POWER DEVELOPMENT
IN
ANDHRA PRADESH
(STATISTICS)

2019-20

TRANSMISSION CORPORATION OF ANDHRA PRADESH LIMITED

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F O R E W O R D

APTRANSCO is happy to bring out its statistical treatise **"Power Development in Andhra Pradesh (Statistics) 2019-20".** It is the Twentieth edition published post power sector reforms in Andhra Pradesh and Sixth 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) 2019-20" is prepared with the intention to be of use to the concerned people in the sector and for those interested in.

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

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CMD, APTRANSCO

Signed by SRIKANT NAGULAPALLI
Date: 04-02-2022 20:10:59
Reason: Approved

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1. SALIENT FEATURES

SALIENT FEATURES OF APTRANSCO, APGENCO, and DISCOMs as on 31.03.2020

S.No.	I t e m	Unit	As on 31-03-2019	Achievement in 2019-20	As on 31-03-2020
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		1600.000
5	GGPP(Jegurupadu (GVK))	MW	216.820		216.820
	TOTAL STATE SECTOR	**MW**	**7429.846**		**7429.846**
b)	**Joint Sector**				
1	Gas (A.P.G.P.C.L) Gov Share 58.8 MW *58.32%	MW	**34.29**		**34.290**
c)	**Private Sector**				
1	IPPs	MW	1888.422	520.000	2408.422
2	Small Hydro	MW	102.598	0.000	102.598
3	Wind	MW	4077.565	2.000	4079.565
4	Co-Generation (Biomass+ Biomass Co-generation & Bagasse Co-generation)	MW	439.350	10.300	449.650
5	Mini power plants	MW	17.200	0.000	17.200
6	Others (Iso-gas Wells+Waste heat)	MW	40.160	0.000	40.160
7	Solar	MW	2625.130	491.500	3116.630
	TOTAL PRIVATE SECTOR	**MW**	**9190.425**	1023.800	**10214.225**
d)	**Share from Central Sector**				
1	N.T.P.C Ramagundam -(1-6)	MW	414.230	0	414.370
2	N.T.P.C Ramagundam -7	MW	103.120	0	103.120
3	N.T.P.C.Talcher Stage II (Units 3,4,5&6)	MW	225.600	0	225.600
4	Simhadri TPS (NTPC) -Stg 1	MW	461.100	0	461.100
5	Simhadri TPS (NTPC) -Stg 2	MW	259.200	0	259.200
6	Neyveli (Tamilnadu)stage-I	MW	47.640	0	47.650
7	Neyveli (Tamilnadu)stage-II	MW	86.800	0	86.880
8	Vallur Stage 1,2 & 3	MW	87.930	0.02	87.950
9	Tuticorin , Tamilanadu	MW	123.220	0	123.220
10	M.A.P.P (Tamilnadu)	MW	18.400	0	18.400
11	Kaiga Nuclear power plant I & II	MW	56.250	0	56.250
12	Kaiga Nuclear power plant III & IV	MW	59.950	0	59.950
13	Kudankulam Unit1	MW	0.000	0	0.000
14	NTPC (Kudgi)	MW	384.720	0	384.720
15	Westren Region bundled Power	MW	75.000	100	175.000
16	New Neyveli Thermal power station (NNTPS)	MW		26.4	26.400
	TOTAL SHARE FROM CENTRAL SECTOR	**MW**	**2403.160**	126.65	**2529.810**
	Grand Total (State + Private + Central)	**MW**	**19057.721**	**1150.45**	**20208.171**

SALIENT FEATURES OF APTRANSCO, APGENCO, and DISCOMs as on 31.03.2020

2.	**Length of Lines**				
a)	400 kV	Ckm	5310.53	0.00	5310.53
b)	220 kV	Ckm	11432.01	254.94	11686.95
c)	132 kV	Ckm	11237.69	197.79	11435.48
d)	33 kV	km	26262	1032.00	27294.00
e)	11 kV	km	235630	12260.00	247890.00
f)	L.T.	km	343678	8242.00	351920.00
	TOTAL	**Ckm**	**633550.23**	**21986.73**	**655536.96**
3.	**Sub-Stations :**				
a)	400 kV	Nos.	15	0	15
b)	220 kV	Nos.	98	3	101
c)	132 Kv	Nos.	212	7	219
d)	33 kV	Nos.	3034	89	3123
	TOTAL	**Nos.**	**3359**	**99**	**3458**
4.	**Distribution Transformers**	**Nos.**	**949799**	**70840**	**1020639**
S.No.	**I t e m**	**Unit**	**As on 31-03-**	**Achievement in 2019-20**	**As on 31-03-2020 (Provl)**
5.	**Electrification of Towns, Villages, Hamlets, etc. (As per 2011 Census)**				
	EXISTING				
a)	Towns	Nos.	195		195
		%	100%		100%
b)	Villages	Nos.	16158		16158
		%	100%		100%
c)	Hamlets 24001	Nos.	23475		23475
		%	97.81%		97.81%
d)	Dalitwadas 37402	Nos.	36312		36312
		%	97.09%		97.09%
e)	Weaker Section Colonies 22378	Nos.	21725		21725
		%	97.08%		97.08%
f)	Tribal Hamlets/ Habitations 6084	Nos.	5812		5812
		%	95.61%		95.53%
6.	**Consumers served**				
A)	**L.T.Category**				
a)	Domestic -I	Nos.	14799199	631135	14904878
b)	Non-domestic/Commercial-II	Nos.	1465736	113323	1564086
c)	Industrial -III	Nos.	163809	12855	94904
d)	Cottage Industries- IV	Nos.	18899		
e)	Agricultural (Including RESCOs) -V	Nos.	1807100	65576	1812376
f)	Public Lighting / Local Bodies -VI	Nos.	107895	2575	418741
g)	General Purpose -VII	Nos.	129997		
h)	Temporary -VIII	Nos.	3098		
	L.T.Total (a to h)	Nos.	**18362638**	825464	**18794985**
B)	**H.T.Total**	**Nos.**	**10513**	1069	**14321**
	Grand Total (A+B)	**Nos.**	**18373151**	436155	**18809306**

SALIENT FEATURES OF APTRANSCO, APGENCO, and DISCOMs as on 31.03.2020

7.	**Connected Load**				
A)	**L.T.Category**				
a)	Domestic -I	MW	14375.84	76	14451.38
b)	Non-domestic/Commercial-II	MW	3286.02	261	3547.07
c)	Industrial -III	MW	5921.72		2524.33
d)	Cottage Industries- IV	MW	116.53		
e)	Agricultural (Including RESCOs) -V	MW	8156.1	3031	11187.26
f)	Public Lighting / Local Bodies -VI	MW	870.11		
g)	General Purpose -VII	MW	1150.62	48	2238.37
h)	Temporary -VIII	MW	169.32		
	L.T.Total (a to h)	MW	34046.26		33948.41
B)	**H.T.Total**	MW	9363.78		7395.44
	Grand Total (A+B)	**MW**	**43410**		**41343.85**
			During 2018-19		**During 2019-20**
8	**Energy from APGENCO**				
	1. Thermal	MU	22360.83		22469.98
	2. Hydel	MU	2680.45		3529.60
	TOTAL	MU	**25041.28**		**25999.58**
	Energy from others	MU	38102.28		36923.11
	Total Energy (8+9)	MU	**63143.56**		**62922.69**
9	**Energy Sales category-wise:**		**During 2018-19**	**% growth**	**During 2019-20**
A)	L.T.Category				
a)	Domestic -I	MU	14014.21	11.18	15580.7
b)	Non-domestic/Commercial-II	MU	2967.53	5.11	3119.24
c)	Industrial -III	MU	4009.63		1416.22
d)	Cottage Industries- IV	MU	46.96		
e)	Agricultural (Including RESCOs) -V	MU	12012.26	18.98	14292.23
f)	Public Lighting / Local Bodies -VI	MU	984.03		
g)	General Purpose -VII	MU	167.96	22.18	1202.25
h)	Temporary -VIII	MU	1.98		
	L.T.Total	MU	**34204.56**	4.11	**35610.64**
B)	H.T.Recorded sales	MU	20745.78		20505.67
C)	Total (L.T + H.T)	MU	**54950.34**	2.12	**56116.31**
10	Total Sales by Discoms including wheeling	MU	55315.84		56581.78
11	Transmission losses	%	3.10		2.91
12	Distribution losses	%	9.58		10.59
13	T & D Losses	%	12.93		13.02
14	Maximum demand during the year	MW	9453 (14/10/2018)		10207 (18.03.2020)
15	Per capita consumption	Kwh	1234		1203
16	**Revenue**				
a)	By sale of Power	Rs. Crores	26596.22		27814.48
b)	By sale of Power-inter state	Rs. Crores	774.07		10.92
c)	Transmission,SLDC,/Miscellaneous/Others	Rs. Crores	4241.54		5412.16
d)	Subsidy/Grants	Rs. Crores	6193.74		9700.88
	Total (a+b+c+d)	Rs. Crores	37805.57		42938.44
17	Capital Expenditure (TRANSCO)	Rs. Crores	1966.89		1387.65

Note:1) From FY 2019-20 onwards

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

(ii) Consumer Cateogories of Public Lightinng, General Purpose & Temporary are merged and named as Intitutional Category.

2) Consumers Served and related Connected load were reconciled.& updated as on 31-03-2020.

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)	Gene-ration (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	**5709.16***	**1750.85**	**9192.51**	**16652.52**		**7965**	**171.82**
31	As on 31.03.2018	**6847.32****	**2330.55**	**8867.43**	**18045.30**		**8983**	**178.21**
32	As on 31.03.2019	**7464.14**	**2403.16**	**9190.42**	**19057.72**		**9453**	**185.06**
33	As on 31.03.2020	**7464.14**	**2529.81**	**10214.22**	**20208.172**		**10207**	**191.10**

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	2017-18	31.03.2018	1	3	14	0	132	150	955	484	629	0	1024	8312	6475	17879
28	2018-19	31.03.2019	4	6	7	0	51	68	0	399	517	0	435	9617	16634	27602
29	2019-20	31.03.2020	0	3	7	0	89	99	0	255	198	0	1032	12260	8243	21988

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, Yeddumailaram, A.P.Carbides, Paloncha, Bhimadole, Ramagundam and Warangal 132 KV SSs are upgraded to 220 KV.
4) In 2 Annual Plans Garividi (90-91) and Kalikiri (91-92) 132 KV SSs are upgraded to 220 KV.
5) In 8th Plan Yerraguntla, Kalwakurthy, Nandyal, Ananthapur, Renigunta, Moulali and Chillakallu 132 KV SSs are upgraded to 220 KV.
6) In 9th Plan Kakinada, Siddipet, Karimnagar(1997-98), Waddekothapally, Nidadavolu(1998-99), Nirmal(1999-2000) 132KV SS's are upgraded to 220 KV Bheemgal, Medchal, Tandur, Minpur(2000-01)), Waddekothapally, Nidadavolu(1998-99), Nirmal(1999-2000) and 220 KV Chinakampally Sw.Stn is converted in to Conventional SS(2000-01)
7) In 9th Plan all lines (400kV to L.T) reconciled.
✧ 8) In 2001-02 33kV, 11kV and L.T line lengths are reconciled 9)In 10th plan 1no .Shivarampally SS is upgraded to 220kV SS.
Data for residual AP

2.3 PROGRESS UNDER FIVE YEAR PLANS - RURAL ELECTRIFICATION

(Figures in Nos.)

