S .No.	Source	Period		Rate Ps/Kwh	Remarks
		From	To		
				214.13	
		4/03		210.51	
			+FAC	1.21	
			+HWAC	4.58	
				5.79	
		5/03	2/04	210.51	
			+FAC	4.73	
			+HWAC	4.58	
				219.82	

9.8 RATES OF POWER PURCHASE

SI.No	Source	Period		Rate Ps/Kwh	Remarks
		From	To		
1	2	3	4	5	
2	Madras Atomic Power Station (NPC)	3/04		203.76	
			+FAC	4.73	
			+HWAC	4.58	
				213.07	
		4/04		202.51	
			+FAC	4.73	
			+HWAC	-20.95	
			Ins	1.30	
				187.59	
		5/04 to 8/04		202.51	
			+FAC	8.51	
			+HWAC	-20.95	
			Ins	1.30	
				191.37	
		9/04		202.51	
			+FAC	8.51	
			+HWAC	-20.95	
			Ins	1.28	
				191.35	
		10/04 & 11/04		202.51	
			+FAC	8.51	
			+HWAC	-20.95	
			Ins	1.29	
				191.36	
		12/04 to 3/05		202.51	
			+FAC	8.51	
			+HWAC	-20.95	
			Ins	1.40	
				191.47	
			4/05' to 3/06'		
	Basic rate	194.89(Ps)			
	+FAC	19.88			
	+HWAC	-20.82			
	Insurance	1.25			
	04/06'to 9/06				
	Basic rate	194.89			
	+FAC	13.53			
	+HWAC	-20.88			
	Insurance	1.25			
	10/06' to 03/07				
	Basic rate	181.18			
	+HWAC	0.07			
	Insurance up to Nov'06	0.74			
	From 12/06 to 3/07'	0.62			
	2007-08	200.33			
	2008-09	191.60			
	2010-11	197.67			
	2011-12	209.77			
	2012-13	204.14			
	2013-14	207.39			
	2014-15	207.69			
	2015-16	208.90			
	2016-17	219.09			
	2017-18	279.99			
	2018-19	223.00			
	2019-20	-12			
	2020-21	319.00			

Average rate taken by dividing total amount by total units

9.8 RATES OF POWER PURCHASE

Sl.No.	Source	Period		Rate Ps/Kwh		Remarks
		From	To			
1	2	3	4	5		
3	NPC(Kaiga)	2007-08		295.20		Average rate taken by dividing total amount by total units
		2008-09		308.40		
		2009-10		617.66		
		2010-11		303.76		
		2011-12		311.87		
		2012-13		297.12		
		2013-14		303.84		
		2014-15		306.97		
		2015-16		308.54		
		2016-17		322.16		
		2017-18		365.57		
		2018-19		322.00		
		2019-20		274.00		
		2020-21		356.00		
		4	NTPC(SR) - III	2005-06		
2006-07				Var.	109.92	
2006-07	FC			235.14	Cr.	
2008-09				219.00		
2009-10				Var.	109.92	
2010-11				221.73		
2010-11				246.54		
2011-12				293.16		
2012-13				321.88		
2013-14				362.45		
2014-15				309.03		
2015-16	FC			86.46	314.50	
2016-17	VC			228.04		
2016-17	FC			96.43	318.86	
2017-18	VC			222.44		
2017-18	FC	66.32	311.44			
2018-19	VC	245.12				
2018-19	FC	342.53				
2019-20	VC	141.23				
2019-20	FC	77.40	334.65			
2020-21	VC	257.25				
2020-21	FC	88.00	324.22			
2020-21	VC	236.00				
5	NTPC(SR)	1.3.84	31.10.88	43+FAC		Fuel Adj. Charges on coal and oil varies from month to month which is to be worked out based on basic Coal cost of Rs.258.46 per MT and basic Oil cost of Rs.2957 per Kl. Flat rate tariff proposed by NTPC for this period which is yet to be finalised and referred to umpire. Tariff yet to be finalised and referred to umpire. Two part tariff as per Govt. of India notification No.3/19 (iii)/92-US(CT), Dt.2.11.92 (Avg. rate varies from month to month) (As per GOI Notification dt.15.12.95) (Avg. rate varied from month to month) (As per GOI Notification dt.30.11.98) (Avg. rate varied from month to month) Fixed Charges: Rs.544.290 Cr/Annum Vari.ch: 37.66 ps/unit 1.11.02 to onwards +FAC 82.62 ps. 81.62 Cr 465.31 Cr 466.55 Cr 451.96 Cr 82.14 ps From 5/04 onwards (Avg. rate varied from month to month) (+) or (-) FSA (add) varies from month to month
		1.11.88	31.3.91	65.03		
		1.4.91	31.10.92	---		
		1.11.92	onwards	Fixed Charges: Rs.382.32 Cr/Annum Vari.ch: 37.66 ps/unit		
		1.4.95		Fixed Charges: Rs.427.04 Cr/Annum Vari.ch: 37.66 ps/unit		
		1.11.98	30.9.99	Fixed Charges: Rs.463.40 Cr/Annum Vari.ch: 37.66 ps/unit		
		1.10.99	7/03	Fixed Charges: Rs.512.92 Cr/Annum Vari.ch: 37.66 ps/unit		
		8/03		486.08 crs +FAC		
		8/03		82.62 ps. 81.62 Cr		
		9/04	12/04	465.31 Cr		
		1/05	7/05	6/05 12/05		
		1/05	7/05	451.96 Cr		
		1/06 on wards		82.14 ps +FAC		
		06 - 07'	FC	495.85 Cr 82.15 Cr		
		07-08'	FC	460.76 Cr 82.84 Cr 470.3 Cr 82.84 Cr FPA 23.42		
2008-09		175.2				
2009-10		189.73				
2010-11		190.23				
2011-12		209.31				
2012-13		246.72				
2013-14		272.06				
2014-15		296.82				
2015-16	FC	51.36	275.17			
2016-17	VC	223.81				
2016-17	FC	77.86	300.36			
2017-18	VC	222.50				
2017-18	FC	70.70	317.06			
2018-19	VC	246.35				
2019-20	FC		935			
2020-21	VC	72.76				
2020-21	FC	260.59	335			
2020-21	VC	78.79				
2020-21	FC	266.25	345			

9.8 RATES OF POWER PURCHASE

SI.No.	Source	Period		Rate Ps/Kwh		Remarks		
		From	To					
Average rate billed from 1.11.92 (including FAC):								
6	SIMHADRI	4/96-3/97			88.08			
		4/97-3/98			108.79			
		4/98-3/99		(Provl)	119.04			
		4/99-3/2k		(Provl)	126.63			
		4/2k-3/01		(Provl)	129.05			
		4/01-3/02		(Provl)	132.55			
		4/02		3/03	130.90			
		4/03		3/04	122.92			
		4/04		3/05(provl)	143.71			
		3/05		9/05	Vari.Ch:	79.62	(Avg. rate varied from month to month)	
		10/05		12/05	452	Cr PA	(Avg. rate varied from month to month)	
		01/06 on wards			452.36	Cr PA	(Avg. rate varied from month to month)	
		06-07'		FC	458.10	Cr		
					Var.chr	77.12		
		2007-08		FC	458.72	Cr		
					Vari.Ch:	77.12		
					FPA	27.08		
				2008-09		193.70		
				2009-10		236.90		
				2010-11		232.77		
				2011-12	Stage I	314.72		
				2011-12	Stage II	380.00		
				2012-13	Stage I	343.11		
				2012-13	Stage II	382.09		
				2013-14	Stage I	356.82		
				2013-14	Stage II	414.72		
				2014-15	Stage I	368.02		
				2014-15	Stage II	421.39		
				2015-16	Stage I	346.00		
				2015-16	Stage II	393.00		
				2016-17	Stage I	384.00		
					Stage II	437.00		
				2017-18	Stage I	449.00		
					Stage II	488.00		
				2018-19	Stage I	392.00		
					Stage II	489.00		
				2019-20	Stage I	487.00		
					Stage II	521.00		
				2020-21	Stage I	422.00		
					Stage II	470.00		
		7	TALCHER-II & III	8/03 to	Fixed	278.9	cr P.A	
				2/04	VC	44.02	ps	
				3/04	Fixed	564.67	Cr.PA	
					VC	44.02	ps	
				4/04 to	Fixed	564.67	Cr.PA	
10/04	VC			42.26	ps			
11/04 to	Fixed			690.54	cr.P.A			
7/05	VC			42.86	ps			
8/05 on wards. FC					990.73	Cr.P.A		
	VC			42.86	ps			
From '2/06 FC					208.44	Cr.P.A		
	VC			52.35			(+) or (-) FSA (add) varies	
06-07'	FC			990.7265	Cr.P.A			
	VC			50.82				
2007-08	FC			898.55	Cr.P.A			
	VC			58.73	Ps			
	FPA			16.75	Ps			
				2008-09		154.1		
				2009-10		212.77		
				2010-11		238.30		
				2011-12		283.98		
				2012-13		240.95		
				2013-14		238.75		
				2014-15		232.89		
	TALCHER-II			2015-16		205.00		
				2016-17		256.00		
				2017-18		228.00		
				2018-19		206.00		
				2019-20		282.00		
				2020-21		273.00		
8	APGPCL			Stage-I				
		From 12/90 to 22.12.90			115.00	Demand Charges at Rs.55/KVA		
		23.12.91	22.12.92		130.00	Demand Charges at Rs.65/KVA		
		23.12.92	onwards		134.00	Demand Charges at Rs.75/KVA		
		23.6.93	onwards		151.00	Demand Charges at Rs.75/KVA		
		1.2.98	onwards		121.00	Demand Charges at Rs.75/KVA		
		1.4.98	onwards		151.00	Demand Charges at Rs.75/KVA		
		1.1.99	12/02		121.00	Demand Charges at Rs.75/KVA		
		1/03	3/03		178.00			

9.8 RATES OF POWER PURCHASE

SI.No.	Source	Period		Rate Ps/Kwh	Remarks
		From	To		
		4/03	6/03	152.00	
		7/03	11/03	161.00	
		12/03	onwards	175.00	
		06-07'		133.00	
		07-08'		138.837	
		08-09		200.60	
		2009-10		177.06	
		2010-11		266.59	
		2011-12		580.92	
		2012-13		255.49	
		2013-14		295.16	
		2014-15		358.29	
		2015-16		374.07	
		2016-17		388.00	
		2017-18		355.00	
		2018-19		290.00	
		2019-20		443.00	
		2020-21		448.00	

9.8 RATES OF POWER PURCHASE

Sl. No.	Source	Period		Rate Ps/Kwh	Remarks
		From	To		
	APGPCL	1.5.97	10/97	250.00	
	Stage-II	1.11.97	1/98	280.00	
		1.2.98	31.4.98	270.00	
		1.5.98	30.5.98	243.00	
		1.6.98	onwards	247.00	
		1.12.99	12/2k	275.00	
		1/01	12/01	170.00	
		1/02	3/03	156.00	
		4/03	6/03	163.00	
		7/03	11/03	155.00	
		12/03	1/04	145.00	
		2/04	3/04	73.00	
		4/04-9/04	onwards	142.00	
		10/04		190.00	
		11/04 to	3/05	192.00	
		4/05'to2/06'		165.00	
		3/06' onwards		166.70	
		04/06 to 03/07'		161.00	
		07-08'		115.656	
		08-09		90.40	
		09-10		243.03	
		10-11		199.44	
		11-12		220.50	
		12-13		238.85	
		13-14		305.72	
		2014-15		318.45	
		2015-16		320.86	
		2016-17		282.00	
		2017-18		307.00	
		2018-19		258.00	
		2019-20		426.00	
		2020-21		299.00	
		Un-utilised energy of APGPCL (St-I)			
		23.12.91	22.12.92	94.00	
		23.12.92	22.6.93	98.00	
		23.6.93	1/98	108.00	
		1.2.98	3/98	87.00	
		1.4.98	31.12.98	108.00	
		1.1.99	12/02	87.00	
		1/03	3/03	145.00	
		4/03	6/03	121.00	
		7/03	11/03	139.00	
		12/03	1/04	175.00	
		2/04	3/04	222.00	
		4/04-9/04	onwards	153.00	
		10/04		177.00	
		11/04	3/05	183.00	
		4/05' to 3/06'		158.00	
		04/06 to 03/07'		107.00	
		07-08'		117.10	
		Un-utilised energy of APGPCL (St-II)			
		1.5.97	10/97	250.00	
		1.11.97	1/98	280.00	
		1.2.98	31.4.98	270.00	
		1.5.98	30.5.98	243.00	
		1.6.98	30.11.99	136.00	
		1.12.99	12/2k	214.00	
		1/01	onwards	86.00	
		4/03	6/03	59.00	
		7/03	11/03	97.00	
		12/03	1/04	112.00	
		2/04	3/04	73.00	
		4/04	10/04	97.00	Actutal share of
		11/04	3/05	129.00	TRANSCO
		4/05' to 2/06'		107.00	Un-utilised portion of APGPCL
		3/06'		112	
		04/06 to 03/07'		114	
		07-08'		104.3	
	APGPCL(ST-I)	2/01	3/01	121	87 ps/kwh
		2/01	3/01	Demand ch. At Rs.75/KVA	
		4/01	3/01	121	87 ps/kwh
				Demand ch. At Rs.75/KVA	
		06-07'		Demand ch. At Rs.75/KVA	
		07-08'	40034	200.6	Demand ch. At Rs.75/KVA
	APGPCL(ST-II)	2/01	3/01	170	86
		4/01	12/01	170	86
		1/02	3/02	156	86