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

* As per 2001Census

From 10th Plan onwards AGL pumpsets includes RESCO services

Figures indicate for residual AP

2.4 PROGRESS UNDER FIVE YEAR PLANS : FIXED ASSETS AND REVENUE

(Rs. in Crores)

S. No.	Plan	As on	Gross Block Fixed Assets	Accumulated Depreciation	Gross Revenue
1	Up to 1961	31.03.1961	27.95	-	6.78
2	3rd Plan	31.3.1966	89.52	15.78	18.00
3	3 Annual Plans	31.3.1969	163.46	29.37	29.85
4	4th Plan	31.3.1974	281.23	66.59	56.70
5	5th Plan	31.3.1978	610.62	470.59	124.72
6	2 Annual Plans	31.3.1980	819.94	185.76	174.94
7	6th Plan	31.3.1985	1463.05	323.59	520.37
8	7th Plan	31.3.1990	2547.39	708.53	1015.98
9	2 Annual Plans	31.3.1992	6642.72	1570.48	2935.08
10	8th Plan	31.3.1997	6847.89	2143.57	4408.94
11	9th Plan	31.3.2002	7622.83	2899.84	8839.92
12	10th Plan (2002-03)	31.3.2003	8757.32	3398.44	10088.67
13	10th Plan (2003-04)	31.3.2004	9907.31	3968.30	10981.24
14	10th Plan (2004-05)	31.3.2005	11298.05	4622.70	11589.49
15	10th Plan (2005-06)	31.3.2006	13049.24	5410.97	12361.53
16	10th Plan (2006-07)	31.3.2007	14377.13	6285.65	13947.03
17	11th Plan (2007-08)	31.3.2008	16865.07	7087.73	16902.20
18	11th Plan (2008-09)	31.3.2009	18951.80	8157.78	23069.48
18	11th Plan (2009-10)	31.3.2010	21580.70	9378.55	24508.64
19	11th plan (2010-11)	31.3.2011	24173.95	10749.05	28188.55
20	11th plan (2011-12)	31.3.2012	26800.63	12282.43	34620.43
21	12th plan (2012-13)	31.3.2013	29999.95	13957.33	35847.47
22	12th plan (2013-14)	31.3.2014	33062.94	15807.45	39900.26
23	12 th plan (2014-15)	31.03.2015	24929.92	9640.16	23899.00
24	12 th plan (2015-16)	31.03.2016	30822.05	10879.89	24875.26
25	12 th plan (2016-17)	31.03.2017	26967.05	12280.57	26749.09
26	2017-18	31.03.2018	28600.38	11480.38	32798.09
27	2018-19	31.03.2019	33792.97	13301.12	37566.15
28	2019-20	31.03.2020	37786.20	15453.69	42938.44
	* From 1999-2000 ,A.P.TRANSCO + DISCOMS				

2.5 OUTLAY ON POWER DEVELOPMENT IN A.P

(Rs. Crores)

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

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

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

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

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

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

3. SIXTH AND SEVENTH FIVE YEAR PLANS

3.1 ACHIEVEMENTS IN SIXTH FIVE YEAR PLAN - FINANCIAL

(Rs.in Crores)

S.No.	Category	VI Plan Approved	1980-81 Expenditure	1981-82 Expenditure	1982-83 Expenditure	1983-84 Expenditure	1984-85 Expenditure	Total Expenditure
A)	**PLAN**							
	A.P.S.E.BOARD							
	Generation	230.00	42.18	44.72	31.03	53.99	78.15	250.07
	Transmission	240.00	31.93	42.83	35.81	27.69	21.07	159.33
		☆ 170.65						
	Distribution	90.38	10.58	16.47	17.77	13.75	23.83	82.40
	Rural Electrification	130.00	29.32	16.37	29.31	9.61	20.01	104.62
	Survey & Investigation	1.00	0.11	0.19	0.21	0.20	0.20	0.91
	Total A.P.S.E.BOARD	**520.73**	**114.12**	**120.58**	**114.13**	**105.24**	**143.26**	**597.33**
B)	**GOVERNMENT**							
	Srisailam 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)	Pumpsets energised	No.	39522	50182	53302	46424	60561	249991
d)	Dalitwadas electrified	No.	2075	2250	2639	1678	1578	10220
e)	Weaker section colonies electrified	No.	--	--	319	209	290	818

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

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

S.No.	Head/ Sub-Head of Development	Approved Outlay for 7th Five year Plan (1985-90)	1985-86 Expen-diture	1986-87 Expen-diture	1987-88 Expen-diture	1988-89 Expen-diture	1989-90 Expen-diture	Total Expen-diture for the 7th Five year Plan
A.	**A.P.S.E.BOARD**							
	1. Generation	431.24	73.95	81.80	109.30	131.17	122.30	518.52
	2. Transmission	294.80	27.11	28.97	28.40	28.56	36.64	149.68
	3. Distribution	221.10	33.74	45.72	44.34	45.87	50.77	220.44
	4. Rural Electrification	105.55	17.29	16.84	16.70	12.89	8.23	71.95
	5. Survey & Investigation	2.21	0.23	0.27	0.19	0.32	0.38	1.39
	TOTAL APSEB PLAN	**1054.90**	**152.32**	**173.60**	**198.93**	**218.81**	**218.32**	**961.98**
B.	**GOVERNMENT**							
	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.	I t e m	Unit	Target for 7th plan approved by Plg. Commission	1985-86	1986-87	1987-88	1988-89	1989-90	Total for 7th plan
I	**State Sector**								
1	Nagarjunasagar Pumped Storage HES Stage-III (3rd unit 100 MW)	MW	100.80	100.80	--	--	--	--	100.80
2	Srisailam HES Stage-II (3 x 110 MW)	MW	330.00	110.00	220.00	--	--	--	330.00
3	Pochampad HES (3 x 9 MW)	MW	27.00	--	9.00	18.00	--	--	27.00
4	A.P.Power House at Balimela (2 x 30 MW)	MW	60.00	--	--	--	--	--	--
5	Penna Ahobilam HES (2 x 10 MW)	MW	20.00	--	--	--	--	--	--
6	Nagarjunasagar Right Canal HES - 3rd unit (30 MW)	MW	30.00	--	--	--	--	--	--
7	Nagarjunasagar Left Canal HES (2 x 30 MW)	MW	60.00	--	--	--	--	--	--
8	Mini/Small Hydel Schemes (1.5 MW)	MW	1.50	0.22	--	1.79	--	--	2.01
9	Vijayawada TPS - Stage-II (1st unit 210 MW)	MW	210.00	--	--	--	--	210.00	210.00
	Total State Sector	MW	839.30	211.02	229.00	19.79	--	210.00	669.81
	Central Sector Share								
1	Ramagundam Unit - IV & V	MW		--	--	--	278.00	--	278.00
2	Ramagundam Unit - VI	MW		--	--	--	--	140.00	140.00
3	MAPP (Kalpakam)	MW		40.00	--	--	--	--	40.00
4	Neyveli Stage II Unit - I	MW		--	32.00	--	--	--	32.00
5	Neyveli Stage II Unit - II	MW		--	--	65.00	--	--	65.00
	Total Central Share	MW		**40.00**	**32.00**	**65.00**	**278.00**	**140.00**	**555.00**
	Total Capacity Addition	MW		**251.02**	**261.00**	**84.79**	**278.00**	**350.00**	**1224.81**
	Installed Capacity	MW		**3576.92**	**3837.92**	**3922.71**	**4200.71**	**4550.71**	**5775.52**

(Contd. ..)

3.4 ACHIEVEMENTS IN SEVENTH FIVE YEAR PLAN - PHYSICAL

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

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

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

4.1 ANNUAL PLAN 1990-91

(Rs.in Lakhs)

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

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

PHYSICAL

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

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

4.3 ANNUAL PLAN : 1991 - 92

Rs. in lakhs

S.No.	Name of the Scheme	Capacity MW	PLAN PROVISION		Actual Expenditure
			Budget Estimate	Revised Estimate	
A.	**NORMAL PLAN**				
1.	**Generation**				
a)	**Continuing Schemes**				
1	Srisailam 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	Srisailam Left Bank HES		4500	5500	6097
10	Mini/ Small Hydel Schemes		200	400	502
11	Vijayawada TPS Stage-II	2x210	200	1400	788
12	Rayalaseema TPP	2x210	8000	8000	8016
	(P F C)				5115
13	Vijayawada TPS - Stage III	2x210	2000	2000	5021
	(P F C)				6000
14	Vijayawada TPS Stage - I		--	--	-2
15	Donkarai Power House		--	--	-10
	Sub - Total (a)		**17323**	**18420**	**21367**
	(P F C)				**11115**
b)	**New Schemes**				
1	Singur HES	2x7.5	100	12	5
	Sub - Total (b)				5
c)	**Renovation Schemes**				
1	Kothagudem TPS - 1st Phase		180		--
	(P F C)				284.00
2	Kothagudem TPS - 2nd Phase		604	125	--
3	Ramagundam TPS - `B' Station		---		21
4	Nellore TPS		200		68
	(P F C)				4
	Sub - Total (c)		984	125	89
	(P F C)				288
I.	Total Generation (a+b+c)		18407	18557	21461
	(P F C)				11403
II.	Transmission		7000	7500	7322
	(P F C)				3468
III.	Distribution & System Improvements		9000	8000	6060
	(P F C)				1000
IV.	Rural Electrification		2450	3129	2529
V.	Survey and Investigation		81	53	62
A.	Total Plan (I to V)		36938	37239	37434
	(P F C)				15871
B.	Cyclone Reconstruction Project		2093	2093	3949
	TOTAL PLAN (A+B)		**39031**	**39332**	**41383**
C.	Additionality (PFC)				15871
D.	OUTSIDE PLAN				10860
	Total A+B+C+D		**39031**	**39332**	**68114**

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

Rupees in lakhs.

Sl.No	Scheme	Eighth Plan (Provision)	Actual Expenditure					Total
			1992-93	1993-94	1994-95	1995-96	1996-97	
a)	**NORMAL PLAN**							
I	**GENERATION**							
	ON-GOING SCHEMES							
1.	Srisailam 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.	Srisailam Left Bank HES (6x150 MW) (EAP)	72950	3098	4143	27276	45069	34744	114330
					8184			8184
10.	Singur HES (2x7.5 MW).	2429	392	130	85	753	119	1479
					777	111	+3.00	891
11.	Mini/ Small Hydel Scheme	787	393	177	127	117	4	818
12.	Kothagudem TPS Stage-V (2 x 210 MW)		6505	1681	800	9939	2000	20925
					3091	38962	21605	63658
13.	Vijayawada TPS-Stage-II (2x210 MW)	850	851	249	180	70	16	1366
14.	Rayalaseema TPS Stage-I (2 x 210 MW)	39704	15839	19032	7500	3970	13183	59524
			3147		3035			6182
15.	Vijayawada TPS Stage-III (2 x 210 MW)	35491	5550	6403	4000	2695	550	19198
			10271	16169	11990		116	38546
	Sub Total (On going Schemes)	155999	37921	33154	55507	102068	72379	301032
			13418	16169	27377	39073	21724	117761

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

Rupees in lakhs.

Sl.No.	Scheme	Eighth Plan Provision	Actual Expenditure					Total
			1992-93	1993-94	1994-95	1995-96	1996-97	
NEW SCHEMES :								
16.	Visakhapatnam TPS (2 x 500 MW) Stage -I	3149.00	25.00	315.00	51.00	--	--	391.00
17.	Krishnapatnam TPS (2 x 250 MW)		10.00	127.00	--	727.00	14.00	878.00
						+12.00	+128.00	+140.00
18.	Ramagundam TPS Extension (2x210 MW)		--	--	--	0.00	--	0.00
						+1.00	--	+1.00
19.	Jurala HES (6x36.9 MW) A.P Share 50%		11.00	8.00	11.00	13.00	18.00	61.00
20.	Gas Based TPS at Jegurupadu near Rajahmundry Stage -I (400 MW).		--	--	400.00	--	--	400.00
21.	Wind Format Ramagiri		--	121.00	415.00	1.00	--	537.00
22	Hydro Metro Project (650 MW)		--	--	--	--	423.00	423.00
SUB-TOTAL (NEW SCHEMES)		3149.00	46.00	571.00	877.00	741.00	455.00	2690.00
						+13.00	+128.00	+141.00
SUB-TOTAL - I (GENERATION)		159148.00	34820.00	33725.00	40997.00	63736.00	51229.00	224507.00
		41500.00	+13418.00	+16169.00	+27377.00	+39086.00	+21852.00	+117902.00
II	**R & M SCHEMES :**							
THERMAL PROJECTS :								
1	Kothagudem TPS-Phase-I.	3867.00	50.00	55.00	--	--	--	105.00
2	Kothagudem TPS-Phase-II.		251.00	25.00	9.00	23.00	--	308.00
			+519.00	+136.00	+35.00			+690.00
3	KTPS 'A' life extn.		--	--	--	--	--	--
4	Programme						+1901.00	+1901.00
5	Ramagundam TPS-B Station		4.00	--	3.00	8.00	5.00	20.00
		+9023.00			+1.00			+1.00
6	Nellore TPS.		69.00	20.00	3.00	--	--	92.00
			+12.00	+2.00	+3.00			+17.00
HYDEL PROJECTS :								
1	Machkund.		--	--	--	--	--	--
2	Nizamsagar		--	--	--	--	--	--
3	Srisailam.		--	0.00	103.00	0.00	--	103.00
				+77.00		+48.00		+125.00
4	Lower Sileru.		--	--	40.00	16.00	--	56.00
SUB-TOTAL - II (R & M)		3867.00	374.00	100.00	158.00	47.00	5.00	684.00
		9023.00	+531.00	+215.00	+39.00	+48.00	+1901.00	+2734.00

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

Rupees in lakhs.

Sl.No.	Scheme	Eighth Plan Provision	Actual Expenditure					Total
			1992-93	1993-94	1994-95	1995-96	1996-97	
III	TRANSMISSION.	45000.00	8397.00	5593.00	4580.00	5931.00	3316.00	27817.00
		+15000.00	+5888.00	+6741.00	+9574.00	+4026.00	+2780.00	+29009.00
IV	DISTRIBUTION AND SYSTEM IMPROVEMENT	65000.00	11341.00	12491.00	9000.00	7135.00	7727.00	47694.00
		+10000.00	+915.00	+2809.00	+13699.00	+2655.00	+5202.00	+25280.00
V	RURAL ELECTRIFICATION.	11000.00	2100.00	1632.00	3000.00	2988.00	2623.00	12343.00
VI	SURVEY AND INVESTIGATION	500.00	75.00	89.00	110.00	111.00	68.00	453.00
a)	**SUB-TOTAL I to VI (Plan) (I TO VI)**	**284515.00**	**57107.00**	**53630.00**	**57845.00**	**79948.00**	**64968.00**	**313498.00**
	SUB-TOTAL I to VI (Additionalily)	75523.00	+20752.00	+25934.00	+50689.00	+45815.00	+31735.00	+174925.00
	SUB-TOTAL I to VI	**360038.00**	**77859.00**	**79564.00**	**108534.00**	**125763.00**	**96703.00**	**488423.00**
b)	Cyclone Emergency Reconstruction Project (CERP).	14047.00	6262.00	6389.00	--	--	--	12651.00
c)	OUT SIDE PLAN		7541.00	15606.00	13151.00	11128.00	5103.00	52529.00
	Grand Total	**374085.00**	**91662.00**	**101559.00**	**121685.00**	**136891.00**	**101806.00**	**553603.00**

4.5 ACHIEVEMENTS IN EIGHTH FIVE YEAR PLAN - PHYSICAL

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

(Contd.,)

4.5 ACHIEVEMENTS IN EIGHTH FIVE YEAR PLAN - PHYSICAL

S.No.	Name of the Project (District)	Unit	Proposed Target for 8th plan	1992-93		1993-94		1994-95		1995-96		1996-97		Total	
II	**Units Generated**														
i)	Units Generated	MU	104600	17872		19272		20529		21765		24690		104128	
ii)	Units Purchased	MU	33189	7197		8593		9456		8732		8993		42971	
iii)	Gross Energy	MU		25069		27865		29985		30497		33683		147099	
iv)	Units sold with in the State	MU	108006	19227		21250		23029		23443		20923		107872	
v)	Units Exported	MU		195		140		15		23		63		436	
III	**Transmission & Distribution**														
a)	400 KV SS	Nos.	1	-		-		-		-		-		-	
b)	220 KV SS	Nos.	17	4		4		3		3		3		17	
c)	132 KV SS	Nos.	47	12		22	(-2)	6	(-2)	1	(-2)	5	(-1)	46	(-7)
d)	66 KV SS	Nos.	-	-	(-2)	-	(-2)	-	(-1)		-	-	(-1)	-	(-6)
e)	33 KV SS	Nos.	300	67		130		75		82	(-2)	49	(+1)	403	(-1)
	Sub-total (a to e)	**Nos.**		**83**	**(-2)**	**156**	**(-4)**	**84**	**(-3)**	**86**	**(-4)**	**57**	**(-1)**	**466**	**(-14)**
f)	400 KV Lines	Ckm.	380	-		-		-		-		-		-	
g)	220 KV lines	Ckm.	2765	266		778		478		289		189		2000	
h)	132 KV lines	Ckm.	2274	550		675		261		44		188		1718	
i)	66 KV lines	Km	-	-	(-485)	-	(-14)	-		-		-	(-68)	0	(-567)
j)	33 KV lines	Km	-	1135		1097		1232		735		409		4608	
	33 KV UG Cable	Km								-		35		35	
k)	11 KV lines	Km	-	6115		5675		5200		2439		2624		22053	
	11 KV UG Cable	Km								-		244		244	
l)	LT lines	Km	-	24807		25490		20796		10519		4840		86452	
	Sub-total (f to l)	**Km**		**32873**	**(-485)**	**33715**	**(-14)**	**27967**		**14026**		**8529**	**(-68)**	**117110**	**(-567)**
	Distribution Transformers	Nos.		10715		7600		12001		10147		6185		46648	
	Services Released (Excl.Agl.)	Nos.	2676550	550318		369370		339654		508690		437855		2205887	
IV	**Rural Electrification**														
a)	Villages electrified	Nos.		-		-		-		-		-		0	
b)	Hamlets electrified	Nos.		835		792		1200		54		80		2961	
c)	Dalitwadas electrified	Nos.		1357		1395		1750		765		302		5569	
d)	Weaker Section Colonies Electrified	Nos.		1164		1216		1500		784		322		4986	
e)	Pumpsets energised	Nos.	250000	124077		102177		96160		37186		148210		507810	

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

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

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							
I	Srisailam Left Bank H.E.S	1102.12	424.49	429.07	271.26	251.33	126.48	1502.63
	Rayalaseema TPS Stage-I	20.00	8.87	12.25	1.57	1.11	3.34	27.14
	Direct payments by ADB		33.06					33.06
	Vijayawada TPS Stage-III	53.22	6.71	4.49	2.26	2.93	5.90	22.29
	KTPS Stage-V	130.00	20.00	50.19	6.04	6.98	7.16	90.37
	Vijayawada TPS Stage-II	2.00	0.16	0.00	0.03			0.19
	N.S.Pumped Storage scheme stage-II			0.08	0.16	0.42	0.10	0.76
	N.S.Right Canal H.E.S. IIIrd Unit			0.03	0.02			0.05
	N.S.Left Canal HES Scheme			0.06	0.02			0.08
	Penna Ahobilam H.E.Scheme	0.50	0.30	0.34	0.05			0.69
	Upper Sileru H.E.S. Scheme-II	1.00	0.84	0.54	0.01			1.39
	Mini Hydel Schemes	16.50	0.46	0.31		0.08	5.13	5.98
	R&M Works of KTPS	22.71	92.59	10.33	8.37			111.29
	Singur H.E.S	16.00	0.48	5.36	1.14	2.21	0.96	10.15
	Rayalaseema TPS Stage-II(2x210 MW)	244.64					5.76	5.76
	HPCL-APSEB(500 MW) Joint Venture					0.70	5.00	5.70
	Jurala HES						1.00	1.00
	SURVEY & INVESTIGATION	7.50	0.60	0.68	0.18	4.87	9.11	15.44
	Plan Total	**1616.19**	**588.56**	**513.73**	**291.11**	**270.63**	**169.94**	**1833.97**
II	**ADDITIONALITY**							
	SLBPH & RTPP Stg I	448.00			0.50	104.21	7.04	111.75
	VTPS Stg III		114.31	16.61	14.38			145.30
	KTPS'A'					13.78	39.75	53.53
	Srisailam HEScheme Stage-II(3X110 MW)			1.60		1.69	0.29	3.58
	R&M Works of KTPS					185.57	140.49	326.06
	R&M Works of NTS 30 MW Station	2.23		1.25			4.30	5.55
	R&M Works of RTS	0.63	0.02		0.01			0.03
	R&M Srisailam	2.47	0.91	14.14				15.05
	R&M Works of Lower Sileru	1.83		10.13		1.48	2.17	13.78
	VTPS R&M works	87.54	3.54	0.69	50.45	17.75	39.77	112.20
	Additionality for RTPP					0.64		0.64
	Singur HES			0.69	1.71	0.38	0.68	3.46
	Y2K (All Stations)					0.37	1.30	1.67
	NSHES flood protection wall					0.32	0.98	1.30
	Vizag TPS-Stage-I (2x500 MW)		0.32	0.21				0.53
	Krishnapatnam TPS Stage-I		0.62	0.03				0.65
	Simhadri TPS (2x500 MW)			0.82				0.82
	Jegurupadu Gas Based Stage-II (200 MW)	1.60	0.31	0.69				1.00
	Initial enabling works for other IPPS	100.00		0.82				0.82
	VTPS Stage IV						1.15	1.15
	Total Additionality	**644.30**	**120.03**	**47.68**	**67.05**	**326.19**	**237.92**	**798.87**
	TOTAL APGENCO (Plan+Additionality)	**2260.49**	**708.59**	**561.41**	**358.16**	**596.82**	**407.86**	**2632.84**