9.8 RATES OF POWER PURCHASE

Sl.No	Source	Period		Rate Ps/Kwh	Remarks				
		From	To						
1	2	3	4	5					
9	NTECL Valluru Thermal Power	2016-17		447.00					
		2017-18		524.00					
		2018-19		515.00					
		2019-20		836.00					
		2020-21		677.00					
10	NPC Kadankulam	2016-17		425.00					
11	NLC Tamilnadu Power Ltd Stage-1	2016-17		434.00					
		2017-18		570.00					
		2018-19		408.00					
		2019-20		505.00					
		2020-21		566.00					
	NLC Tamilnadu Power Ltd Stage-II	2018-19		406.00					
12	MPEB	1.4.91	30.6.92	101.30					
				115.00					
				1.3.94	onwards				
				a)6 Hrs to 22 Hrd		175.00			
				b) 22 Hrs to 6 Hrs		110.00			
				1.9.95	onwards				
				a)6 Hrs to 22 Hrd		225.00			
				b) 22 Hrs to 6 Hrs		225.00			
				1.10.96	onwards	270.00	(prov)		
13	MSEB	Bilateral exchange of power:							
		13.2.91	onwards	120.00					
		WESTERN REGION POWER							
				From 2/92	12/93	72.00			
				1.1.93	onwards	72.00			
				1.4.94	10.7.94	200.00			
				11.7.94	31.3.95	85.18			
				1.4.95	30.6.95	85.20			
				1.7.95	31.12.95	98.59			
				1.1.98	30.6.98	143.61			
				1.7.98	31.12.98	145.53			
				1.1.99	30.6.99	150.44			
				1.7.99	31.12.99	157.71			
				1.1.2k	6/2k	175.01			
				1/01	onwards	185.38			
				2/01	3/01	185.38			
				2001-02					
				4/2001	6/2001	185.38			
				7/2001	12/2001	182.63			
				1/2002	3/2002	189.69			
14	EREB	3.12.94	onwards	154.00					
15	NTPC(ER) PATNA	2/97	Avg.Rate billed	268.51	4/99	151.91	4/00	187.82	
		3/97	Avg.Rate billed	262.68	5/99	164.72	5/00	173.61	
		4/97	Avg.Rate billed	200.28	6/99	212.46	6/00	172.23	
		5/97	Avg.Rate billed	180.43	7/99	195.31	7/00	177.84	
		6/97	Avg.Rate billed	340.31	8/99	219.24	8/00	198.50	
		7/97	Avg.Rate billed	365.99	9/99	180.45	9/00	225.49	
		8/97	Avg.Rate billed	313.98	10/99	217.99	10/00	175.48	
		1/98	6/98	215.00	11/99	219.16	11/00	171.48	
		7/98	12/98	195.00	12/99	187.10	12/00	160.16	
		1/99		191.27	1/00	170.70	1/01	169.63	
		2/99		205.73	2/00	161.98	2/01	190.47	
		3/99		159.11	3/00	161.67	3/01	182.20	
					2/02	182.60	2/03	182.54	
					3/02	174.23	3/03	186.78	
				4/03	3/04				
				FSTPP		668.33 Cr			
				KHSTPP		477.88 cr.	Fix.Ch		
				TSTPP		644.99 Cr.			
				4/04	8/04				
				FSTPP		668.33 Crs			
		KHSTPP		477.88 Crs	Fix.Ch				
		TSTPP		644.99 Crs					
		9/04	10/04						
		FSTPP		581.26 Crs	}	Fix.Ch			
		KHSTPP		477.88 Crs					
		TSTPP		501.27 Crs					
		11/04	3/05	No supply					
		FSTPP		581.26 Crs					
		KHSTPP		477.88 Crs	Fix.Ch				
		TSTPP		501.27 Crs					
	ABT	4/03	3/04	194.97					

9.8 RATES OF POWER PURCHASE

Sl.No	Source	Period		Rate Ps/Kwh	Remarks					
		From	To							
1	2	3	4	5						
		4/04	3/05	No supply						
16	PGCIL(ER) Transmission Charges) for NTPC/ER power supply:									
				ps/kwh		ps/kwh			ps/kwh	
		2/97	Avg.rate billed	18.22	4/99	9.23		4/01	13.91	
		3/97	Avg.rate billed	11.78	5/99	10.92		5/01	13.02	
		4/97	Avg.rate billed	10.57	6/99	12.46		6/01	14.08	
		5/97	Avg.rate billed	9.55	7/99	11.28		7/01	13.37	
		6/97	Avg.rate billed	10.65	8/99	11.74		8/01	13.11	
		7/97	Avg.rate billed	12.13	9/99	10.97		9/01	13.33	
		8/97	Avg.rate billed	12.32	10/99	13.26		10/01	13.19	
		1/98	Avg.rate billed	9.21	11/99	13.53		11/01	13.88	
		2/98	Avg.rate billed	10.06	12/99	15.63		12/01	12.76	
		3/98	Avg.rate billed	8.82	1/00	14.22		1/02	12.51	
		4/98	Avg.rate billed	9.52	2/00	13.81		2/02	15.28	
		5/98	Avg.rate billed	12.68	3/00	13.37		3/02	14.51	
		6/98	Avg.rate billed	12.74						
		7/98	Avg.rate billed	11.85	4/00	15.92		4/02	14.68	
		8/98	Avg.rate billed	11.47	5/00	13.52		5/02	14.35	
		9/98	Avg.rate billed	13.15	6/00	12.94		6/02	14.04	
		10/98	Avg.rate billed	19.29	7/00	12.52		7/02	13.36	
		11/98	Avg.rate billed	17.95	8/00	12.25		8/02	13.21	
		12/98	Avg.rate billed	16.14	9/00	15.88		9/02	14.35	
		1/99	Avg.rate billed	13.29	10/00	12.48		10/02	13.37	
		2/99	Avg.rate billed	12.57	11/00	12.94		11/02	13.15	
		3/99	Avg.rate billed	9.71	12/00	12.80		12/02	11.83	
					1/01	14.19		1/03	11.28	
					2/01	16.04		2/03	14.39	
					3/01	14.21		3/03	16.96	
				ABT	4/03	3/04			18.3	
					4/04	4/05	As per P.Cost		10	
17	GRIDCO Wh.Charges for NTPC/ER power supply									
		97-98	2001-02	17.5						
18	GRIDCO Energy charges:			ps/kwh						
		10/99	onwards	205						
		10/2k	onwards	228						
				ps/kwh						
		11/00	3/01	228						
		4/01	3/02	228						
				ps/kwh						
	GEB	3/99		225						
19	I. TNEB (WHEELING OF MAPS ENERGY)			ps/kwh						
		91-92		4.86						
		92-93		3.83						
		93-94		4.08						
		94-95		3.39						
		95-96		4.54						
		96-97		4.58						
		97-98		4.77						
		98-99		3.27						
		99-2K		2.81						
		2000-01		2.80						
		2001-02		6.15						
	II. Compensation drawal of energy at frequency below 49.5 Hz									
		4/92	7/92	112 ps minus						
		12/92	2/93	pooled cost						
				of CGS						
20	PSEB	4/00	6/00	230						
		4/01	9/01	280	(CSEB)					
21	PGCIL(SR)	4/03	3/04	44.56						
		3/04	4/05	42.00	s per p.cost Provl)					

9.8 RATES OF POWER PURCHASE

Sl.No	Source	Period		Rate Ps/Kwh	Remarks
		From	To		
1	2	3	4	5	
IPPs					
1	M/s.Lanco Kondaply	2000-01		433.00	
		2001-02		343.00	
		2002-03		231.00	
		2003-04		253.00	
		2004-05		256.00	
		2005-06		252.89	
		2006-07		331.30	
		2007-08		362.48	
		2008-09		548.50	
		2009-10		311.59	
		2010-11		332.02	
		2011-12		362.07	
		2012-13		442.52	
		2013-14		382.85	
		2014-15		870.45	
		2015-16		652.96	
		2016-17		454.00	
2017-18		323.00			
2018-19		329.00			
2019-20		338.00			
2020-21		280.00			
2	Spectrum Power	2014-15		574.46	
		2015-16		533.75	
		2016-17		347.15	
		2017-18		332.14	
		2018-19		331.00	
		2019-20		357.00	
3	M/s.Srivathsa	2020-21		263.00	
		2004-05		249.00	
		2005-06		280.43	
		2006-07		269.50	
		2007-08		256.55	(Provisional)
		2008-09		244.30	
		2009-10		239.57	
		2010-11		352.65	
		2011-12		348.60	
		2012-13		365.54	
		2013.14		331.04	
		2014-15		420.62	
		2015-16		377.98	
4	Thermal Powertech Corporation India	2016-17		330.19	
		2017-18		327.00	
		2018-19		379.00	
		2019-20		341.00	
		2015-16		592.00	
		2016-17		367.00	
5	Vemagiri Power	2017-18		361.00	
		2018-19		385.00	
		2019-20		392.00	
		2020-21		544.00	
		2016-17		465.00	
6	GVK Extension	2016-17		465.00	
		2019-20		336.00	
		2020-21		272.00	
7	GMR Rajamundry Energy	2016-17		465.00	
8	Lanco Kondapalli Phase-II	2016-17		465.00	
9	Hinduja National Power Corporation Ltd	2016-17		372.00	
		2017-18		382.00	
		2018-19		382.00	
		2019-20		382.00	
		2020-21		382.00	
10	P.T.C	2002-03		190.00	
		2003-04		206.00	
		2004-05		234.00	
		2005-06		343.33	
		2006-07		566.40	
		2007-08		533.50	
		2008-09		713.31	
		2009-10		608.31	
		2010-11		462.68	
2011-12		352.19			
2012-13		531.14			
2013-14		589.54			

9.8 RATES OF POWER PURCHASE

Sl.No	Source	Period		Rate Ps/Kwh	Remarks
		From	To		
1	2	3	4	5	
		2014-15		555.42	
		2015-16		479.37	
		2016-17		390.17	
11	N.V.V.N.L.	2004-05		255.00	
		2005-06		324.00	
		2006-07		399.90	
		2007-08		641.44	
		2008-09		690.88	
		2009-10		466.51	
		2010-11		345.04	
		2011-12		401.22	
		2012-13		463.52	
		2013-14		584.88	
		2014-15		501.93	
		2015-16		466.00	
		2016-17		406.00	
12	M/s.TPTCL (TATA Power Trading)	2007-08		622.32	
		2008-09		743.60	
		2009-10		726.19	
		2010-11		531.14	
		2011-12		459.59	
		2012-13		501.98	
		2013-14		571.58	
		2014-15		430.37	
13	M/s.Adani Enterprises Ltd	2015-16		547.00	
		2016-17		545.00	
		2007-08		526.36	
		2008-09		792.52	
		2009-10		450.00	
		2010-11		0.00	
		2011-12		0.00	
		2012-13		460.89	
14	M/s.JSW PTC Ltd	2013-14		478.49	
		2014-15		379.05	
		2015-16		433.00	
		2016-17		445.00	
		2007-08		547.06	
		2008-09		776.00	
		2009-10		551.70	
		2010-11		512.75	
15	Sri Sarvaraya Sugars Ltd	2011-12		325.86	
		2012-13		552.27	
		2013-14		617.75	
		2014-15		599.01	
16	Indian Energy Exchange	2015-16		609.00	
		2016-17		607.00	
		2014-15		545.00	
		2015-16		545.00	
17	GMR Energy trading Ltd	2014-15		545.00	
		2015-16		545.00	
		2016-17		545.00	
18	Rain CII Corbon Vizag Ltd	2014-15		608.00	
		2015-16		474.00	
19	Sree Rayalaseema Hi-Strength Hyp Ltd	2016-17		400.00	
		2017-18		409.00	
		2014-15		516.00	
20	Shri Girija Alloy & Power Ltd	2015-16		452.00	
		2016-17		445.00	
		2015-16		545.00	
		2016-17		586.00	
21	BMM cements	2015-16		545.00	
		2016-17		545.00	
		2017-18		401.00	
22	NSL Sugars Ltd	2014-15		559.00	
		2015-16		545.00	
		2016-17		630.00	
23	Sarda Metal and Alloys Ltd	2014-15		588.00	
		2015-16		616.00	
		2016-17		768.00	
		2014-15		547.00	
		2015-16		545.00	
		2016-17		520.00	
		2017-18		433.00	
		2018-19			

9.8 RATES OF POWER PURCHASE

Sl.No	Source	Period		Rate Ps/Kwh	Remarks
		From	To		
1	2	3	4	5	
24	Anrak Aluminium Ltd	2014-15		545.00	
		2015-16		544.00	
		2016-17		545.00	
25	Mittal Processors Ltd	2014-15		565.00	
		2015-16		568.00	
		2016-17		537.00	
26	Shree cements	2014-15		367.00	
		2015-16		406.00	
		2016-17		436.00	
27	ITC Ltd	2014-15		244.00	
		2015-16		265.00	
		2016-17		246.00	
28	Steel Exchange India Ltd	2014-15		545.00	
		2015-16		545.00	
		2016-17		559.00	
		2017-18		421.00	
29	Venkataraya Power Ltd(Trading)	2014-15		371.00	
		2015-16		545.00	
		2016-17		545.00	
30	Knowledge Infrastructure Systems Ltd	2014-15		491.00	
		2015-16		486.00	
		2016-17		531.00	
31	Non-conventional	2005-06		321.00	(Provi)
		2006-07		293.00	Including 50% of Differential Tariff as per court order.
		2007-08		296.00	
		2008-09		313.00	
		2009-10		352.59	
		2010-11		344.93	
		2011 - 12		344.29	
		2012-13		762.27	
		2013-14		412.47	
		2014-15		438.73	
		2015-16		468.00	
		2016-17		473.00	
32	KSK Mahanadi Power Co Ltd	2015-16		418.00	
		2016-17		407.00	
		2017-18		378.00	
		2018-19		439.00	
		2019-20		429.00	
2020-21		440.00			
33	Simhapuri Energy Ltd	2016-17		363.00	
34	NTPC (VVNL)	2016-17		458.00	
35	Ultratech Cement	2014-15		548.00	
		2015-16		544.00	
36	M/s.Reliance Energy	2004-05		238.00	
		2005-06		300.00	
		2006-07		283.86	
		2007-08		278.40	
		2008-09		336.10	
		2009-10		256.04	
		2010-11		294.78	
		2011-12		334.24	
		2012-13		311.80	
		2013-14		264.54	
37	M/S LVS	2014-15		284.28	
		2005-06		123.10	
		2006-07		109.70	Only Fixed Cost is Paid
		2007-08		109.70	Only Fixed Cost is Paid
		2008-09		759.00	
		2009-10		841.45	
		2010-11		1023.96	
		2011-12		0.00	
38	M/s.VSPL	2012-13		0.00	
		1997-98		197.50	
		1998-99		197.50	
		1999-2k		197.50	
		2000-01		197.50	
		2001-02		197.50	
		2002-03		197.50	(upto 12/02)
		6/03 2003-04		100.00	
2004-05		176.00			
2005-06		176.00			
2006-07		200.53			

9.8 RATES OF POWER PURCHASE

Sl.No	Source	Period		Rate Ps/Kwh	Remarks
		From	To		
1	2	3	4	5	
39	M/s.Navabharat Ferro Alloys	1998-99		212.50	
		1999-2k		212.50	
		2000-01		212.50	
		2001-02		2.08	
		2002-03		2.08	
		2003-04		176.00	
		2004-05		176.00	
		2005-06		176.00	
40	M/s.RCL	1998-99		204.00	
		1999-2k		254.00	
		2000-01		254.00	
		2001-02		253.00	
		2002-03		252.00	
		2003-04		246.00	
		2004-05		224.00	
41	M/s.Active Power	2000-01		260.00	
		2001-02		316.00	
		2002-03		332.00	
		2003-04		348.00	
		2004-05			
		2005-06		176.68	
		2006-07		170.90	
42	M/s.Deccan Sugars	2007-08		156.48	
		1997-98		225.00	
		1998-99		236.00	
		1999-2k		247.00	
		4/00-12/00		259.00	
		1/01-3/01		301.00	
		2001-02		301.00	
		2002-03		332.00	
		2003-04		348.00	
		2005-06		301.56	(Provl)
		2006-07		266.00	
43	M/s.RETL	2007-08		263.00	
		2007-08		538.24	
		2008-09		454.00	
		2009-10		594.76	
		2010-11		589.27	These are all average rates
		2011-12		436.23	
		2012-13		496.51	
		2013-14		543.97	
		2014-15		551.40	
44	M/s.LEUL(NETSL)	2015-16		545.00	
		2007-08		561.44	
		2008-09		818.02	
		2009-10		767.08	
		2010-11		504.77	
		2011-12		534.82	
		2012-13		538.18	
45	M/s.VISA Power ltd	2013-14		560.45	
		2014-15		535.14	
		2007-08		670.00	
		2008-09		0.00	
46	M/s.Sitapuram Power Projects Ltd	2009-10		0.00	
		2007-08		340.00	
		2008-09		375.00	
		2009-10		535.54	
		2010-11		425.00	
		2011-12		387.82	
		2012-13		0.00	
47	M/s.Kalyani power ltd	2013-14		600.53	
		2014-15		579.25	
		2007-08		714.00	
		2008-09		709.00	
		2007-08		325.00	
		2008-09		325.00	
48	M/s.Patni Power Projects	2009-10		0.00	
		2010-11		437.50	
		2011-12		452.29	
		2012-13		0.00	
		2014-15		629.00	
50	Vijayanagar sugars Pvt Ltd	2014-15		628.00	
51	Core green Sugar & Fuels Pvt Ltd	2014-15		545.00	
52	Jaypee Balaji Cement	2014-15		545.00	
		2015-16		545.00	

9.8 RATES OF POWER PURCHASE

Sl.No	Source	Period		Rate Ps/Kwh	Remarks
		From	To		
1	2	3	4	5	
53	Manikram Power Ltd	2014-15		580.00	
		2015-16		361.00	
54	RVK Energy Ltd	2014-15		552.00	
55	Madhucon Sugars	2014-15		549.00	
56	Ramco Cements Ltd	2014-15		540.00	
		2015-16		545.00	
57	Global energy Ltd (Trading)	2014-15		547.00	
58	Kusa Lava Power Ltd	2014-15		538.00	
59	NSL Krishna veni sugars	2014-15		554.00	
60	NTPC Aravali power,Delhi	2014-15		582.00	
		2015-16		569.00	
61	Laxmi Tulasi Agro Paper Pvt Ltd	2014-15		553.00	
62	Bharathi cements Ltd	2014-15		545.00	
		2015-16		545.00	
63	KCP Limited	2014-15		500.00	
		2015-16		535.00	
64	Sri Sai sindhu Industries	2014-15		554.00	
		2015-16		559.00	
65	Instinct Infra & Power Ltd	2014-15		382.00	
		2015-16		447.00	
66	My Home Industries Ltd	2014-15		563.00	
67	Jindal Power	2014-15		408.00	
68	HCL Agro Industries	2014-15		545.00	
69	Blue ocean Bio tech Ltd	2014-15		536.00	
		2015-16		534.00	
70	National Energy Trading Services Ltd	2015-16		537.00	
71	GMR Rajahmundry Eng Ltd(GREL)	2015-16		479.00	
72	Greenko Energies Pvt Ltd	2015-16		545.00	
73	M/s.GVK Industries	1996-97		252.00	
		1997-98		227.00	
		1998-99		220.00	
		1999-2k		206.60	
		2000-01		207.60	
		2001-02		223.00	
		2002-03		213.00	
		2003-04		224.00	
		2004-05		228.00	
		2005-06		235.24	
		2006-07		250.69	
		2007-08		249.72	
		2008-09		282.20	
		2009-10		204.81	
		2010-11		263.42	
		2011-12		284.33	
		2012-13		318.33	
2013-14		328.61			
2014-15		458.45			
2015-16		524.18			
2016-17		511.00			
74	M/s.SPG Ltd	1997-98		267.90	
		1998-99		218.00	
		1999-2k		202.30	
		2000-01		206.60	
		2001-02		215.00	
		2002-03		241.00	
		2003-04		252.00	
		2004-05		220.00	
		2005-06		223.91	
		2006-07		252.30	
		2007-08		221.25	
		2008-09		312.40	
		2009-10		217.21	
		2010-11		244.32	
2011-12		313.37			
2012-13		318.59			
2013-14		345.77			

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

9.10 SALE OF ENERGY CATEGORY-WISE (1970-71 TO 2018-19)													
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 2020-21)**

MU

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	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

**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 2019-20)**

(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	

9.11 PATTERN OF ELECTRICITY CONSUMPTION (%)
(1960 TO 2021)

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

@ includes LT Industrial & Cottage Industries and
H.T industrial Cat-I, Cat-II& Power Intensive.
NOTE:- Only sales within 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	1.13	4724.39	3606.86	911.64	305.86	541.2	11348.97

*For Residual AP

TARIFF FOR RETAIL SALE OF ELECTRICITY DURING FY2020-21
(Applicable with effect from 01.04.2020 to 31.03.2021 in the areas of APSPDCL and APEPDCL and three RESCOs in the State of Andhra Pradesh)

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

TARIFF FOR RETAIL SALE OF ELECTRICITY DURING FY2020-21 (Applicable with effect from 01.04.2020 to 31.03.2021 in the areas of APSPDCL and APEPDCL and three RESCOs in the State of Andhra Pradesh)								
III	INDUSTRY							
	(A) : Industry (General)#	75/kW	6.7	kWh/kVAh	475	6.3	5.85	5.4
	Time of Day tariff (TOD)- Peak (6 AM to 10 AM & 6 PM to 10 PM)	-	-			7.3	6.85	6.4
	Time of Day tariff (TOD) - Off Peak (10 PM to 6 AM)	-	-			5.3	4.85	4.4
	Industrial Colonies	-	-	kWh/kVAh	-	7	7	7
	(B) : Seasonal Industries (off-season)	75/kW	7.45	kWh/kVAh	475	7.65	6.95	6.7
	(C) : Energy Intensive Industries	-	-	kWh/kVAh	-	5.8	5.35	4.95
	(D) : Cottage Industries upto 10HP*	20/kW	3.75	kWh	-	-	-	-
	# - Rice mills and Pulverising units are permitted upto 150 HP in LT and as per the tariff mentioned in the terms and conditions. * - Dhobighats shall be extended free power supply as per G.O.Rt.No.75, dt. 27-06-2018							
IV	INSTITUTIONAL							
	(A) : Utilites(Street Lighting, NTR S	75/kW	7	kWh	475	7.65	6.95	6.7
	(B) : General Purpose	75/kW	7	kWh/kVAh	475	7.95	7.25	7
	(C) : Religious Places							
	(i) ≤ 2 kW	30/kW	4.8	kWh	-	-	-	-
	(ii) > 2 kW	30/kW	5	kWh/kVAh	30	5	5	5
	(D) : Railway Traction	-	-	kVAh	350	5.5	5.5	5.5
V	AGRICULTURE & RELATED							
	(A) : Agriculture							
	(i) Corporate farmers	200/HP	-	-	-	-	-	-
	(ii) Non-Corporate farmers	-	-	-	-	-	-	-
	(iii) Salt farming units upto 15 HP	-	2.5	kWh	-	-	-	-
	(iv) Sugarcane crushing	-	-	-	-	-	-	-
	(v) Rural Horticulture Nurseries	-	-	-	-	-	-	-
	(vi) Floriculture in Green House	75/kW	4.5	kWh/kVAh	-	-	-	-
	(B) : Aquaculture and Animal Husbandry	30/kW	3.85	kWh/kVAh	30	3.85	3.85	3.85
	(C) : Poultry & Aquaculture							
	(i) Poultry Hactcheries & Poultry Feed mixing plants	75/kW	4.5	kWh/kVAh	475	5.25	5.25	5.25
	(ii) Aqua Hatcheries & Aqua Feed mixing plants	75/kW	5	kWh/kVAh	475	5.75	5.75	5.75
	(D) : Agro Based Cottage Industries upto 10 HP	20/kW	3.75	kWh	-	-	-	-
	(E) : Government / Private Lift Irrigation Schemes	-	-	kVAh	-	7.15	7.15	7.15
Note:	(i) Temporary Supply :There is no separate category for temporary supply. However, Temporary supply can be released against each category with respective terms and conditions applicable and it shall be billed at the rate and other conditions specified in this order.							
	(ii) Categories not defined in either HT-Supply or LT-Supply shall be billed at the rates specified in Category - II (A) (ii) Commerical - Major							

10. PERSONNEL

10.1 CADRE STRENGTH IN AP Power Sector

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

10.1 CADRE STRENGTH in AP Power Sector

Sl.No.	Details	AP	AP	DISCOMs	AP	AP	DISCOMs	AP	AP	DISCOMs	AP	AP	DISCOMs	AP	AP	DISCOMs	AP	AP	DISCOMs
		Genco	TRANSCO		Genco	TRANSCO		Genco	TRANSCO		Genco	TRANSCO		Genco	TRANSCO		Genco	TRANSCO	
1	2	2016			2017			2018			2019			2020			2021		
	OTHER THAN WORKMEN																		
1.	Technical	2466	1691	1789	2472	1691	3601	2472	2290	3785	2464	2290	2953	2474	2290	2646	2473	2290	3621
2.	Non-Technical	355	120	953	355	120	982	355	200	1009	355	201	874	357	201	875	355	201	920
	WORKMEN																		
1.	Technical	369	223	1810	425	223	***	425	-	**	425	-	**	424	-	811	427	-	-
2.	Non-Technical	1126	766	7229	1070	766	2386	1070	691	2359	1069	690	6019	1068	690	5406	1068	690	6417
3.	O & M and Construction and others	4937	2106	19673	4931	2106	24592	4931	2106	24687	4931	2106	13525	4930	2106	15431	4930	2106	21212
	TOTAL	9253	4906	31454	9253	4906	31561	9253	5287	31840	9244	5287	23371	9253	5287	25169	9253	5287	32170