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

Rs. In.Crs

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

5.2 ACHIEVEMENTS IN NINTH FIVE YEAR PLAN - PHYSICAL

S.No.	Name of the Project (District)	Unit	Proposed target for 9th Plan	1997-98	1998-99	1999-00	2000-01	2001-02	Total
I	**Generation**								
1	**APGenco**								
1.a	Thermal:								
	Kothagudem TPS Stage V	MW	250	250	-	-	-		250
	Total Thermal	MW	250	250				0	250
1.b	Hydel:								
	Srisailam Left Bank	MW	900					300	300
	Singur Hydro project	MW	15			15			15
1.c	Mini hydel	MW					1		1
	Total Hydel	MW	915	0	0	15	1	300	316
	Total APGenco	MW	1165	250	0	15	1	300	566
2	**Joint Sector**								
	APGPCL-Vijjeswaram (W.Godavari)	MW		60	-	-	-		60
3	**Private Sector**								
3. a	Fast Track Projects								
i	GVK - Jegurupadu	MW	75.5	75.5	-	-	-		75.5
ii	Spectrum - Kakinada	MW	115.7	115.7	-	-	-		115.7
iii	Lanco(Kondapally)	MW	355				355		355
iv	BSES(Peddapuram)	MW	220					140	140
v	Gowatami(Peddapuram)	MW	464						
vi	Vemagiri	MW	370						
vii	Isolated Gas wells	MW				2.7		18.4	21.1
3. b	Non-Conventional Energy Projects								
i	Mini Hydel	MW		12	11.5	16.2	18.9	14.6	73.2
ii	Wind	MW		1.5	6	26.25	3.75	1.69	39.19
iii	Bagasse based co-generation	MW		-	9	5	-	22	36
iv	Bio-Mass based co-generation	MW					6.7	3	9.7
v	Bio-Mass based project	MW			1		28	44.5	73.5
vi	Mini-Power plants	MW				40.31		37.8	78.11
vii	Others	MW			41				41
	Total Private Sector	MW	1600.2	204.7	68.5	90.46	412.35	281.99	1058
4	Central Sector Projects								
4. a	Kaiga Nuclear plant	MW				57.5	57.5		115
4. b	Simhadri(NTPC) Vizag	MW						500	500
	Total Central Sector	MW		-12 (**)		57.5	57.5	500	615
	Total Capacity Addition	MW	2765.2	514.7	68.5	162.96	470.85	1081.99	2299
5	**Total Installed Capacity**	**MW**		**7283.60**	**7352.10**	**7515.06**	**7985.91**	**9067.90**	
6	Peak Demand	MW		5742	6480	6684	7143	7029	

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

(Contd.,)

5.2 ACHIEVEMENTS IN NINTH FIVE YEAR PLAN - PHYSICAL

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

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

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

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

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

(Rs in Crs)

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

5.4 ACHIEVEMENTS IN TENTH FIVE YEAR PLAN - PHYSICAL

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

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

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

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

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

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

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

5.7 ACHIEVEMENTS IN 11th FIVE YEAR PLAN - PHYSICAL

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

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

5.8 ACHIEVEMENTS IN 11th FIVE YEAR PLAN -FINANCIAL APTRANSCO

(Rs in Crs)

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

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

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

5.10 ACHIEVEMENTS IN 12th FIVE YEAR PLAN - PHYSICAL

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

5.11 ACHIEVEMENTS IN 12th FIVE YEAR PLAN - PHYSICAL

S No	ITEM	Unit	2017-18	2018-19	2019-20
			Achievement	Achievement	Achievement
1	**Electricity Sales**	MU	49945	54950	56116
2(I)	**Transmission Lines**				
a)	400 kV	CKM	955.04	748.64	-
b)	220 kV	CKM	484.15	399.17	254.94
c)	132 kV	CKM	628.80	517.46	179.97
2(II)	**Sub-Stations**				
a)	400 kV	Nos	1	4	-
b)	220 kV	Nos	3	6	7
c)	132 kV	Nos	14	6	8
d)	33 kV shunt capacitor banks	MVAR	64.8	122.4	14.4
e)	132 kV shunt capacitor banks	MVAR	0	0	0
3	**Distribution & SI**				
a)	33 KV Sub-stations	Nos	132	51	89
b)	Release of LT services other than agriculture	Nos	574152	598217	759888
c)	Release of HT Services	Nos	672	883	1069
4	**Rural Electrification**				
a)	Laying of conventional lines in villages already electrified with SPV Panels	Nos	0	0	0
b)	General Hamlets	Nos	0	0	0
c)	Electrification of Dalitwadas	Nos	0	0	0
d)	Electrification of Weaker section colonies	Nos	0	0	0
e)	Tribal Hamlets	Nos	0	0	0
f)	Energisation of Agricultural pumpsets	Nos	63412	86430	65576

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 Tranmission scheme	40.38	7.61		2.61		50.60
8	400 kV Kothagudem Power Transmission Scheme	0.17					0.17
9	400 kV Augmentation scheme III		14.27	4.23		13.01	31.51
10	400 kV Krishnapatnam Transmission scheme	206.99	223.76	41.68	30.32	2.93	505.68
11	Rennovation & Modernisation scheme	35.86	33.41	13.13	24.36	9.22	115.98
12	400kV Reactor scheme I & II	6.57	1.26	5.77			13.60
13	Transmission Evacuation Scheme of M/s HNPCL		10.50	6.63	158.11	138.07	313.31
14	Other Assets & Schemes		74.01	33.93	12.12	86.80	206.86
15	Wind Power Transmission Scheme			146.25	977.47	251.36	1375.08
16	Rayalaseema Thermal Plant Power Transmission scheme			7.10	94.91		102.01
17	Garividi & Pydibhimavaram Transmission system improvement			10.20	35.68		45.88
18	Chittoor Nellore Power Transmission Scheme				36.88		36.88
19	Erection of 400/220KV SS at Podili,Prakasam Dt				4.67	112.95	117.62
	Sub-Total-I	**464.08**	**673.11**	**450.30**	**1427.92**	**626.47**	**3641.88**
II) Construction Schemes							
1	Normal plan (AP Transco Funds)	4.36	38.80	6.84	151.20	263.78	464.98
2	Schemes under Bank funding	216.85	130.66	241.14	90.38	187.12	866.15
3	Schemes under PFC funding	35.83	41.92	56.56	99.79	259.54	493.64
4	Schemes under REC funding	54.39	60.02	57.77	92.69	447.52	712.39
5	DC/Bulk load works	46.05	62.21	5.81	41.73	133.86	289.66
6	GIS &UG Cable Project in HMDA Area	207.07	242.93				450.00
7	HNSS (BL&DC)			19.80	55.66	1.35	76.81
8	GKLI (BL&DC)			39.95	48.80	22.73	111.48
	Sub-Total-(II)	**564.55**	**576.54**	**427.87**	**580.25**	**1315.90**	**3465.11**
III) Others							
1	Office Equipment	2.74	5.26	3.77	5.81	15.42	33.00
2	Furniture & Fixtures	0.17	0.45	0.41	0.22	0.18	1.43
3	Buildings	-0.40	2.08	0.28	0.06	9.87	11.89
4	Communication,Meter Testing,Misc equipment	2.26					2.26
5	Vehicles	3.56					3.56
6	Plant and Machinery			6.94	4.08	80.57	91.59
7	Advance to Suppliers			1.14	5.02	17.77	23.93
8	NABARD					19.45	19.45
9	CWIP					28.6	28.60
	Sub-Total-(III)	**8.33**	**7.79**	**12.54**	**15.19**	**171.86**	**215.71**
IV) Interest During Construction (IDC) Capitalised		**98.6**	**115.53**	**78.00**	**125.09**	**186.21**	**603.43**
	Total Transmission	**1135.56**	**1372.97**	**968.71**	**2148.45**	**2300.44**	**7926.13**

5.13 ACHIEVEMENTS IN 2017-18 -FINANCIAL APTRANSCO

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

5.14 ACHIEVEMENTS IN 2018-19 -FINANCIAL APTRANSCO

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

5.15 ACHIEVEMENTS IN 2019-20 -FINANCIAL APTRANSCO

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

6. A.P.GENCO GENERATION

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

6.1 PATTERN OF INSTALLED CAPACITY IN ANDHRA PRADESH (1914-15 TO 2017-20)
STATE, PRIVATE AND CENTRAL SECTORS

Year	Unit	Installed Capacity : APGENCO			APGPCL	Installed Capacity : Private			CGS	Total
		Hydel	Thermal	Wind & Solar	Gas	Mini Hydel	IPPs & Others	Non-conven-tional		
2014-15	MW	1671.29	3148.15	2.00	34.29	89.10	1256.14	1615.30	1712.73	**9529.00**
	%	17.54	33.04	0.02	0.36	0.94	13.18	16.95	17.97	**100.00**
2015-16	MW	1671.29	3948.15	2.00	34.29	89.10	2438.53	2464.24	1795.95	**12443.55**
	%	13.43	31.73	0.02	0.28	0.72	19.60	19.80	14.43	**100.00**
2016-17	MW	1721.29	3948.15	5.43	34.29	87.44	2958.53	6146.54	1750.85	**16652.52**
	%	10.34	23.71	0.03	0.21	0.53	17.77	36.91	10.51	**100.00**
2017-18	MW	1797.60	5010.00	5.43	34.29	104.44	2122.45	6640.54	2330.55	**18045.30**
	%	9.96	27.76	0.03	0.19	0.58	11.76	36.80	12.91	**100.00**
2018-19	MW	1797.600	5010.000	405.426	34.290	102.598	2122.442	7182.205	2403.160	**19057.721**
	%	9.43	26.29	2.13	0.18	0.54	11.14	37.69	12.61	**100.00**
2019-20	MW	1797.600	5010.000	405.426	34.290	102.598	2425.622	7902.825	2529.810	**20208.171**
	%	8.90	24.79	2.01	0.17	0.51	12.00	39.11	12.52	**100.00**