* 11 Posts in CTI /Hyderabad was allotted to TSTRANSCO

10.2 MAN POWER DETAILS

Sl.No.	Particulars	ANDHRA PRADESH																							
		T & D	Genco	T & D	Genco	T & D	Genco	T & D	Genco	T & D	Genco	T & D	Genco	T & D	Genco	T & D	Genco	T & D	Genco	T & D	Genco	T & D	Genco	T & D	
		2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16												
A.	Total No.of Employees	63123	13875	62645	13812	62942	14235	63752	13705	64711	15680	65027	15647	65273	15608	65318	15590	65066	16695	70230	9251	36272	9253	36360	
B.	Number employed in construction Projects	---	267	---	682	---	---	906	1989	---	---	2029	---	548	---	627	---	1464	---	1355	---	1348	---	---	
C.	Total employed in Generation,Transmission&Distribution(A-B)	63123	13608	62645	13130	62942	14235	63752	12799	64711	13691	65027	13618	65273	15060	65318	14963	65066	15231	70230	7896	36272	7905	36360	
D.	Employment break-up of 'C'																								
	1.a)Number.Actually employed in Thermal Generation	---	9229	---	8717	---	8674	---	8557	---	9325	---	9236	---	10774	---	10735	---	8812	---	4266	---	5276	---	
	1.b)Plus proportion of other employees (H.Q.Posts)	---	504	---	456	---	464	---	478	---	505	---	497	---	543	---	541	---	479	---	152	---	307	---	
	1.c)Thermal Capacity in operation in MW	---	3234.5	---	3172.5	---	3655	---	3655	---	4155	---	4592.5	---	5092.5	---	5092.5	---	5092.5	---	2810	---	2810	---	
	1.d)Employees / MW (1a+1b)/1c	---	3.01	---	2.89	---	2.50	---	2.47	---	2.37	---	2.12	---	2.22	---	2.214	---	1.824	---	1.572	---	1.987	---	
	2.a)No.actually employed in Hydel Generation	---	3593	---	3603	---	3629	---	3404	---	3370	---	3459	---	3320	---	3271	---	2053	---	1141	---	2141	---	

10.2 MAN POWER DETAILS

Sl.No.	Particulars	ANDHRA PRADESH									
		Genco	T & D	Genco	T & D	Genco	T & D	Genco	T & D	Genco	T & D
		2016-17		2017-18		2018-19		2019-20		2020-21	
A.	Total No.of Employees	9253	36467	9253	37127	9244	28658	9253	30456	9253	37457
B.	Number employed in construction Projects	100		100		102		1348		231	
C.	Total employed in Generation,Transmission&Distribution(A-B)	9153	36467	9153	37127	9142	28658	7905	30456	9022	37457
D.	Employment break-up of 'C'										
	1.a)Number Actually employed in Thermal Generation	6400		6400		6480		5276		4083	
	1.b)Plus proportion of other employees (H.Q.Posts)	296		296		284		282		177	
	1.c)Thermal Capacity in operation in MW	2810		2810		3410		3410		5010	
	1.d)Employees / MW (1a+1b)/1c	2.382918		2.382918		1.984		1.986		0.850	
	2.a)No.actually employed in Hydel Generation	2258		2258		2271		2141		1107	

10.2 MAN POWER DETAILS

Particulars			96-97	97-98	Genco	T & D	Genco	T & D	Genco	T & D	Genco	T & D	Genco	T & D	Genco	T & D	Genco	T & D	Genco	T & D	Genco	T & D
			1998-99		1999-2K		2000-01		2001-02		2002-03		2003-04		2004-05		2004-05		2005-06			
			3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	17	18	18	19
2.b)Plus proportion of other employees(HQ)			486	494	258	---	296	---	315	---	323	---	226	---	274	---	253	---	253	---	282	---
2.c)Hydel capacity in operation(MW)			2659	2659	2659	---	2674	---	2675	---	2982	---	3433	---	3588	---	3588	---	3588.3	---	3586.4	---
2.d)Employees per MW ((2a+2b)/2c)			1.32	1.45	1.43	---	1.45	---	1.50	---	1.36	---	1.12	---	1.10	---	1.03	---	1.03	---	1.08	---
3.a)No.actually employed in Transmission&distribution			58545	56216	---	57870	---	57886	---	59961	---	59942	---	60013	---	60568	---	61562	---	61562	---	61283
3.b)Plus proportion of other employees(HQ)			1493	1488	---	1806	---	2134	---	1710	---	1678	---	1679	---	1634	---	1561	---	1561	---	1062
3.c)No.of consumers in thousands			9479	10070	---	10602	---	11107	---	13294	---	13885	---	14683	---	15644	---	16449	---	16449	---	17235
3.d)Employees per 1000 consumers (3a+3b)/3c			6.33	5.73	---	5.63	---	5.4	---	4.64	---	4.44	---	4.20	---	3.98	---	3.84	---	3.84	---	3.62
4.a)Units sold including exports in MKWH			20651	22909	---	25021	---	26111	---	27498	---	29314	---	31631	---	34446	---	38057	---	38057	---	39652
4.b)Total No. of employees per MU sold			3.53	3.24	---	2.38	---	2.30	---	2.24	---	2.10	---	1.95	---	1.8	---	1.66	---	1.66	---	1.57

Particulars	Genco	T & D	Genco	T & D	Genco	T & D	Genco	T & D	Genco	T & D	Genco	T & D	Genco	T & D	Genco	T & D	Genco	T & D	Genco	T & D	Genco	T & D
	2005-06		2006-07		2007-08		2008-09		2009-10		2010-11		2011-12		2012-13		2013-14		2014-15		2015-16	
2.b)Plus proportion of other employees(HQ)	282	---	354	---	359.5		360		376		375		421		422		405		134		181	
2.c)Hydel capacity in operation(MW)	3586.4	---	3586.4	---	3627.4		3627.4		3744		3790		3865		3865		3865		1749.6		1749.6	
2.d)Employees per MW ((2a+2b)/2c)	1.08	---	1.10	---	1.1		1.0		1.0		1.0		0.97		0.96		0.635		0.729		1.32716	
3.a)No.of posts sanctioned in Transmission&distribution	---	61283	---	61986		62860		63794		63883		64118		64617		65066		70230		36272		36360
3.b)Plus proportion of other employees(HQ)(TRANSCO)	---	1062	---	956		892		917		1144		1155		1151		1158		1157		675		675
3.c)No.of consumers in thousands	---	17235	---	18290		19383		20588		21731		22856		23981		25159		26652		15619		16300
3.d)Employees (sanctioned) per 1000 consumers (3a+3b)/3c	---	3.62	---	3.44		3.29		3.14		2.94		2.86		2.74		2.63		2.68		2.37		2.27
4.a)Units sold including exports in MKWH	---	39652	---	44807		48390		53215		59118		62618		69955		67604		73126		45120*		49513*
4.b)Total No. of employees (sanctioned)per MU sold	---	1.57	---	1.40		1.29		1.22		1.08		0.96		1.06		1.02		1.02		1.22		1.34

* Reconciled figures

10.2 MAN POWER DETAILS

S.No.	Particulars	Genco	T & D	Genco	T & D	Genco	T & D	Genco	T & D	Genco	T & D
		2016-17		2017-18		2018-19		2019-20		2020-21	
	2.b)Plus proportion of other employees(HQ)	201		201		215	-	213		129	
	2.c)Hydel capacity in operation(MW)	1749.6		1749.6		1749.6	-	1749.6		1773.6	
	2.d)Employees per MW ((2a+2b)/2c)	1.4054 6		1.405464		1.421	-	1.408		0.697	
	3.a)No. of posts sanctioned in Transmission& Distribution		36467		37127		28658		30456		37457
	3.b)Plus proportion of other employees(HQ)(TRANSCO)										
	3.c)No. of consumers in thousands		17182		17821		18506		18809		19346
	3.d)Employees(sanctioned) per 1000 consumers (3a+3b)/3c		2.12		2.08		1.55		1.62		1.94
	4.a)Units sold including exports in MKWH		52637.23*		57576		63144		62923		63070
	4.b)Total No of employees (sanctioned)per MU sold		1.44		1.55		2.20		2.07		1.68

* Reconciled figures

10.3 DETAILS OF OTHER THAN WORKMEN AS ON 31-03-2021

S.No.	Cadre	AP GENCO			AP TRANSCO*		
		Head Qrs.	Field	Total	Head Qrs.	Field	Total
1	2	3	4	5	6	7	8
A	TECHNICAL						
1	Executive Director	1	0	1	0	0	0
2	Chief Engineer/EI including CGM Adm(GENCO)/CE(EI,telecom,civil)	6	6	12	7	4	11
3	Superintending Engineer	15	32	47	11	25	36
4	DE / EE	40	172	212	39	110	149
5	ADE / AEE	89	711	800	121	560	681
6	AE / AAE	43	1260	1303	55	817	773
7	Sub-Engineer	1	422	423	0	18	18
	T O T A L	195	2603	2798	233	1534	1668
B	NON-TECHNICAL						
1	Executive Director/Finance/General	-	-	0	1	0	1
2	Chief Chemist	0	5	5	**	**	**
3	Senior Chemist	1	33	34	**	**	**
4	Chemist	1	56	57	**	**	**
5	FA & CCA	2	0	2	1	0	1
6	Deputy CCA	4	4	8	3	0	3
7	Senior Accounts Officer	8	6	14	5	3	8
8	Accounts Officer	17	17	34	2	7	9
9	Asst. Accounts Officer	9	26	35	14	10	24
10	Junior Accounts Officer	36	107	143	7	30	37
11	Chief Gen. Manager (IR), (NC), (HR)	0	0	0	**	**	**
12	Joint Secretary	0	1	1	**	**	**
13	Company Secretary	1	0	1	1	0	1
14	Dy.Manager HR	0	3	3	**	**	**
15	Asst.Manager(Ex-Cadre)	1	6	7	1	0	1
16	General Manager (IR)	1	0	1	**	**	**
17	General Manager (HR)	0	2	2	**	**	**
18	DGM(HR)	3	2	5	**	**	**
19	Deputy Secretary	3	1	4	2	0	2
20	Assistant Secretary	7	3	10	5	0	5
21	Law Officer	1	0	1	**	**	**
22	Junior Law Officer	1	0	1	**	**	**
23	Personnel Officer	22	6	28	12	13	25
24	Public Relations Officer	0	0	0	**	**	**
25	Welfare Officer	0	5	5	**	**	**
26	Head Master	0	1	1	**	**	**
27	Chief of Security & Vigilance	1	0	1	**	**	**
28	DSP(Vigilance)	1	0	1	1	0	1
29	Security officer	0	3	3	**	**	**
30	Asst. Security Officer	1	7	8	**	**	**
31	Security Inspector	2	9	11	**	**	**
32	Deputy Civil Surgeon	0	2	2	**	**	**
33	Asst.Civil Surgeon	1	12	13	**	**	**
34	Addl.Secretary	-	-	**	0	0	0
35	Tahasildar & Dy Tahasildar	-	-	**	0	0	0
36	Divisional .Manager(Ex-Cadre)	-	-	**	0	0	0
37	Asst Divisional fire officer	0	3	3	**	**	**
38	Station fire officer	0	5	5	**	**	**
39	Senior Labour welfare officer	0	5	5	**	**	**
40	Inspector of Police (CI)	-	-	0	2	0	2
41	Sub Inspector	2	0	2	2	0	2
42	Head Constable	4	0	4	1	0	1
43	Police Constable	4	-	4	2	0	2
	TOTAL	124	330	454	55	63	125
	Grand Total	319	2933	3252	288	1597	1793

** Cadres not existing in APTRANSCO

**10.4 DETAILS OF OTHER THAN WORKMEN(SANCTIONED)
(AS ON 31-03-2021 DISCOMS)**

Sl.no	Cadre	EPDCL	CPDCL	SPDCL	DISCOM Total
1	2	3		4	5
A. TECHNICAL					
1	Executive Director	0	0	1	1
2	Chief Engineer/(CGM)	9	4	5	18
3	Superintending Engineer/GM	22	14	18	54
4	DE / EE	81	56	88	225
5	ADE/Dy.EE	209	152	236	597
6	AE / AAE	567	394	649	1610
7	DGM /IT	1	0	0	1
8	Manager (CSC)	7	0	0	7
9	Sub-Engineer/JE	470	332	518	1320
	TOTAL(A)	1366	952	1515	3833
B. NON-TECHNICAL					
1	CGM	3	1	1	5
2	GM	0	2	0	2
3	GM(Revenue/Accounts/IA/Costing	4	1	5	10
4	GM/HRD	2	1	0	3
5	SAO	9	6	7	22
6	AO	20	10	13	43
7	AAO	55	43	68	166
8	JAO	215	163	276	654
9	DGM	4	3	7	14
10	DGM/Legal Affairs (Out Source)	0	0	0	0
11	DGM/CC (Out source)	0	0	0	0
12	JS/HRD	0	0	1	1
13	DS/GM	0	0	0	0
14	AS/DGM	0	0	0	0
15	Personnel Officer	19	10	14	43
16	Company Secretary	1	1	1	3
17	Chartered Accountat (Contract Basis)	0	1	0	1
18	Public Relations Officer	1	1	1	3
19	Chief Vigilance Officer	1	0	1	2
20	Inspector of Police	5	0	8	13
21	Sub-Inspector of Police	11	0	18	29
22	Law Officer	1	1	1	3
	TOTAL (B)	351	244	422	1017
	Grand Total	1717	1196	1937	4850