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

(contd.,)

6.1 PATTERN OF POWER GENERATION IN ANDHRA PRADESH (2014-15 TO 2019-20)
STATE, PRIVATE AND CENTRAL SECTORS

YEAR	UNIT	Energy State Sector		Gas (VGTS)	Wind	Solar	Private sector	Central Sector	Others	TOTAL
		Hydel	Thermal							
2014-15 (Jun-Mar)	MU	3204.74	16228.48	456.70		.	5279.12	14219.62	869.94	40258.60
	%	7.96	40.31	1.13			13.11	35.32	2.16	100.00
2015-16	MU	2441.01	22044.42	682.09	2118.29	177.41	3314.46	15300.89	4309.09	50387.66
	%	4.84	43.75	1.35	4.20	0.35	11.83	16.92	21.30	104.56
2016-17	MU	2312.58	24728.76	673.82	3184.78	1543.44	7362.60	14600.51	833.46	55239.95
	%	4.19	44.77	1.22	5.77	2.79	13.33	26.43	1.51	100.00
2017-18	MU	2680.87	20561.95	1165.04	6370.35	3699.25	5516.65	10535.83	8287.61	58817.55
	%	4.56	34.96	1.98	10.83	6.29	9.38	17.91	14.09	100.00
2018-19	MU	2680.45	22360.83	1091.40	8900.29	4460.49	4433.95	8018.12	11198.03	63143.56
	%	4.25	35.41	1.73	14.10	7.06	7.02	12.70	17.73	100.00
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

*ex-bus figures from sldc

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

(Contd.,)

6.2 A.P - PROGRESS IN INSTALLED CAPACITY

(MW)

Year	State Sector			Joint Sector Gas	Share from Central Sector	Private Sector									Total
	Hydel	Thermal	Wind & Solar			Gas	Mini Hydel	Wind	Co-Generation		Bio-Mass	Mini power	Solar	others	
									Bagasse	Bio-Mass	Projects	plants			
1990-91	2461.21	1612.50	-	66.00	762.00	-	-	-	-	-	-	-		-	4901.71
1991-92	2462.21	1612.50	-	100.00	807.00	-	-	-	-	-	-	-		-	4981.71
1992-93	2524.21	1612.50	-	100.00	852.00	-	-	-	-	-	-	-		-	5088.71
1993-94	2605.21	2032.50	-	100.00	897.00	-	-	-	-	-	-	-		-	5634.71
1994-95	2665.21	2452.50	2.00	100.00	897.00	-	-	2.93	-	-	-	-		-	6119.64
1995-96	2666.21	2452.50	2.00	100.00	897.00	-	3.75	41.85	-	-	-	-		-	6163.31
1996-97	2666.21	2702.50	2.00	212.00	897.00	232.70	3.75	51.24	-	1.50	-	-		-	6768.90
1997-98	2666.21	2952.50	2.00	272.00	885.00	423.90	15.75	52.74	-	1.50	-	-		-	7271.60
1998-99	2666.21	2952.50	2.00	272.00	885.00	423.90	27.25	58.74	9.00	1.50	1.00	-		41.00	7340.10
1999-2K	2681.21	2952.50	2.00	272.00	942.50	423.90	43.45	84.99	14.00	1.50	1.00	40.31		43.70	7503.06
2000-01	2682.21	2952.50	2.00	272.00	1000.00	778.90	62.35	88.74	15.50	6.70	29.00	40.31		43.70	7973.91
2001-02	2982.21	2952.50	2.00	272.00	1500.00	918.90	76.95	90.43	37.50	9.70	73.50	78.11		62.10	9055.90
2002-03	3432.21	2962.50	2.00	272.00	2106.25	998.88	80.26	90.43	89.50	16.70	119.50	93.5		65.10	10328.83
2003-04	3586.36	2972.50	2.00	272.00	2212.50	998.88	84.26	90.43	114.50	20.43	165.50	93.5		82.70	10695.56
2004-05	3586.36	2992.50	2.00	272.00	2571.00	998.88	91.40	95.49	114.50	20.43	178.50	93.51		89.14	11105.71
2005-06	3586.36	2962.50	2.00	272.00	2616.94	996.62	101.41	99.49	151.50	20.43	178.50	74.31		89.13	11151.19
2006-07	3586.36	3172.50	2.00	272.00	2854.69	1366.62	101.40	101.34	158.20	29.25	182.50	74.31		95.14	11996.31
2007-08	3625.36	3382.50	2.00	272.00	2963.22	1366.62	101.40	101.34	174.45	29.25	190.50	74.31		98.64	12381.59
2008-09	3664.36	3382.50	2.00	272.00	2963.22	1366.62	104.40	101.34	174.45	29.25	190.50	74.31		102.30	12427.25
2009-10	3703.36	4382.5	2.00	272.00	3048.54	2330.62	104.4	114.94	270.8	29.25	190.5	74.31		102.3	14625.52
2010-11	3790.36	4592.5	2.00	272.00	2882.68	2494.7	104.4	187.74	270.8	29.25	190.5	74.31	2	109.8	15003.04
2011-12	3829.36	5092.50	3.00	272.00	3116.54	2494.70	105.64	237.39	274.00	29.25	205.25	74.31	20.75	121.80	15876.49
2012-13	3829.36	5092.50	3.00	272.00	3428.97	2494.70	105.64	431.29	274.00	29.25	205.25	78.79	22.75	121.80	16389.30
2013-14	3829.36	5092.50	3.00	272.00	3501.40	2494.70	105.64	663.89	274.00	29.25	205.25	78.79	45.75	121.80	16717.33
2014-15	1671.29	3148.15	2.00	34.29	1712.73	1150.31	89.10	1016.22	206.95	50.37	171.25	78.79	134.85	59.70	9526.00
2015-16	1671.29	3948.15	2.00	34.29	1795.95	1578.95	89.1	1416.32	206.95	50.37	171.25	82.00	579.19	817.75	12443.56
2016-17	1721.29	3948.15	5.426	34.29	1750.85	1578.95	87.44	3801.09	203.95	55.14	171.25	82	1874.95	1338	16652.78
2017-18	1797.60	5010.00	5.426	34.29	2330.55	1474.70	104.44	4019.09	203.95	64.14	171.25	17.20	2141.95	670.71	18045.30
2018-19	1797.600	5010.000	405.426	34.290	2403.160	1474.690	102.598	4077.565	203.950	64.150	171.250	17.200	2625.130	670.712	19057.721
2019-20	1797.600	5010.000	405.426	34.290	2529.810	1474.690	102.598	4079.565	206.950	65.450	171.250	17.200	3116.630	1196.712	20208.171

6.3 INSTALLED CAPACITY AND NET GENERATION IN 2019-20

Sl.No	Name of the Power House	No.of Units x Capacity MW	Installed Capacity MW	Installed Capacity MW Share	Generation (ex-bus)during 2019-20	Auxiliary Consump tion MU	Plant Load Factor %	Availability Factor %
I	**THERMAL**							
1	Vijayawada - I Unit 1	1 x 210	210.00	210.00	2126.57	126.21	63.78	81.44
	Vijayawada - I Unit 2	1 x 210	210.00	210.00		133.17	67.01	87.22
	Vijayawada - II Unit 3	1 x 210	210.00	210.00	2444.40	140.78	71.73	90.09
	Vijayawada - II Unit 4	1 x 210	210.00	210.00		142.61	75.55	94.79
	Vijayawada - III Unit 5	1 x 210	210.00	210.00	2464.79	135.68	73.43	91.25
	Vijayawada - III Unit 6	1 x 210	210.00	210.00		144.15	76.41	94.53
	Vijayawada-IV	1x500	500.00	500.00	2988.53	180.22	72.11	92.44
2	R.T.P.P -I Unit 1	1 x 210	210.00	210.00	1216.63	99.85	71.54	60.72
	R.T.P.P -I Unit 2	1 x 210	210.00	210.00		74.11	46.80	39.84
	R.T.P.P -II Unit 3	1 x 210	210.00	210.00	1794.15	107.16	30.31	77.25
	R.T.P.P -II Unit 4	1 x 210	210.00	210.00		91.15	60.27	62.70
	R.T.P.P.Stg-3 Unit-5	1 x 210	210.00	210.00	559.90	77.11	48.27	45.73
	R.T.P.P.Stg-4 Unit-1	1 x 600	610.00	600.00	2227.42	159.55	34.46	71.54
3	SDS Thermal Power Project I & II, Krishnapatnam	1x800 1x800	1600.00	1600.00	6647.59	6.81	50.70	57.99
	TOTAL			**5010.00**	**22469.98**	**1611.75**	**58.32**	**76.98**
II	**GGPP (Jegurupadu (GVK))**			**216.82**				
III.	**HYDEL :**							
	1. Machkund	3 x 17 3 x 23	✧ 84.00	84.00	340.64	--		
	2. T.B.H.E.S (T.B. Dam & Hampi)	4 x 9 4 x 9	✧ 57.60	57.60	158.00	--		
	3. Upper Sileru	4 x 60	240.00	240.00	623.32	1.08		
	4. Donkarayi	1 x 25	25.00	25.00	70.19	0.86		
	5. Lower Sileru	4 x 115	460.00	460.00	835.73	4.79		
	6. Srisailam RBHS	7 x 110	770.00	770.00	1296.57	4.19		
	7.Nagarjunasagar RC PH	3 x 30	90.00	90.00	101.20	1.00		
	8.Penna Ahobilam	2 x 10	20.00	20.00	0.72	0.23		
	9.Mini Hydro/33&11kv plants		1.00	1.00	27.72	0.01		
	10.Nagarjuna sagar Tail pond	2 x 25	50.00	50.00	75.51	1.71		
	TOTAL			**1797.60**	**3529.60**	**13.87**		
	11.Solar APGENCO			**405.426**				
IV	**GAS (Joint Sector)**							
	VGTS - I & II (Gov Share 58.8 * 58.32 %)	(2 x 33) +1x34	58.80	34.29	391.68			
		(1x112) +1x60			588.95			
	Total Gas				**980.63**			
V	**Utilisation from Central Projects :**			**2529.81**	14698.3			
VI	Private Sector Generation							
	1.IPPs			2408.423	8552.96			
	2.Wind			4079.565	6613.47			
	3.Solar			3116.630	5244.10			
VII	Others			609.607	11198.03			
	GRAND TOTAL (I TO VI)			**20208.171**	**62922.69**	**1625.62**		

(*) 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	800	02.5.2015
6	SDS Thermal power project,krishnapatnam	Unit-II	800	800	24.08.2015
	Total Thermal		**5010.00**	**5010.00**	
7	**GGPP (Jegurupadu (GVK))**		**216.82**	**216.82**	22.04.2016
II	**APGENCO-HYDEL**				
1	Machkund	Unit-I	17	84	19.08.1955
		Unit-II	17		12.12.1955
		Unit-III	17		26.06.1956
		Unit-IV	23		15.01.1959
		Unit-V	23		07.08.1959
		Unit-VI	23		08.08.1959
2	Tunga Bhadra	Unit-I	9	57.6	26.01.1957
		Unit-II	9		23.05.1957
		Unit-III	9		19.02.1964
		Unit-VI	9		19.06.1964
3	Hampi	Unit-I	9		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	Srisailam 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		5.426	5.426	19.11.2016
			400.000	400.000	
	*AP share ** Plant closed.				Jun-06
	Total APGENCO			**7429.846**	