10.5 Trends of Regular Employee & Employee Cost							
	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21
Employees (nos)							
AP Transco	2211	2172	2150	2108	2102	2154	2138
AP Genco	6200	5838	5838	5850	5735	5629	5649
AP EPDCL	7206	7858	7871	7648	7793	7608	9794
AP CPDCL	AP CPDCL was formed on 01.04.2020						7451
AP SPDCL	16638	16323	15895	16104	15494	15378	9631
TOTAL	32255	32191	31754	31710	31124	30769	34663
Employee Cost (Rs in Cr)							
AP Transco	497.36	269.02	302.33	362.59	444.37	621.68	1043.04
AP Genco	585.37	524.89	506.89	510.29	784.33	779.21	761.34
AP EPDCL	492.66	536.27	555.08	579.11	816.13	840.62	879.26
AP CPDCL	AP CPDCL was formed on 01.04.2020						758.16
AP SPDCL	1359.68	1025.41	860.46	1170.9	2603.72	2875.89	2053.06
TOTAL	2935.07	2355.59	2224.76	2622.89	4648.55	5117.4	5494.86

Trends of Out Sourcing Employee & Employee Cost							
	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21
Employees (nos)							
AP Transco	4223	4248	4516	4717	5007	5988	6067
AP Genco	2912	3807	4202	4255	4286	4354	4432
AP EPDCL	2876	2970	3205	3533	4010	4163	4269
AP CPDCL	AP CPDCL was formed on 01.04.2020						4477
AP SPDCL	6619	6785	6858	7014	6763	7297	6636
TOTAL	16630	17810	18781	19519	20066	21802	25881
Employee Cost (Rs in Cr)							
AP Transco	10.16	12.91	15.19	20.51	28.28	30.95	32.35
AP Genco	36.98	50.15	63.03	84.42	114.41	138.79	114.41
AP EPDCL	32.16	41.16	62.72	73.69	128.67	133.52	137.05
AP CPDCL	AP CPDCL was formed on 01.04.2020						98.64
AP SPDCL	97.35	131.04	146.17	175.64	233.92	288.92	160.78
TOTAL	176.65	235.26	287.11	354.26	505.28	592.18	543.23

11. ALL INDIA STATISTICS

11.1 All India Region wise Installed Capacity (MW) of Power Stations as on 31-03-2021											
Sl. No	Region	Sector	Thermal					Nuclear	Hydro	RES	Total
			Coal	Lignite	Gas	Diesel	Total				
1	Northern	State	16659.00	250.00	2879.20	0.00	19,788.20	0.00	5,888.25	725.51	26,401.96
		Private	22425.83	1080.00	558.00	0.00	24,063.83	0.00	2,916.00	17,487.12	44,466.95
		Central	15742.56	250.00	2344.06	0.00	18,336.62	1620.00	11,484.52	379.00	31,820.14
		SubTotal	54827.39	1580.00	5781.26	0.00	62,188.65	1620.00	20,288.77	18,591.63	1,02,689.05
2	Western	State	21500.00	900.00	2849.82	0.00	25,249.82	0.00	5,446.50	569.28	31,265.60
		Private	32847.17	500.00	4676.00	0.00	38,023.17	0.00	481.00	28,016.71	66,520.88
		Central	19972.95	0.00	3280.67	0.00	23,253.62	1840.00	1,635.00	666.30	27,394.92
		SubTotal	74320.12	1400.00	10806.49	0.00	86,526.61	1840.00	7,562.50	29,252.29	1,25,181.40
3	Southern	State	20322.50	0.00	791.98	159.96	21,274.44	0.00	11,774.83	586.88	33,636.15
		Private	12747.00	250.00	5340.24	273.70	18,610.95	0.00	0.00	43,471.37	62,082.32
		Central	11835.02	3390.00	359.58	0.00	15,584.60	3320.00	0.00	541.90	19,446.50
		SubTotal	44904.52	3640.00	6491.80	433.66	55,469.99	3320.00	11,774.83	44,600.15	1,15,164.97
4	Eastern	State	7450.00	0.00	100.00	0.00	7,550.00	0.00	3,537.92	275.11	11,363.03
		Private	6153.00	0.00	0.00	0.00	6,153.00	0.00	96.00	1,300.22	7,549.22
		Central	14249.45	0.00	0.00	0.00	14,249.45	0.00	1,005.20	10.00	15,264.65
		SubTotal	27852.45	0.00	100.00	0.00	27,952.45	0.00	4,639.12	1,585.33	34,176.90
5	N.Eastern	State	0.00	0.00	466.36	36.00	502.36	0.00	422.00	233.25	1,157.60
		Private	0.00	0.00	24.50	0.00	24.50	0.00	0.00	105.92	130.42
		Central	770.02	0.00	1253.60	0.00	2,023.62	0.00	1,522.00	30.00	3,575.62
		SubTotal	770.02	0.00	1744.46	36.00	2,550.48	0.00	1,944.00	369.17	4,863.64
6	Island	State	0.00	0.00	0.00	40.05	40.05	0.00	0.00	5.25	45.30
		Private	0.00	0.00	0.00	0.00	0.00	0.00	0.00	24.87	24.87
		Central	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.10	5.10
		SubTotal	0.00	0.00	0.00	40.05	40.05	0.00	0.00	35.22	75.27
7	All India	State	65931.50	1150.00	7087.36	236.01	74,404.86	0.00	27,069.50	2,395.27	1,03,869.64
		Private	74173.00	1830.00	10598.74	273.70	86,875.45	0.00	3,493.00	90,406.21	1,80,774.66
		Central	62570.00	3640.00	7237.91	0.00	73,447.91	6780.00	15,646.72	1,632.30	97,506.93
		Total	2,02,674.50	6,620.00	24,924.01	509.71	2,34,728.22	6,780.00	46,209.22	94,433.79	3,82,151.22

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

Source:cea.nic.in

11.3 THERMAL STATIONS - PLANT LOAD FACTOR

Sl.no	Year	PLF(%)
1	2001-02	69.9
2	2002-03	72.2
3	2003-04	72.7
4	2004-05	74.8
5	2005-06	74.3
6	2006-07	76.8
7	2007-08	78.6
8	2008-09	77.2
9	2009-10	77.68
10	2010-11	74.97
11	2011-12	73.47
12	2012-13	70.13
13	2013-14	65.56
14	2014-15	64.25
15	2015-16	62.24
16	2016-17	59.88
17	2017-18	60.72
18	2018-19	61.07
19	2019-20	64.21

* Coal and Lignite based

Plan Wise Capacity Addition Targets and achievements during Various Plans			
Sl.No	Plan Period	Target	Achievement
1	I st plan (1951-56)	1300	1100
2	2nd plan(1956-61)	3500	2250
3	3rd plan (1961-66)	7040	4520
4	Annual plans(1966-69)	5430	4120
5	4th plan(1969-74)	9264	4579
6	5th plan(1974-79)	12499	10202
7	Annual plan (1979-80)	2813	1799
8	6th plan(1980-85)	19666	14266
9	7th plan(1985-90)	22245	21401
10	Annual plan (1990-91)	4212	2776
11	Annual Plan (1991-92)	3811	3027
12	8th plan (1992-97)	30538	16423
13	9th plan (1997-2002)	40245	19119
14	10th plan (2002-2007)	41110	21180
15	I st year of 11th plan (2007-08)	16335	9263
16	2nd year of 11th plan (2008-09)	7530	3454
17	3rd year of 11th plan (2009-10)	14507	9585
18	4th year of 11th plan (2010-11)	21441	12161
19	5th year of 11th plan (2011-12)	17601	20502
20	1st Year of 12th Plan (2012-13)	17956	20623
21	2nd Year of 12th Plan (2013-14)	11663	17825
22	3rd Year of 12th Plan (2014-15)	17830	22566
23	4th Year of 12th Plan (2015-16)	16894	23976.6
24	5th Year of 12th Plan (2016-17)	9914	14324.5
25	2017-18	13171	9505
26	2018-19	8106	5922
27	2019-20	12186	7065

Figures in MW

11.4 Growth of Transmission sector (As on 31-03-2021)		
Sl.No	Transmission lines	Total CKM
1	765 kV	44,853
2	400 kV	1,84,521
3	220kV	1,80,141
4	HVDC Lines	15,556
TOTAL		4,25,071

Sl.No	Sub-Station (MVA)	Total MVA
1	765 kV	2,38,700
2	400 kV	3,62,327
3	220kV	3,94,941
4	HVDC	29,500
TOTAL		10,25,468

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

* Pump sets energized are up to end of 12th

Plan.Source: www.cea.nic.in

11.6 PEAK DEMAND AND DEFICIT

Year 2019-20

State	Peak demand (MW)	Peak met (MW)	Surplus/Deficit (MW)	Surplus/Deficit (%)
Chandigarh	431	431	0	0.0
Delhi	7,409	7409	0	0.0
Haryana	11001	11001	0	0.0
Himachal Pradesh	1786	1786	0	0.0
Jammu & Kashmir	3405	2724	681	20.0
Punjab	13606	13606	0	0.0
Rajasthan	14277	14277	0	0.0
Uttar Pradesh	22599	22057	542	2.4
Uttarakhand	2233	2233	0	0.0
Northern Region	66559	65865	694	1.0
Chattisgarh	4746	4736	10	0.2
Gujarat	18437	18424	13	0.1
Madhya Pradesh	14886	14855	31	0.2
Maharashtra	24550	24550	0	0.0
Daman & Diu	351	350	1	0.3
Dadar Nagar Haveli	826	826	0	0.0
Goa	625	625	0	0.0
Western Region	59416	59416	0	0.0
Andhra Pradesh	10222	10207	15	0.1
Telangana	13168	13168	0	0.0
Karnataka	13258	13258	0	0.0
Kerala	4487	4300	187	4.2
Tamil Nadu	15727	15668	59	0.4
Pondicherry	470	470	0	0.0
Lakshadweep #	8	8	0	0.0
Southern Region	53465	53465	0	0.0
Bihar	5835	5789	46	0.8
Damodar Valley Corporation	3044	3044	0	0.0
Jharkhand	1396	1389	7	0.5
Orissa	5292	5292	0	0.0
West Bengal	9263	9088	175	1.9
Sikkim	115	115	0	0.0
Andaman-Nicobar #	58	54	4	6.9
Eastern Region	23421	23398	23	0.1
Arunachal Pradesh	158	156	2	1.3
Assam	2193	1956	237	10.8
Manipur	226	218	8	3.5
Meghalaya	371	371	0	0.0
Mizoram	133	132	1	0.8
Nagaland	186	169	17	9.1
Tripura*	320	311	9	2.8
North -Eastern Region	2989	2878	111	3.7
All India	183804	182533	1271	0.69

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

* Excludes the supply to Bangladesh.

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

11.7 POWER SUPPLY AND SHORTAGES

Year :2019-20 (Provisional)

State	Requirement (MU)	Availability (MU)	Surplus/Deficit (MU)	Surplus/Deficit (%)
Chandigarh	1732	1732	0	0.0
Delhi	33043	33033	-10	0.0
Haryana	54505	54492	-13	0.0
Himachal Pradesh	10368	10297	-71	-0.7
Jammu & Kashmir	20025	16259	-3766	-18.8
Punjab	56757	56751	-6	0.0
Rajasthan	81294	81236	-58	-0.1
Uttar Pradesh	122562	121017	-1545	-1.3
Uttarakhand	14472	14376	-96	-0.7
Northern Region	394758	389192	-5566	-1.4
Chattisgarh	30001	29997	-4	0.0
Gujarat	113940	113939	-1	0.0
Madhya Pradesh	75808	75807	-1	0.0
Maharashtra	155159	155159	0	0.0
Goa	2572	2572	0	0.0
Daman & Diu	6527	6527	0	0.0
Dadar Nagar Haveli	4345	4345	0	0.0
Western Region	388351	388346	-5	0.0
Andhra Pradesh	65428	65390	-38	-0.1
Telangana	68411	68408	-3	0.0
Karnataka	72834	72831	-3	0.0
Kerala	26315	26265	-50	-0.2
Tamil Nadu	108716	108712	-4	0.0
Pondicherry	2845	2844	-1	0.0
Lakshadweep #	46	46	0	0.0
Southern Region	344550	344450	-100	0.0
Bihar	31610	31517	-93	-0.3
Damodar Valley Corporation	22496	22494	-2	0.0
Jharkhand	8925	8860	-65	-0.7
Orissa	29662	29662	0	0.0
West Bengal	52756	52636	-120	-0.2
Sikkim	548	548	0	0.0
Andaman-Nicobar #	346	323	-23	-6.6
Eastern Region	145997	145717	-280	-0.2
Arunachal Pradesh	758	754	-4	-0.5
Assam	9801	9285	-516	-5.3
Manipur	928	922	-6	-0.6
Meghalaya	2112	2064	-48	-2.3
Mizoram	641	637	-4	-0.6
Nagaland	816	811	-5	-0.6
Tripura	1536	1513	-23	-1.5
North-Eastern Region	16592	15985	-607	-3.7
All India	1290247	1283690	-6557	-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

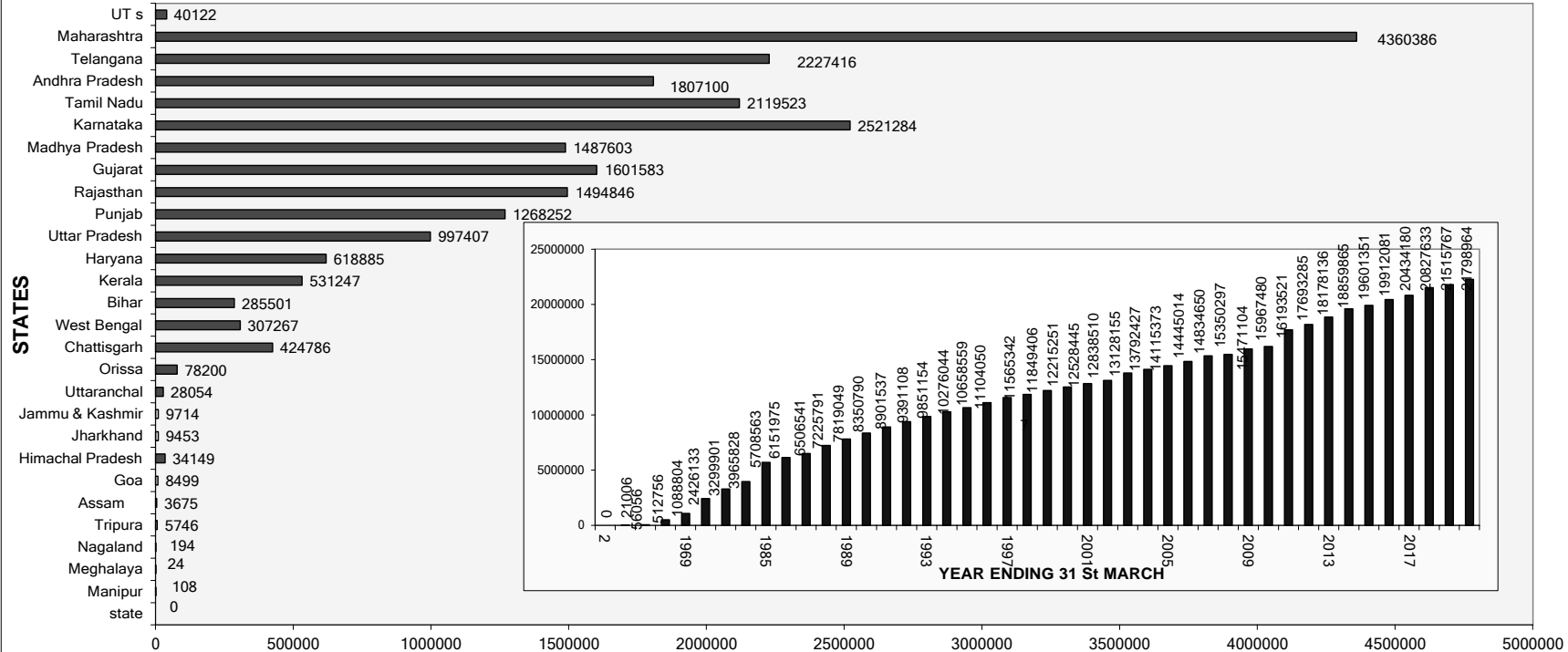
11.8 Per-Capita Consumption in kwh (World Statistics)														
Sl.No	Country	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
1	Canada	16766	16995	17053	15467	15145	16406	15558	15520	15544	15188	14844	14273	15438
2	USA	13515	13616	13647	12884	13361	13227	12947	12987	12962	12833	12825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

11.9 T&D Losses in (%) (World Statistics)													
Sl.No	Country	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
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
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
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
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
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	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
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	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
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
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
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
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	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
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
	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

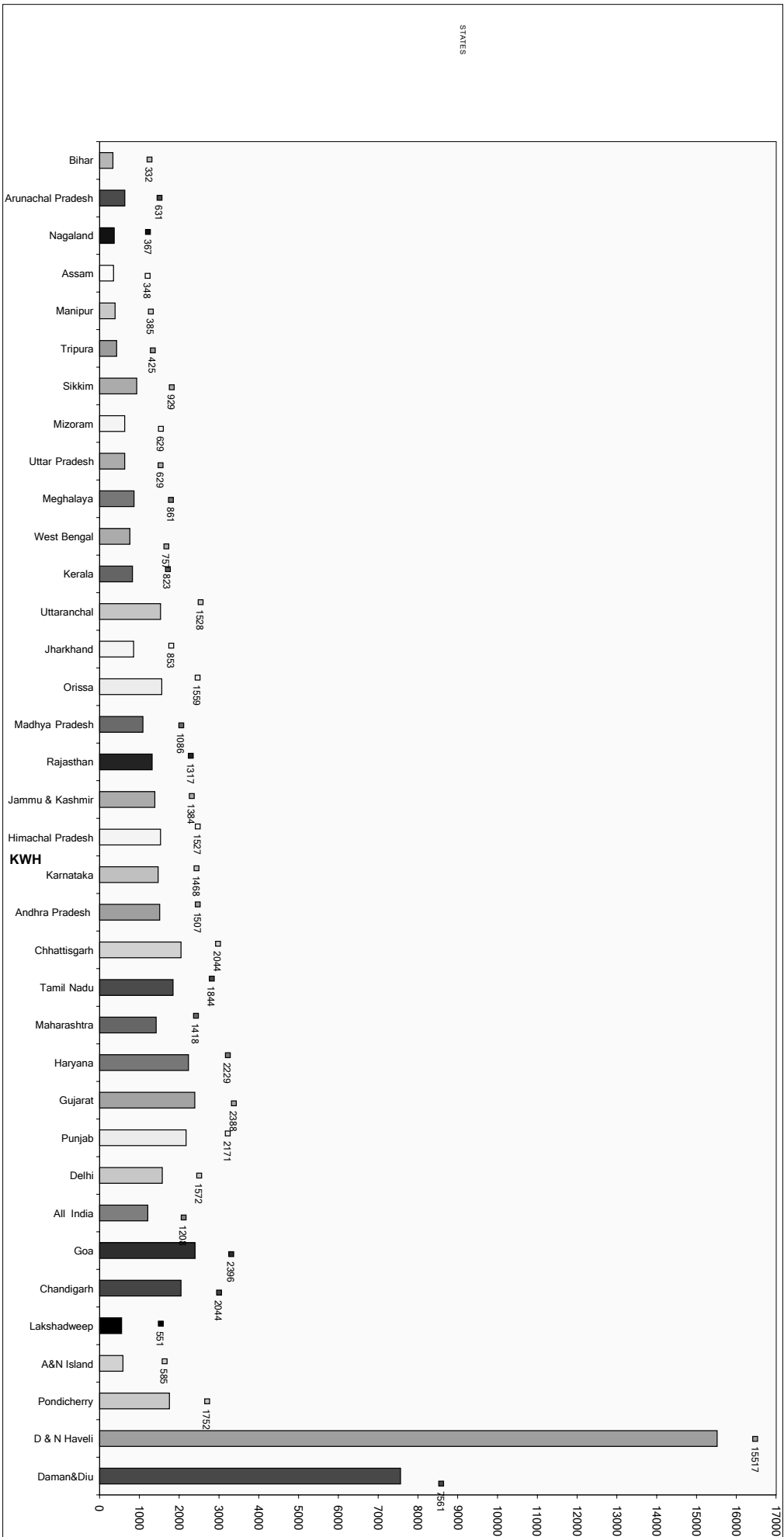
Source : CEA

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

PUMPSETS ENERGISED ALL INDIA, STATE WISE



PER CAPITA CONSUMPTION -STATE WISE 2019-20



APPENDIX

APPENDIX - I
SYSTEM DEMAND AND LOAD FACTORS OF A.P.GRID FOR THE YEAR
2020-21

Sl. No.	Month	Demand Met in MU	Maximum Demand Met in MW	Load factor in %
1	Apr-20	4,796	8595	77.50
2	May-20	5,601	10101	74.54
3	Jun-20	5,107	9423	75.27
4	Jul-20	4,802	8500	75.94
5	Aug-20	5,108	8892	77.21
6	Sep-20	5,090	9523	74.24
7	Oct-20	5,061	8820	77.12
8	Nov-20	4,931	9490	72.17
9	Dec-20	4,940	8934	74.33
10	Jan-21	5,459	9977	73.54
11	Feb-21	5,420	10457	77.13
12	Mar-21	6,754	11193	81.10
TOTAL / MAX		63,070	11193	

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 up to 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

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	88481

* Residual AP

APPENDIX -IV as on 31-3-2021

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	6	3000							6	3000
315.00	36	11340							36	11340
160.00	2	320	38	6080.00					40	6400
100.00	4	400	131	13100.00					135	13500
80.00			6	480.00	4	320.00			10	800
60.00				0.00					0	0
50.00			73	3650.00	120	6000.00			193	9650
40.00									0	0
31.50			81	2551.50	232	7308.00			313	9860
30.00						0.00			0	0
25.00			31	775.00	7	175.00			38	950
20.00						0.00			0	0
16.00			6	96.00	110	1760.00			116	1856
15.00				0.00	8	120.00			8	120
12.50							13	163	13	163
10.00						0.00	31	310	31	310
8.00							1257	10056	1257	10056
7.50							3	23	3	23
5.00							3458	17290	3458	17290
3.15							227	715	227	715
3.00							10	30	10	30
1.60							1	2	1	2
1.50							3	5	3	5
0.50							0	0	0	0
	48	15060	366	26732.5	481	15683.00	5003	28592	5898	86068

APPENDIX -V Voltage wise as on 31-3-2021

Capacity of each Unit in MVA	400 /220KV		220 /132KV		220/33KV		220/11KV		132/33 KV		132/11 KV		33/11KV		Total	
	No's	Capacity MVA	No's	Capacity MVA	No's	Capacity MVA	No's	Capacity MVA	No's	Capacity MVA	No's	Capacity MVA	No's	Capacity MVA	No's	Capacity MVA
1	2	3	4	5					6	7			8	9	10	11
500.00	6	3000													6	3000
315.00	36	11340													36	11340
160.00			38	6080	1	160.0	1	160.0							40	6400
100.00	4	1260	131	13100											135	13500
80.00					6.0	480.0			4	320					10	800
60.00															0	0
50.00					9	450	5	250	179	8950	0	0			193	9650
40.00															0	0
31.50					40	1260	7	220.5	266	8379					313	9859.5
30.00															0	0
25.00							30	750	6	150	2	50			38	950
16.00									109	1744	7	112			116	1856
15.00									8	120					8	120
12.50													13	162.5	13	162.5
10.00													31	310	31	310
8.00													1257	10056	1257	10056
7.50													3	22.50	3	22.50
5.00													3458	17290	3458	17290
3.15													227	715.05	227	715.05
3.00													10	30	10	30
1.60													1	1.6	1	1.6
1.50													3	4.5	3	4.5
0.50													0	0.0	0	0
	46	15600	169	19180	56	2350	43	1381	572	19663	9	162	5003	28592	5898	86068

APPENDIX - VI DISTRIBUTION TRANSFORMERS AS ON 31-3-2021

Sl. No	Name of the Circle	Quantity in Numbers (Capacity wise kVA) 1-Phase																									Total Nos.	Total Capacity in KVA								
		1500	1000	750	500	400	315	300	281	250	200	160	150	125	100	75	63	50	40	30	25	16	15	Total 3 Phase	Capacity	75			50	25	16	15	10	5	Total	Capacity
1	Srikakulam	0	0	0	0	0	3	0	0	9	6	198	5	0	2314	7	2542	27	1074	0	2560	6377	0	15122	639238	0	0	0	0	6878	11	5	6894	103305	22016	742543
2	Vizianagaram	0	0	0	3	2	14	0	0	19	2	355	0	0	2436	11	2536	30	1228	0	3243	5042	0	14921	685220	0	0	0	1475	4952	84	7	6518	98755	21439	783975
3	Visakhapatnam	0	0	0	148	2	408	0	0	95	4	2441	5	0	6967	20	5084	31	3376	0	5134	9872	0	33587	2060564	0	0	0	0	7485	112	39	7636	113590	41223	2174154
4	East Godavari	0	0	0	25	0	85	0	0	93	11	1398	7	0	9216	77	6649	184	7295	0	10830	13985	570	50425	2439777	0	0	0	4695	13753	348	46	18842	285125	69267	2724902
5	West Godavari	0	0	0	16	8	82	0	0	72	15	1336	5	0	8838	64	9735	172	17967	0	27638	24867	5	90820	3590622	0	0	0	3624	12212	187	101	16124	243539	106944	3834161
	EPDCL Total	0	0	0	192	12	592	0	0	288	38	5728	22	0	29771	179	26546	444	30940	0	49405	60143	575	204875	9415421	0	0	0	9794	45280	742	198	56014	844314	260889	10259735
6	Krishna	0	0	0	15	0	685	0	0	248	16	2729	0	0	11202	109	8834	290	604	0	29745	8864	1	63342	3334156	0	0	0	3294	12420	225	539	16478	243949	79820	3578105
7	Guntur	0	0	0	53	0	340	0	0	186	12	1284	3	0	7706	85	4893	156	257	0	26930	10741	0	52646	2336810	0	0	0	0	11370	85	248	11703	172640	64349	2509450
	CRDA	1	4	0	17	0	148	0	0	45	3	322	2	0	1920	26	1044	35	41	0	1529	1180	0	6317	444507	0	0	0	0	2516	23	64	2603	38290	8920	482797
8	Ongole	0	0	0	14	10	118	0	0	82	12	706	4	0	6161	21	4768	18	106	0	44510	16986	576	74092	2500995	0	0	29	2775	10221	347	443	13815	204125	87907	2705120
	CPDCL Total	1	4	0	192	12	592	0	0	288	38	5728	22	0	29771	179	26546	444	30940	0	49405	60143	575	196397	9420921	0	0	29	6069	36527	680	1294	44599	659004	240996	9275472
9	Nellore	0	0	0	10	3	266	2	0	152	14	1111	0	2	7591	17	6893	34	135	0	32223	24865	1599	74917	2738534	5	10	61	2494	11305	120	548	14543	216319	89460	2954853
10	Tirupati	0	0	0	9	2	375	1	0	120	13	963	1	0	5638	43	2521	36	165	0	63058	37578	13464	123987	3424461	1	3	25	2497	14899	666	574	18665	273817	142652	3698278
11	Kadapa	0	0	0	10	1	84	0	0	86	6	589	3	0	4451	6	1990	24	251	0	60445	45307	972	114225	2982027	0	4	18	2986	9369	53	434	12864	191661	127089	3173688
12	Anantapur	0	0	0	7	0	62	0	0	41	9	687	0	0	7040	87	4668	180	22	0	91466	22786	12	127067	3810895	0	1	994	2473	8783	5370	1	17622	249918	144689	4060813
13	Kurnool	0	0	0	3	1	139	0	0	61	13	1080	0	0	5167	15	4317	85	129	0	59235	9963	0	80208	2675824	4	10	1110	2023	8508	4009	4	15668	228648	95876	2904472
	SPDCL Total	0	0	0	39	7	926	3	0	460	55	4430	4	2	29887	168	20389	359	702	0	306427	140499	16047	520404	15631741	10	28	2208	12473	52864	10218	1561	79362	1159863	599766	16792104
	Total for DISCOMs	1	4	0	423	31	2110	3	0	1036	131	15886	48	2	89429	526	73481	1247	62582	0	405237	260785	17197	921676	34468083	10	28	2237	28336	134671	11640	3053	179975	2663181	1101651	36327311
1	Chipurupalli	0	0	0	0	0	0	0	0	0	1	44	0	0	467	0	501	0	16	0	19	0	0	1048	86618	0	0	0	0	204	0	0	204	3060	1252	89678
2	Anakapalli	0	0	0	0	0	0	0	0	9	14	38	0	0	1273	11	434	34	0	0	6549	2729	239	11330	379271	0	0	420	925	215	81	0	1641	29335	12971	408606
3	Kuppam	0	0	0	0	0	0	0	0	9	14	37	0	0	1192	11	404	31	0	0	6118	2750	247	10813	358652	0	0	420	921	215	81	0	1637	29271	12450	387923
	RESCO total	0	0	0	0	0	0	0	0	18	29	119	0	0	2932	22	1339	65	16	0	12686	5479	486	23191	824541	0	0	840	1846	634	162	0	3482	61666	26673	886207
	STATE TOTAL	1	4	0	423	31	2110	3	0	1054	160	16005	48	2	92361	548	74820	1312	62598	0	417923	266264	17683	944867	35292624	10	28	3077	30182	135305	11802	3053	183457	2724847	1128324	37213518