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	9.33	02.12.1990
		Unit-II		12.03.1991
		Unit-III		17.03.1992
2.	Vijjeswaram- Stage-II(West Godavari)	Unit-I	24.96	31.03.1997
		Unit-II		23.12.1997
	Total Gas		**34.29**	
6.4(B) -2	**SHARE FROM GENERATING UNITS IN CENTRAL SECTOR**			
I	**Thermal(Central Units with Capacity (MW))**		**share as on 31/03/2020**	**Date of Commissioning**
1	RSTPS - Unit I - 200 MW		517.49	Oct, 1983
	Unit II - 200 MW			May, 1984
	Unit III - 200 MW			Dec, 1984
	Unit IV - 500 MW			Jun, 1988
	Unit V - 500 MW			Mar, 1989
	Unit VI - 500 MW			Oct, 1989
	RSTPS STAGE -III Unit VI I- 500 MW			April'2005
2	MAPP Unit I - 220 MW		18.40	
	Unit II - 220 MW			
3	NLC Unit I - 210 MW		134.53	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		116.20	1999-2001
	Unit II - 220 MW			1999-2001
	Unit III - 220 MW			19.05.2007
	Unit-IV-220 MW			20-01-2011
5	Simhadri Stage I- Unit I - 500 MW		461.10	24.08.2002
	Unit II - 500 MW			
6	Simhadri Stage II Unit I - 500 MW		259.20	30.09.2012
7	Talcher Stage II Unit 3- 500 MW		225.60	2002-03
	Talcher Stage II Unit 4 - 500 MW			25.10.2003
	Talcher Stage II Unit 5 - 500 MW			13.05.2004
	Talcher Stage II Unit 6 - 500 MW			05.02.2005
8	Vallur Stage-I,II, III (1500MW)		87.95	26.02.2015
9	Tuticorin,Tamilnadu 1x500 MW		123.22	29.08.2015
10	Kudankulam Unit1 1x1000		0.00	
11	NTPC (Kudgi) 1x800		384.72	15.09.2018
12	Westren region bundled power		175.00	
13	New Neyveli Thermal power station (NNTPS)		26.40	
	Total Share from Central Sector		**2529.81**	

6.4 (C) COMMISSIONING DATES OF GENERATING UNITS IN PRIVATE SECTOR

S.No.	Station	Details of Unit	share as on 31/03/2020	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	205.190	09.01.1997
		Unit-II		17.02.1997
		Unit-III		21.06.1997
		Unit-IV		31.03.1998
4	Lanco (Kondapally) (Krishna Dist.)	Unit-I	361.920	22.06.2000
		Unit-II		19.09.2000
		Unit-III		18.10.2000
5	Vemagiri (East Godavari Dist)		170.607	16.09.2006
6	Konaseema Gas Power Ltd(East Godvari Dist)		204.765	17-06-2009
7	Gautami (East Godavari Dist)		213.950	05-06-2009
8	M/s Thermal Power tech		230.550	15-09-2015
9	M/S Hinduja I & II 2 x 520 MW)		520.000	
9	M/s KSK Mahanadi Power Company Ltd		400.000	25-08-2014
	TOTAL MW		**2408.422**	

6.4 (c) Commissioning Dates of Generating Units in Private Sector (Mini Hydel) (KW)						
Sl. No.	**Name of the Company**	**Location**	**District**	**Capacity Connected to Grid**	**No. x Capacity KW**	**Date of Commis-sioning**
	Mini Hydel (Capacity Under Power Purchase Agreement)					
1	Active Power Corporation (P) Ltd.	Budameru Diversion Canal, Vijayawada	Krishna	1400	1400	28.04.2000
2	M/s Bhavani Hydro Power Projects Pvt. Ltd.	Guntur Branch Canal	Guntur	550	550	17-11-2004
3	Manihamsa Power Projects Ltd.	Yeleswaram Reservior	East Godawari	1500	1500	17.01.2001
4	Manihamsa Power Projects Ltd.	Yeleswaram Reservior	East Godawari	1500	1500	06.02.2001
5	M/s. PMC Power Pvt. Ltd.	Pedanandipadu Branch Canal, G.Muppala	Guntur	650	650	17.05.2001
6	NCL Energy Ltd., Unit - I	On Pothireddy Padu Head regulator	Kurnool	2500	2500	28.09.2000
7	NCL Energy Ltd., Unit - II	On Pothireddy Padu Head regulator	Kurnool	2500	2500	17.11.2000
8	NCL Energy Ltd., Unit - III	On Pothireddy Padu Head regulator	Kurnool	2500	2500	09.02.2001
9	M/s.KM Power -I	Nippulavagu Canal, Guntakandala	Kurnool	4000	4000	06.02.2002
10	M/s.KM Power -II	Nippulavagu Canal, Velapanoor	Kurnool	3300	3300	07-11-2002
11	M/s.KM Power -II	Nippulavagu Canal, Velapanoor	Kurnool	4000	4000	25-12-2003
12	M/s Balaji Energy Ltd.	Somasila Reservoir	Nellore	10000	10000	31-12-2005
13	M/s Balaji Energy Ltd.	Somasila Reservoir	Nellore	2000	10000	-11-2008
14	M/s.Sardar Power Ltd	Nagavali river at Nagur, Gurugubilli	Vizianagaram	1500	2000	17-7-2008
16	Akshay Profiles (P) Ltd., Scheme-I	M 0-4-312 on GBC, Chilakaluripet Major	Guntur	500	1x500	13.07.2000
17	Akshay Profiles (P) Ltd., Scheme-II	M 0-4-312 on GBC, Chilakaluripet Major	Guntur	500	1x500	11.09.2000
18	Deccan Cements	Guntur Branch Canal	Guntur	3750	3x1250	28.02.1996
19	Espar Pak Ltd., Scheme	Bellamkonda Branch Canal	Krishna	1300	1x1300	08.04.2000
20	KCP Ltd., Scheme-I	Guntur Branch Canal	Guntur	1500	2x750	06.09.1999
21	KCP Ltd., Scheme-II	Guntur Branch Canal	Guntur	1500	2x750	20.11.1998

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 Commis-sioning**
22	KCP Ltd., Scheme-III	Guntur Branch Canal	Guntur	1500	2x750	18.09.1998
23	KCP Ltd., Scheme-IV	Guntur Branch Canal	Guntur	2250	3x750	02.04.1999
24	KCP Limited Scheme-V	Guntur Branch Canal	Guntur	1500	2x750	14.03.1998
25	M/s. Rayalaseema Power Projects Ltd.	Guntur Branch Canal	Guntur	3000	3x1000	21.11.1998
26	Dhanalakshmi Cotton & Rice Mills Ltd., Scheme - I	Addanki Branch Canal	Guntur	2000	2x1000	24.11.1997
27	Dhanalakshmi Cotton & Rice Mills, Scheme - II	Addanki Branch Canal	Guntur	1588	2x794	23.12.1997
28	Dhanalakshmi Cotton & Rice Mills Ltd., Scheme - III	Addanki Branch Canal	Guntur	2610	2610	23.07.1997
29	Sagar Power Ltd,Scheme I	Guntur Branch Canal	Guntur	4300	4300	27.11.1997
30	Sagar Power Ltd,Scheme II	at Lock-in-sula on KC Canal	Kurnool	4000	4000	07.09.1998
31	Sri Jayalaxmi Power Corp., Scheme-I	Addanki Branch Canal	Guntur	2000	2x1000	27.02.2000
32	Sri Jayalaxmi Power Corp. Scheme-II	Addanki Branch Canal	Guntur	2000	2x1000	19.01.2000
33	SKJ Power Projects Ltd.,	Ongole Branch Canal	Prakasam	1500	2x750	27.01.1999
34	Shivani Power Spinners Ltd	Zulakallu Branch Canal	Krishna	750	1x750	11.03.2000
35	Trident Power Systems, Scheme-I	Addanki Branch Canal	Guntur	2000	2x1000	13.10.1999
36	Trident Power Systems, Scheme-II	Addanki Branch Canal	Guntur	2000	2x1000	26.08.1999
37	Trident Power Systems, Scheme-III	Addanki Branch Canal	Prakasam	3000	2x1500	28.02.2001
38	Tirumala Hydel Power Projects Ltd., Unit - I	Guntur Branch Canal	Guntur	800	2x400	02.02.2000
39	Tirumala Hydel Power Projects Ltd., Unit - II	Guntur Branch Canal	Guntur	800	1x800	01.07.2000
40	Tirumala Hydel Power Projects Ltd., Unit - III	Guntur Branch Canal	Guntur	800	1x800	06.11.2000
41	M/s Bhavani Hydro Power Projects Pvt. Ltd.	Bellamkonda Branch canal. Scheme II	Guntur	550.0	550	28-08-99
42	Manihamsa Power Projects Ltd.	Yeleswaram , Reservior Project, East Godawari	East Godawari	1500	1500	06.04.2004
43	M/s A.P.Tribal Power Com Ltd.	MHS on Yeleru River (Pedda Vagu) near Vetamamidi (V) Addathigala (M)	East Godavari	1200	1200	15.4.2011
44	M/s Kandaleru Power Company Ltd	Kandaleru Reservoir,Rapur	Nellore	3000	3000	17.12.2017
45	M/s Balaji Energy Ltd.	Somasila Reservoir	Nellore	8000	8000	02.12.2017
46	M/s Balaji Energy Ltd.	Somasila Reservoir	Nellore	3000	3000	30.12.2017
		Total Mini Hydel in MW		**102.598**		