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

* From 2015 the data is for Residual AP

APPENDIX - VIII

SERVICES AND CONNECTED LOAD AS ON 31-03-2021

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 2020-21	Nos.	18948	2785	39	3341	1008	26121	24	26145
b)	Services as on 31-03-2021	Nos.	750276	66959	2767	19711	27200	866913	437	867350
c)	Connected Load as on 31-03-2021	KW	387252	107672	69104	30839	92529.18	687397	197945	885342
2	VIZIANAGARAM									
a)	Services released during 2020-21	Nos.	13395	4729	16	614	2037	20791	8	20799
b)	Services as on 31-03-2021	Nos.	596196	58972	2363	11586	45907	715024	352	715376
c)	Connected Load as on 31-03-2021	KW	417791	109521.11	48240	19067.27	113354.59	707974	328011	1035985
3	VISAKHAPATNAM									
a)	Services released during 2020-21	Nos.	33611	5812	18	1859	2327	43627	59	43686
b)	Services as on 31-03-2021	Nos.	1272858	143659	3509	23419	45153	1488598	1548	1490146
c)	Connected Load as on 31-03-2021	KW	1717110	425707	73987	50139	133392	2400334	1420905	3821239
4	EAST GODAVARI									
a)	Services released during 2020-21	Nos.	41086	5163	24	4915	1024	52212	42	52254
b)	Services as on 31-03-2021	Nos.	1545939	169740	6170	35429	49993	1807271	1121	1808392
c)	Connected Load as on 31-03-2021	KW	1468220	328129.1073	121917.9	70548.12	591229	2580044	581837	3161881
5	WEST GODAVARI									
a)	Services released during 2020-21	Nos.	30953	7693	13	1329	1432	41420	27	41447
b)	Services as on 31-03-2021	Nos.	1188204	139578	4293	26069	103962	1462106	852	1462958
c)	Connected Load as on 31-03-2021	KW	1268442	275814.3206	102432.5	60245.19	1387336	3094269	547850	3642120
TOTAL EPDCL										
a)	Services released during 2020-21	Nos.	137993	26182	110	12058	7828	184171	160	184331
b)	Services as on 31-03-2021	Nos.	5353473	578908	19102	116214	272215	6339912	4310	6344222
c)	Connected Load as on 31-03-2021	KW	5258814	1246843	415682	230839	2317840	9470018	3076549	12546567
6	KRISHNA									
a)	Services released during 2020-21	Nos.	41408	6875	-52	783	2268	51282	30	51312
b)	Services as on 31-03-2021	Nos.	1501285	193764	9923	28151	118307	1851430	2053	1853483
c)	Connected Load as on 31-03-2021	KW	2291	583	419	102	1559	4953	597	5550
7	GUNTUR									
a)	Services released during 2020-21	Nos.	40900	8260	-99	1293	3020	53374	43	53417
b)	Services as on 31-03-2021	Nos.	1714747	192557	12891	28710	111183	2060088	2028	2062116
c)	Connected Load as on 31-03-2021	KW	1978	481	488	81	1035	4064	772	4836
8	PRAKASAM									
a)	Services released during 2020-21	Nos.	22570	4417	-19	-5	2955	29918	51	29969
b)	Services as on 31-03-2021	Nos.	1060085	100277	8983	21338	191768	1382451	1288	1383739
c)	Connected Load as on 31-03-2021	KW	963	223	408	63	1647	3303	369	3672
TOTAL CPDCL										
a)	Services released during 2020-21	Nos.	104878	19552	-170	2071	8243	134574	124	134698
b)	Services as on 31-03-2021	Nos.	4276117	486598	31797	78199	421258	5293969	5369	5299338
c)	Connected Load as on 31-03-2021	KW	5232	1286	1315	245	4241	12320	1738	14058
9	NELLORE									
a)	Services released during 2020-21	Nos.	27880	6850	1110	250	6506	42596	41	42637
b)	Services as on 31-03-2021	Nos.	1104680	111732	8326	62077	187370	1474185	994	1475179
c)	Connected Load as on 31-03-2021	KW	1063333	236038	204563	633351	975488	3112773	560681	3673455
10	CHITTOOR									
a)	Services released during 2020-21	Nos.	41606	10675	7523	314	5041	65159	79	65238

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
b)	Services as on 31-03-2021	Nos.	1297885	141587	19516	47535	326289	1832812	1627	1834439
c)	Connected Load as on 31-03-2021	KW	1499759	368431	376388	224909	1840840	4310328	870294	5180622
11	KADAPA									
a)	Services released during 2020-21	Nos.	24592	6737	797	139	6368	38633	28	38661
b)	Services as on 31-03-2021	Nos.	892270	90103	7110	29186	174677	1193346	731	1194077
c)	Connected Load as on 31-03-2021	KW	907791	193513	183879	132410	1316842	2734435	418849	3153284
12	ANANTAPUR									
a)	Services released during 2020-21	Nos.	39759	8263	5548	433	26445	80448	46	80494
b)	Services as on 31-03-2021	Nos.	1212465	120941	14527	29276	303826	1681035	1011	1682046
c)	Connected Load as on 31-03-2021	KW	666317	232670	275123	151367	1970937	3296413	906692	4203104.5
13	KURNOOL									
a)	Services released during 2020-21	Nos.	38541	8070	1119	202	14303	62235	26	62261
b)	Services as on 31-03-2021	Nos.	1156173	124253	10688	23686	201475	1516275	874	1517149
c)	Connected Load as on 31-03-2021	KW	671239	221884	275036	118771	1102907	2389837	787705	3177542.8
TOTAL (SPDCL)										
a)	Services released during 2020-21	Nos.	172378	40595	16097	1338	58663	289071	220	289291
b)	Services as on 31-03-2021	Nos.	5663473	588616	60167	191760	1193637	7697653	5237	7702890
c)	Connected Load as on 31-03-2021	KW	4808440	1252535	1314990	1260809	7207014	15843787	3544221	19388008
TOTAL FOR A.P.STATE										
a)	Services released during 2020-21	Nos.	415249	86329	16037	15467	74734	607816	504	608320
b)	Services as on 31-03-2021	Nos.	15293063	1654122	111066	386173	1887110	19331534	14916	19346450
c)	Connected Load as on 31-03-2021	KW	10072486	2500665	1731986	1491893	9529095	25326125	6622508	31948633

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

Negative figures are appeared for services & connected loads due to reclassification of categories as per Tariff Orders of 2019-20 & 2020-21

APPENDIX IX- CATEGORY-WISE SERVICES AS ON 31.3.2021
(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	750276	66959	2767	19711	27200	866913	437	867350
2	VIZIANAGARAM	596196	58972	2363	11586	38650	707767	352	708119
3	VISAKHAPATNAM	1272858	143659	3509	23419	32695	1476140	1548	1477688
4	EAST GODAVARI	1545939	169740	6170	35429	49993	1807271	1121	1808392
5	WEST GODAVARI	1188204	139578	4293	26069	103962	1462106	852	1462958
	TOTAL APEPDCL	5353473	578908	19102	116214	252500	6320197	4310	6324507
6	KRISHNA	1501285	193764	9923	28151	118307	1851430	2053	1853483
7	GUNTUR	1714747	192557	12891	28710	111183	2060088	2028	2062116
8	PRAKASAM	1060085	100277	8983	21338	191768	1382451	1288	1383739
	TOTAL APCPDCL	4276117	486598	31797	78199	421258	5293969	5369	5299338
9	NELLORE	1104680	111732	8326	62077	187370	1474185	994	1475179
10	CHITTOOR	1297885	141587	19516	47535	292667	1799190	1627	1800817
11	KADAPA	892270	90103	7110	29186	174677	1193346	731	1194077
12	ANANTAPUR	1212465	124253	10688	23686	303826	1674918	874	1675792
13	KURNOOL	1156173	120941	14527	29276	201475	1522392	1011	1523403
	TOTAL APSPDCL	5663473	588616	60167	191760	1160015	7664031	5237	7669268
	TOTAL FOR A.P.STATE	15293063	1654122	111066	386173	1833773	19278197	14916	19293113
	RESCOs								
1	ANAKAPALLE	145640	10885	1122	3301	12458	173406	0	173406
2	CHIPURUPALLI	52525	3933	485	197	7257	64397	0	64397
3	KUPPAM	81060	6906	523	2956	33622	125067	0	125067
	TOTAL	279225	21724	2130	6454	53337	362870	0	362870
	TOTAL FOR A.P.	15572288	1675846	113196	392627	1887110	19641067	14916	19655983

APPENDIX -X
DISCOM - WISE ENERGY SALES
DURING 2020-21 (MU) LT & HT

Category	Units (MU)	Revenue Realised (Rs. Crs)	Average Realisation Rs./kwh
LT			
Domestic	16473.93	5706.98	3.46
Non-domestic	2462.95	2482.91	10.08
Industrial	1312.50	1050.41	8.00
Institutional/STLs CAT.IV	1272.49	964.01	7.58
Agriculture, LIS , Aqua, Poultry etc.,	12040.26	1336.60	1.11
Total LT	33562.13	11540.91	3.44
HT			
Townships & Colonies CAT.I	60.64	45.18	7.45
Commercial Cat. II & Others	1192.56	1333.56	11.18
General Industries - Cat.III	13331.60	9392.65	7.05
Institutional (Religious, Rly., PWS) Cat. IV	1489.21	1226.45	8.24
Agriculture	2199.45	1534.80	6.98
RESCOs	830.92	54.70	0.66
Total HT	19104.38	13587.34	7.11
Total LT + HT	52666.51	25128.25	4.77

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

Sl. No	District	2019-20				2020-21			
		Domestic	Agricultural	Industrial (Including cottage and H.T)	All Categories	Domestic	Agricultural	Industrial (Including cottage and H.T)	All Categories
1	Srikakulam	210	37	138	496	238	48	251	537
2	Vizianagaram	209	45	590	979	227	52	658	938
3	Visakhapatnam	364	105	901	1588	382	38	1234	1654
4	East Godavari	355	391	160	848	379	209	285	873
5	West Godavari	372	131	217	1433	397	659	406	1462
6	Krishna	449	298	296	1142	469	168	167	955
7	Guntur	387	150	371	985	416	39	253	833
8	Prakasam	267	277	287	882	290	63	203	643
9	Nellore	370	465	477	1378	386	441	417	1296
10	Chittoor	281	550	302	1187	279	400	456	1285
11	Kadapa	208	627	365	1245	294	457	267	1063
12	Anantapur	242	482	221	985	214	624	407	1283
13	Kurnool	269	429	470	1343	249	503	185	977
ANDHRA PRADESH					1203(*)				1198(*)