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

6.4 (c) Commissioning Dates of Generating Units in Private Sector(WIND POWER)					
Sl. No.	Name of the Plant	Location	District	Installed Capacity	Commercial Operation
30	M/s Vaayu(India) Power Corporation Ltd(Phase-2)	Kondameedipalli, Petnikota(V) and Thummalapenta(v), kolimigundla(M) Kurnool District.	Kurnool	4.8	25-09-2010
31	M/s Vaayu(India) Power Corporation Ltd(Phase-3)	Kondameedipalli, Chintayalapalli(V) & Abdullapuram(V), kolimigundla(M) Kurnool District.	Kurnool	4.8	30.03.2011
32	M/s Vaayu(India) Power Corporation Ltd(Phase-4)	Kondameedipalli, Chintayalapalli(V), kolimigundla(M) Kurnool District.	Kurnool	11.2	28.09.2010
33	M/s Vish Wind Infrastructure LLP (Phase-I)	Kondameedipalli, Kurnool District. APCPDCL	Kurnool	0.8	14.10.2010
34	M/s Vish Wind Infrastructure LLP (Phase-III)	Kondameedipalli, Kurnool District. APCPDCL	Kurnool	1.6	14.10.2010
35	M/s Vish Wind Infrastructure LLP (Phase-II)	Kondameedipalli, Kurnool District. APCPDCL	Kurnool	2.4	14.10.2010
36	M/s Vaayu(India) Power Corporation Ltd(Phase-5)	Kondameedipalli, Chintayalapalli(V), kolimigundla(M) Kurnool District.	Kurnool	4.8	30.09.2010
37	M/s Vaayu(India) Power Corporation Ltd(Phase-6)	Kondameedipalli, Chintayalapalli(V), kolimigundla(M) Kurnool District.	Kurnool	9.6	02.12.2010
38	M/s Vish Wind Infrastructure LLP (Phase-II)	Kondameedipalli, Kurnool District. APCPDCL	Kurnool	1.6	31.03.2011
39	M/s Vaayu(India) Power Corporation Ltd(Phase-7)	Kondameedipalli, Chintayalapalli(V), kolimigundla(M) Kurnool District.	Kurnool	10.4	31.12.2010
40	M/s. Texonic Instruments.	Kondameedipalli, Kurnool District. APCPDCL	Kurnool	0.8	30.03.2011
41	M/s Happy Valley Developers	Kondameedipalli, Kurnool District. APCPDCL	Kurnool	0.8	31.03.2011
42	M/s. Shreem Electric Limited	Kondameedipalli, Kurnool District. APCPDCL	Kurnool	1.6	31.03.2011
43	M/s. Hyderabad Chemicals limited	Kadavakallu, Ananthapur District.	Ananthapur	5.1	30.06.2011
44	M/s.Sai Silks (Kalamandir)	Kondameedipalli, Kurnool District. APCPDCL	Kurnool	2	31.03.2011
45	Triveni Enterprises	Kondameedipalli, Kurnool District. APCPDCL	Kurnool	0.8	30.09.2011
46	M/s. International – Conveyors (Phase-I)	Kondameedipalli, Kurnool District. APCPDCL	Kurnool	0.8	22.09.2011
47	M/s. International Conveyors (Phase-II)	Kondameedipalli, Kurnool District. APCPDCL	Kurnool	0.8	22.09.2011
48	M/s Vish Wind Infrastructure LLP (Phase-IV)	Kondameedipalli, Kurnool District. APCPDCL	Kurnool	1.6	30.09.2011
49	M/s Ramansons Asbestos cement products	Kondameedipalli, Kurnool District. APCPDCL	Kurnool	0.8	30.09.2011
50	M/s IOCL	Vajrakarur, Anantapur	Anantapur	16.8	31.03.2012
51	M/s Mytrah Vayu (Pennar) Pvt Ltd. (Phase-I)	Vajrakarur, Anantapur	Anantapur	16.8	31.03.2012
52	M/s NREDCAP	Rekulakunta (V), Anantapur	Anantapur	5.95	29.03.2012
53	M/s NREDCAP	Kodamamidipalli,	kurnool	1.6	31.03.2012

6.4 (c) Commissioning Dates of Generating Units in Private Sector(WIND POWER)					
Sl. No.	Name of the Plant	Location	District	Installed Capacity	Commercial Operation
54	M/s.IOCL	Vajrakarur, Anantapur	Anantapur	10.5	18.05.2012
55	M/s.MGM Springs private Limited	Nallakonda site, Penukond (M) Anantapur Dist.	Anantapur	0.8	19.07.2012
56	M/s.Mytrah Vayu (Pennar) Pvt Ltd (Ph-II)	Vajrakarur, Anantapur	Anantapur	16.8	25.10.2012
57	M/s.Mytrah Vayu (Pennar) Pvt Ltd (Ph-III)	Vajrakarur, Anantapur	Anantapur	6.3	25.10.2012
58	M/s.Mytrah Vayu (Pennar) Pvt Ltd (Ph-IV)	Vajrakarur, Anantapur	Anantapur	6.3	25.10.2012
59	M/s.Mytrah Vayu (Pennar) Pvt Ltd (Ph-V)	Vajrakarur, Anantapur	Anantapur	4.2	25.10.2012
60	M/s.Mytrah Vayu (Pennar) Pvt Ltd (Ph-VI)	Vajrakarur, Anantapur	Anantapur	4.2	25.10.2012
61	M/s.Mytrah Vayu (Pennar) Pvt Ltd (Ph-VII)	Vajrakarur, Anantapur	Anantapur	6.3	25.10.2012
62	M/s.Mytrah Vayu (Pennar) Pvt Ltd (Ph-VIII)	Vajrakarur, Anantapur	Anantapur	2.1	25.10.2012
63	M/s Neminath Trading Company (M/s.RV Consulting services Private Ltd)	Nallakonda site, Penukond (M) Anantapur Dist	Anantapur	0.8	10.04.2013
64	M/s,Khandke Wind Energy Private Ltd phase-I	Nallakonda site, Penukond (M) Anantapur Dist	Anantapur	2.4	10.04.2013
65	M/s,Khandke Wind Energy Private Ltd phase-II	Nallakonda site, Penukond (M) Anantapur Dist	Anantapur	6.4	04.05.2013
66	M/s.Sri KPR Infra & Projects Ltd	Gandikota, Jammalamadugu APSPDCL	Kadapa	2.1	17.07.2013
67	M/s.Weld Fuse Pvt Ltd	Gandikota, Jammalamadugu APSPDCL	Kadapa	2.1	17.07.2013
68	M/s.KRBL Ltd	Gandikota, Jammalamadugu APSPDCL	Kadapa	2.1	17.07.2013
69	M/s.Sri Venkateswara Pipes Limited	Gandikota, Jammalamadugu APSPDCL	Kadapa	2.1	17.07.2013
70	M/s,Khandke Wind Energy Private Ltd phase-III	Nallakonda site, Penukond (M) Anantapur Dist	Ananthapur	4	11.07.2013
71	M/s,Khandke Wind Energy Private Ltd phase-IV	Nallakonda site, Penukond (M) Anantapur Dist	Ananthapur	2.4	04.08.2013
72	M/s.Beta Wind Farms private Limited	Kadavakallu Area in Anantapur Dist	Ananthapur	50.4	27.07.2013
73	M/s.Saptagir Camphor limited	Nallakonda site, Penukond (M) Anantapur Dist	Ananthapur	0.8	05.08.2013
74	M/s.IOCL	Gandikota YSR	YSR Kadapa	14.7	03.04.2013
75	M/s.Hetro Wind power project Limited	220/132 KV Kondapuram SS, Kadapa	YSR Kadapa	13.5	3.07.2013
76	M/s .Rayala wind power company Pvt. Limited	Balavenkatapuram(V) Anantapur dist	Ananthapur	101.2	29.11.2013
77	M/s. Khandke Wind Energy Pvt Ltd Phase -V	Nallakonda site, Penukond (M) Anantapur Dist	Ananthapur	4	06.09.2013
				4	25.09.2013
				8	30.11.2013
78	M/s.Mytrah Vayu (India) Pvt Ltd	Burugula site,Kurnool	Kurnool	37.4	21-02-2014
79	M/s Woodside Fashions Ltd	Chabala(V), Vajrakarur(M), Ananthapur Dist	Ananthapur	2.1	28.03.2014
80	M/s Hitech Systems & services Ltd	P.C.Pyapalli(V), Vajrakarur (M), Ananthapur Dist	Ananthapur	4.2	28.03.2014
81	M/s.Indian Oil Corporation Limited (Suzlon)	Gandikota Jammalamadugu YSR Kadapa	YSR Kadapa	4.2	31.03.2014
82	M/s Rayala wind power projects Ltd	Balavenkatapuram(V) Anantapur dist	Ananthapur	50	26.07.2014
83	M/s Energon Power Resource Pvt Ltd	Taggupparthy(V), Ananthapur Dist	Ananthapur	48	08.07.2014
84	M/s KRBL	Ganthimarri(V), Ramagiri	Ananthapur	8.4	21.11.2014

6.4 (c) Commissioning Dates of Generating Units in Private Sector(WIND POWER)					
Sl. No.	Name of the Plant	Location	District	Installed Capacity	Commercial Operation
85	M/s Santhiram Wind power Pvt Limited	Chabala(V), Vajrakarur(M), Ananthapur Dist	Ananthapur	2.1	12.06.2014
86	M/s BNR constructions	Kondamedapalli(V), Kolimigundala (M), Kurnool APSPDCL	Kurnool	1	19.12.2014
87	M/s En En Electrical Engineers Pvt Limited	Vajrakarur(M), Ananthapur Dist	Ananthapur	2.1	14.11.2014
88	M/s Rajasthan Gum Pvt Limited	Muthuvakuntala(V), Kanganapalli(M), Anthapur District	Ananthapur	2.1	31.12.2014
89	M/s sterling Agro Industries Limited	Tallimadugula(V), Anthapur District	Ananthapur	4.2	29.01.2015
90	Energon Ph-II	Tagguparthy , Anantapuram	Anantapuram	100	11.03.2015
91	Anantapura Wind Energies Pvt Limited (Rayala group)	Anthapur District	Anantapuram	10	19.05.2015
92	Rayalaseema Wind Energies Pvt Limited (Rayala group)	Anthapur District	Anantapuram	10	19.05.2015
93	M/s Hitech Systems & services Ltd	Anthapur District	Anantapuram	2.1	02.06.2015
94	Sri Vijayeebhava Enterprises private Limited	Muthuvakuntala(V), Kanganapalli(M), Anthapur District	Anantapuram	2.1	01.08.2015
95	Karam Chand Thapar & Bros Limited	Borampalli, Kalyandurg (V) Anthapur District	Anantapuram	24	10.08.2015
96	Jindal Aluminium Limited	Vajrakarur,	Anantapuram	25.2	25.08.2015
97	Rayala wind power company limited	Balavenkatapuram (V) Anantapur dist	Anantapuram	8	15.09.2015
98	Sunwin power tecg India LLP	Signamala, Ananthapur District.	Anantapuram	4	28.11.2015
99	Vibrant green tech India (P) Ltd	Signamala, Ananthapur District.	Anantapuram	0.8	28.11.2015
100	Vibrant green tech India (P) Ltd	Signamala, Ananthapur District.	Anantapuram	8	15.12.2015
101	Mythrah Vaayu (Indiravathi) Pvt Ltd	Pottipadu, Vajrakarur in Anthapur Dist	Anantapuram	39.9	31.12.2015
102	Mythrah Vaayu (Indiravathi) Pvt Ltd	Pottipadu, Vajrakarur in Anthapur Dist	Anantapuram	65.1	06.03.2016
103	Mangalam Fashions Ltd	Belguppa in	Anantapuram	2.1	24.03.2016
104	Woodside Fashions Ltd	Belguppa in	Anantapuram	2.1	24.03.2016
105	Levelstate Systems Pvt Ltd	Belguppa in	Anantapuram	2.1	24.03.2016
106	Ushodaya Enterprises Pvt Ltd	Belguppa in	Anantapuram	4.2	24.03.2016
107	Shrinath Gum & Chemicals	Belguppa in	Anantapuram	2.1	24.03.2016
108	Shree Ram Industries	Belguppa in	Anantapuram	4.2	24.03.2016
109	Om Prakash Soni	Belguppa in	Anantapuram	2.1	24.03.2016
110	Sai Pet Preforms	Belguppa in	Anantapuram	2.1	24.03.2016
111	Manoj Aggarwalla	Belguppa in	Anantapuram	2.1	24.03.2016
112	Imperial Arts	Belguppa in	Anantapuram	2.1	27.03.2016
113	Eenadu Television Pvt Ltd	Belguppa in	Anantapuram	2.1	27.03.2016
114	Hi-Tech Systems and Services Ltd	Belguppa in	Anantapuram	2.1	27.03.2016
115	Prince Art Exporter	Belguppa in	Anantapuram	4.2	27.03.2016
116	M/s orange Anantapur Wind Power Pvt Limited	Nimbagal(V), Uravakonda (M), Ananthapur dist	Anantapuram	100	28.03.2016
117	Kaushaliya Devi Dhoot	Belguppa in	Anantapuram	2.1	29.03.2016
118	Satyanarayana Dhoot	Belguppa in	Anantapuram	2.1	29.03.2016
119	Rajasthan Gumn Private Limited	Belguppa in	Anantapuram	8.4	30.03.2016
120	Chimique (INDIA)Pvt Ltd	Pottipadu in Anantapuram District	Anantapuram	2.1	30.03.2016
121	Jai Bharath Gum & Chemicals Ltd	Belguppa in	Anantapuram	2.1	31.03.2016
122	Dinesh Enterprises	Belguppa in	Anantapuram	2.1	31.03.2016
123	M/s Sandla Wind Power Project Limited	Vidapanakallu, Ananthapur District	Anantapuram	50.4	31.03.2016
124	Hetero Wind Power (Pennar)Pvt Ltd	Tirumalayapalli Kadapa District	Kadapa	10.5	19.06.2016
125	Hetero Wind Power (Pennar)Pvt Ltd	Palakonda Hills in Anantapuram District	Ananthapur	6	13.07.2016
126	KCT Renewable Energy Pvt Ltd	Molagavalli (V)Aspari(M) Kurnool	Kurnool	20.4	14.07.2016
127	KCT Renewable Energy Pvt Ltd	Nallakonda in Anantapuram District	Ananthapur	18.7	14.07.2016