(*) State Per capita

APPENDIX - XII

SCHEMEWISE CAPITAL OUTLAY - APTRANSCO FOR FY 2020-21			
			(Rs. in Crores)
1	220/132/33 KV SS at Tiruvuru in krishna	SI-19-11	3.98
2	Erection of 125 MVAR 400 KV Bus Reactors	SI-19-10	39.43
5	132/33KV SS at T.Narasapuram & Lines	SI-19-08	3.32
6	132/33KV SS at Nallacheruvupalli in Kadapa	SI-19-07	8.18
7	132/33KV SS at Ananthasagaram in SPSR NE	SI-19-06	22.50
8	132/33KV Feat at 220 KV Pallantla SWT.S I	SI-19-04	4.08
9	2nd Ckt on 132KV Martur -Yadavali Line	SI-18-44	1.08
10	2nd Ckt from 132kv Pamarru-Avanigadda DC	SI-18-43	0.28
11	2nd Ckt from 132kv SS Nuzividu-Khambampad	SI-18-42	0.66
12	2nd Ckt on 132 KV Tadikonda - Gujjanagundla	SI-18-38	0.19
13	2nd Ckt from 132kv Gudur-Chendodu DC/SC I	SI-18-30	3.20
14	2nd Ckt on 132KV Repalle-Bapatla DC/SCLN	SI-18-29	0.28
15	2nd Ckt on 132KV Repalle-Chakrapalem	SI-18-28	0.26
16	2nd Ckt STRNG from 220KV Podili-Darsi SS	SI-18-27	2.11
17	2nd Ckt from 220KV Podili-Lingasamudram	SI-18-26	3.30
18	2nd Ckt from 132kv Medarametla to Addank	SI-18-25	1.56
19	R/O panther cond with HTLS-Undi-Bhvrn LN	SI-18-23	6.61
20	R/O LYNX COND with HTLS-GDL-Autonagar	SI-18-22	0.96
21	Erect. of 132/33kv SS Dwaraka Tirumala W	SI-18-21	2.21
22	Erect. of 132/33kv SS Dharmajigudrm in W	SI-18-20	1.11
23	LILO of existing 132kv Bhimadole-Nidadav	SI-18-16	1.10
24	132kv Chilakalu -Nandigama DC/SC line KR	SI-18-15	0.23
25	220/33kv SS Ammavaripalli, Ananthpur DIST	SI-18-13	0.60
26	33KV feat. at 220/132KV SS Bobbili growth	SI-18-11	2.08
27	LILO OF 220Kv Tadikonda - Ongole SC line G	SI-18-08	1.42
28	33kv Feat.at 220/11kv LIS SS Purushothap	SI-18-07	2.05
29	33KV features at 220/11KV SS Pattiseema	SI-18-06	0.74
30	Erection of 220/33kv SS Akiveedu in West	SI-18-05	7.18
31	33KV FEAT. 220/33kv Bavojipeta (Korukonda	SI-18-04	1.79
32	132&33KV features - 220/11KVSS Ramavaram	SI-18-03	4.93
33	220/33kv SS at Chinturu in East Godavari	SI-18-02	1.52
34	Erection of 400 GIS ss at Thallayapalem	SI-18-01	101.36
35	220KVDC LN Lower Sileru-Rampachodavaram & BA	SI-17-26	0.90
36	Tadikonda-Marripalem LILO to Gujjanagund	SI-17-25	0.21
37	Erec.of 33kv FET.at 220/11 KV Nansuralla	SI-17-23	0.74
38	Erec.of 33kv FEAT.at 220/11KV Krishnagir	SI-17-22	0.69
39	Erec. of 132/33 kv Ulavapadu ss, Prakasam	SI-17-20	1.93
40	220kv DC line from 400 KV K.Kota - Bhimadole	SI-17-18	1.31
41	Erec. of 220 KV & 132 KV SS under VCIC	SI-17-17	37.11
42	Upgrad. 132/33 KV SS Simhachalam - 220/132 KV	SI-17-14	26.14
43	125 MVAR bus reactors at Chittoor, Satte	SI-17-07	0.73
44	132/33 KV SS AIIMS at Mangalagiri	SI-17-06	1.77
45	33 KV features at 132/33 KV Madakasira SS	SI-16-28	43.19
46	132/33 KV SS at Penumur, Chittoor Dist.	SI-15-28	69.54
47	400/220 KV SS at Podili, Prakasam Dist.	SI-14-07	21.20
48	132/33 KV SS at Srikakulam town, SKLM DisT.	SI-14-04	0.36
49	132/33 KV SS at Vinjamur, Nellore District	SI-14-01	0.11
50	132/33kv Ramasamudram SS, Chittoor Dist.	SI-13-08	7.44
51	220/132 KV SS at Dharmavaram, ATP Dist	SI-12-17	11.99
52	132/33 KV SS at Pachikapallam, Chittoor	SI-12-15	2.12
53	33 KV features at 220 KV Rentachintala SS	SI-12-10	0.35
54	220 KV DC line from Gunadala to Nunna	SI-12-03	7.41
55	132/33 KV SS at Yernagudem, WG Dist.	SI-11-06	0.51
56	220 KV DC line from Manubolu - Sullurpet	SI-11-04	0.13
57	132/33 KV G.Ghodavaram SS & Lines	SI-11-01	3.14
58	132/33 KV SS at Narayanapuram, WG Dist.	SI-10-07	1.86

59	Erection of Chigurukota 132 KV SS Krishna	SI-10-02	0.11
60	Erection of Narasapuram 132 KV SS Krishna	SI-10-01	0.31
61	960 MW Hydal Power Project at Polavaram	PE-18-01	26.15
62	500 MW Solar Power Project - APGENCO, ATP	PE-16-02	4.82
63	PE Solar Power evacu 400kv Gani KNL Dis	PE-15-01	1.15
64	Rayalaseema (stage-iv) power trans.scheme	PE-12-04	0.67
65	Wind Power eavcu PH-II ATP KDP KNL	PE-12-03	109.21
66	PE Wind Power EVAC ATP KDP and KNL Dist	PE-12-02	27.41
67	PE HNPCL Power evacu and TR Scheme	PE-12-01	3.80
68	AUG of PTR - TOO.MS.No.1292, dt.15.11.19	AG-19-08	34.08
69	400 KV Aug Sch-VIII (3rd 500 MVA at Maradam	AG-18-03	5.94
70	AUG of PTRS at 10 nos. SSs, mS.no.747	AG-18-01	0.46
71	AUG of 4th 500 MVA PTR at 400 KV Manubolu	AG-17-05	0.85
72	8 Nos. Aug PTRs -3 Zones- TOO 600, 31.10.17	AG-17-04	1.03
73	Aug of PTR at 8 Nos. EHT SSs, MS.No.684	AG-17-03	0.46
74	Aug PTRs at 6 SSs at KDP Zone-WB TOO 364	AG-16-14	9.60
75	Aug of PTR Capacity at EHT SS, MS.No.369	AG-16-09	13.16
76	Aug of PTR at VJW, VSP, KDP zone MS.No.311	AG-16-05	0.25
77	1 no. 500 MVA T/F at Kalpaka 400 KV	AG-16-04	5.16
78	Aug of PTR at VJWD & VSP Zones MS.No.219	AG-16-02	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
			1077.89

Appendix - XIII
CONSOLIDATED BALANCE SHEET (T+D(EPDCL+SPDCL & CPDCL))
CONSOLIDATED BALANCE SHEET FOR THE YEAR 2020-21

(Rs. in Crores)

Schedule Note	Transco	EPDC	CPDCL	SPDC	As at 31st march 2021
NET ASSETS :					
Net Fixed Assets					
Gross Block	14551.35	6527.52	7314.39	12901.61	41294.87
Less: Accumulated Depreciation	(5753.18)	(1800.11)	(3423.39)	(6652.44)	-17629.12
Net Fixed Assets	8798.17	4727.41	3891.00	6249.17	23665.75
Capital Expenditure in progress	2709.10	368.83	1010.51	1851.68	5940.12
Asset not in use					0.00
Deferred Costs/ Deferred Tax Asset	0.00	0.00	0.00	0.00	0.00
Intangible Assets	560.27	210.14	19.48	240.29	1030.18
Investments	116.50	237.82	102.38	184.55	641.25
Net Current Assets					0.00
Total Current Assets	3123.14	12326.62	9003.84	22838.02	47291.62
Less: Total Current Liabilities					0.00
Security Deposits from Consumers	0.00	2156.60	0.00	1909.04	4065.64
Other Current Liabilities	2619.65	8702.42	9118.75	19386.96	39827.78
Total Current Liabilities	2619.65	10859.02	9118.75	21296.00	43893.42
Net Current Assets	503.49	1467.60	(114.91)	1542.02	3398.20
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 :	12687.53	7011.80	4908.46	10067.71	34675.50
FINANCED BY:					
Borrowings for working capital	1112.10	162.53	443.09	3889.97	5607.69
Payments due on Capital Liabilities	0.00	0.00	0.00	0.00	0.00
Capital Liabilities					0.00
Long term Provisions	858.27	868.51	1257.75	1913.23	4897.76
Other Long term Liabilities	5427.35	7877.09	8417.22	11491.83	33213.49
Funds from State Government/grants	371.37	87.86	0.00	9.48	468.71
GOAP equity	454.44	121.23	0.10	358.72	934.49
towards cost of Capital Assets	1321.14	5324.00	1687.48	3847.94	12180.56
Reserve and Reserve Funds	1496.53	222.79	2509.90	317.12	4546.34
Deferred Tax Liability	17.16	2.20	0.00	0.00	19.36
Surplus	1629.17	(7654.41)	(9407.08)	(11760.58)	(27192.90)
TOTAL FUNDS	12687.53	7011.80	4908.46	10067.71	34675.50

Appendix -XIV

Consolidated Profit and Loss Account for the year 2020-21

(Rs. in Crores)

Particulars	TRANSCO	EPDCL	CPDCL	SPDCL	Total (D)	Total (T+D)
<u>A.Revenue</u>						
Revenue from Sale of Power	0.00	10481.35	6960.85	13171.10	30613.30	30613.30
Transmission & SLDC charges-Discoms	0.00	0.00	186.63	0.00	186.63	186.63
Transmission & SLDC charges (Annual fee,Open Access)	2546.34	0.00	0.00	0.00	0.00	2546.34
Inter State Sale of Power/UI Charges	0.00	0.21	0.14	0.23	0.58	0.58
Capital Contributions	68.43	236.93	203.39	187.14	627.46	695.89
Less: Electricity Duty	0.00	105.45	62.90	81.46	249.81	249.81
	2614.77	10718.49	7288.11	13277.01	31178.16	33792.93
Revenue Subsidies and Grants	0.00	3018.26	1631.89	5615.29	10265.44	10265.44
Other Income	119.39	1854.67	370.05	989.78	3214.50	3333.89
Total Revenue :	2734.16	15485.97	9290.05	19882.08	44658.10	47392.26
<u>B.Operating expenses</u>						
Purchase of Power	0.00	10958.72	7021.95	15309.89	33290.56	33290.56
Transmission & SLDC Charges	0.00	0.00	0.00	0.00	0.00	0.00
Repairs & Maintenance	209.49	243.38	141.73	252.28	637.39	846.88
Employee Costs	1124.55	3297.83	970.47	2646.91	6915.21	8039.76
Administration & General Expenses	84.51	90.35	89.10	117.33	296.78	381.29
Depreciation	727.27	319.58	437.03	708.64	1465.25	2192.52
Incentive to HT Consumers	0.00	0.00	0.00	0.00	0.00	0.00
Interest and Finance Charges	622.73	627.85	681.40	1051.00	2360.25	2982.98
Sub-Total	2768.55	15537.71	9341.68	20086.05	44965.44	47733.99
Less: Expenses Capitalised						
R&M, Employee Costs,Adm,etc	90.95	84.83	39.55	115.80	240.18	331.13
Interest and Finance Charges	116.98	0.00	16.07	89.76	105.83	222.81
	207.93	84.83	55.62	205.56	346.01	553.94
Other debits (Misc.write offs etc.)	0.17	0.00	0.00	0.00	0.00	0.17
Expenditure on cyclone works (Net)	0.00	0.00	0.00	0.00	0.00	0.00
Sub-Total	0.17	0.00	0.00	0.00	0.00	0.17
Total Expenditure	2560.79	15452.88	9286.06	19880.49	44619.43	47180.22
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	173.37	33.09	3.99	1.59	38.67	212.04
Extraordinary item	0.00	0.00	0.00	0.00	0.00	0.00
MAT Credit entitlement of earlier years	57.21	0.00	0.00	0.00	0.00	57.21
Provision for Income Tax & FBT	49.71	-6.84	1.33	0.00	-5.51	44.20
Provision for Deferred Tax	149.97	0.00	0.00	0.00	0.00	149.97
Profit/(Loss) After Tax	216.41	39.93	2.66	1.59	44.19	75.08
Net Surplus (+)/Loss(-)	216.41	39.93	2.66	1.59	44.19	260.60

Appendix -XV

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

(Rs. in Crores)

Particulars	This Year 2019-20 T&D (EPDCL,SPDCL)	This Year 2020-21 T&D (EPDCL, SPDCL& CPDCL)
Balance brought forward from last year	(27411.15)	(27453.50)
Surplus/(Deficit) from Revenue Account	(36.23)	260.6
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	(27447.38)	(27192.90)

ABBREVIATIONS

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