6.4 (c) Commissioning Dates of Generating Units in Private Sector(WIND POWER)					
Sl. No.	Name of the Plant	Location	District	Installed Capacity	Commercial Operation
128	Ostro Anantapur Pvt Ltd	Honnura-Palturu, Nimbagal(V), Uravakonda (M), Anantapur dist	Ananthapur	100	21.07.2016
129	JED Solar Parks Pvt Ltd	Yatakal in Anantapuram District	Ananthapur	24	23.07.2016
130	Poly Solar Parks Pvt Ltd	Ellutla in Anantapuram District	Ananthapur	24	23.07.2016
131	Sterling Agro Industries Ltd	Nallakonda in Anantapuram District	Ananthapur	3.2	17.08.2016
132	Sterling Agro Industries Ltd	Nallakonda in Anantapuram District	Ananthapur	8.8	17.08.2016
133	ZR Renewables Energy Pvt Ltd	Tallaricheruvu , Anantapuram District	Ananthapur	16	27.08.2016
134	Gutaseema Wind Energy Company Private	Palakonda Hills	Anantapuram	20	05.09.2016
135	NATCO	Betamcherla in Kurnool	Kurnool	1.6	09.09.2016
136	Vayuputhra Energy Pvt Ltd	Vajrakarur	Anantapuram	20	20.07.2016
137	Mytrah Vayu (Tungabhadra)Pvt Ltd	Aspari site in Kurnool District	Kurnool	50.6	27.03.2017
138	Mytrah Vayu (Krishna) Pvt Ltd	Burugula in Kurnool District	Kurnool	8.5	24.3.2017
139	Mytrah Vayu (Thungabadra) Pvt Ltd	Aspari (V&M) in Kurnool District	Kurnool	98.3	15.10.2016
140	TSSS Infotech and Infra Ltd	Nallakonda in Anantapuram District	Ananthapur	2.4	9.3.2017
141	Saptagir Camphor Ltd	Nallakonda in Anantapuram District	Ananthapur	0.8	9.3.2017
142	Amrit Bottlers Pvt Ltd	Nallakonda in Anantapuram District	Ananthapur	0.8	28.3.2017
143	Animala Wind Power Pvt Ltd	Anemela Village YSR Kadapa District	Kadapa	60	30.03.2017
144	Hetero Wind Power (Pennar) Pvt Ltd	Tirumalayapalli Kadapa	Kadapa	24	21.08.2016
145	Aeolus Wind Parks Pv t Ltd	Kandimalayapalli	Kadapa	24	09.08.2017
146	The KTM Jewellary Pvt Ltd	Nallakonda in Anantapuram District	Ananthapur	1.6	9.3.2017
147	ReNew Wind Energy (Shivapur)Pvt Ltd	Ellutla in Anantapuram District	Ananthapur	44.1	24.08.2016
148	ReNew Wind Energy (Shivapur)Pvt Ltd	Ellutla in Anantapuram District	Ananthapur	39.9	29.11.2016
149	Axis Wind Energy (MPR Dam)	MPR Dam Anantapuram District	Ananthapur	100	30.03.2017
150	ReNew Wind Energy (Shivapur)Pvt Ltd	Ellutla in Anantapuram District	Ananthapur	4.2	13.10.2016
151	Vayu Urja Bharat Pvt Ltd	Guruvepalli/Marrimakul apalli in Anantapuram District	Ananthapur	120	31.03.2017
152	Danu Wind Parks Pvt Ltd	Betamcherla in Kurnool	Kurnool	24	07.09.2016
153	Ostro Andhra Wind Pvt Ltd	Ramapuram Kottakurakulapalli in Anantapuram	Ananthapur	98.7	23.03.2017
154	Ostro AP Wind Pvt Ltd	Rallapalli Chennam Palli Rallaanantapuram in Anantapuram District	Ananthapur	98.7	23.03.2017
155	M/s. Fujin Wind Parks Pvt Ltd	Kandimalayapalli	Kadapa	46	31.03.2017
156	Jaibharat Gum & Chemicals Pvt Ltd	Ragulapadu	Anantapuram	2.1	20.09.2016
157	RBA Properties Pvt Ltd	Pottipadu Anantapuram	Anantapuram	2.1	20.09.2016
158	ReNew Wind Energy (Shivapur)Pvt Ltd	Ellutla Anantapuram	Anantapuram	31.5	13.10.2016
159	M/s. Helios Infratech Pvt Ltd	Badra Puram Anantapuram	Ananthapur	100.8	30.03.2017
160	M/s.Skiron Renewable Energy (Amidyala)Pvt Ltd	Amidyala (V) Anantapuram District	Ananthapur	226.8	28.03.2017
161	Saipuram Wind Energies Pvt Ltd	Rudrampalli, Borampalli Elagalavanka	Ananthapur	104.5	23.3.2017
162	Tata Power Renewable Energy PVt Ltd	Honnura - Palturu	Palturu	100	27.12.2016
163	Orange Uravakonda Wind Power Pvt Ltd	Belguppa in	Ananthapur	100.8	28.07.2016
164	Axis Wind Energy (Anantapur) PVt Ltd	MPR Dam / Kuderu site Anantapuram District	Ananthapur	105	23.3.2017
165	M/s. PTC Energy Ltd	Mulagavali, Kurnool	Kurnool	50	18.3.2017
166	KCT Renewable Enery Ph-1	Mulagavali, Kurnool	Kurnool	20	28.02.2017
167	KCT Renewable Enery Ph-2	Mulagavali, Kurnool	Kurnool	20	28.02.2017
168	PTC Energy Pvt Ltd	Kandimalayapalli	Kadapa	49.3	24.03.2017

6.4 (c) Commissioning Dates of Generating Units in Private Sector(WIND POWER)					
Sl. No.	Name of the Plant	Location	District	Installed Capacity	Commercial Operation
169	PTC Energy Pvt Ltd	Payalakuntla, YSR Kadapa District	YSR Kadapa	40	30.03.2017
170	KPR Infra & Projects Ltd	Tallimadugula, Anantapuram	Anantapuram	2	30.03.2017
171	Bommidala Enterprises Pvt Ltd	Tallimadugula, Anantapuram	Anantapuram	2	30.03.2017
172	Poonawalla Aviation Pvt Ltd	Belguppa in	Anantapuram	6.3	18.03.2017
173	Poonwalla Shares & Securities Pvt Ltd	Belguppa in	Anantapuram	4.2	18.03.2017
174	Cyzachem Pvt Ltd	Belguppa in	Anantapuram	4.2	18.03.2017
175	Villos Greenfield Farms	Belguppa in	Anantapuram	6.3	18.03.2017
176	Cyrus Poonawalla Family Trust	Belguppa in	Anantapuram	2.1	18.03.2017
177	Poonawalla Estate Stud & A gri Farm Pvt Ltd	Belguppa in	Anantapuram	4.2	18.03.2017
178	Chanda Investment & Trading C.Pvt Ltd	Belguppa in	Anantapuram	4.2	18.03.2017
179	Adurjee Bros Pvt Ltd	Belguppa in	Anantapuram	14.7	18.03.2017
180	Naukhal Investment Pvt Ltd	Belguppa in	Anantapuram	4.2	18.03.2017
181	Eenadu Television Pvt Ltd	Vajrakarur in Anantapuram	Anantapuram	10.5	18.03.2017
182	Ushodaya Enterprises Pvt Ltd(A Diviion of Renewable Enery)	Vajrakarur in Anantapuram	Anantapuram	2.1	18.03.2017
183	Arkas Energy LLP	Vajrakarur in Anantapuram	Anantapuram	2.1	18.03.2017
184	Jai Bharath Gum & Chemicals Ltd	Vajrakarur in Anantapuram	Anantapuram	4.2	18.03.2017
185	Rajasthan Gum Pvt Ltd	Vajrakarur in Anantapuram	Anantapuram	4.2	18.03.2017
186	Chimique (India) Ltd	Vajrakarur in Anantapuram	Anantapuram	2.1	18.03.2017
187	Mayank Green Energy	Belguppa in	Anantapuram	2.1	18.03.2017
188	Hi -Tech Systems & Service Ltd -Ph-2	Belguppa in	Anantapuram	8.4	18.03.2017
189	Hi -Tech Systems & Service Ltd -Ph-1	Belguppa in	Anantapuram	4.2	18.03.2017
190	Eenadu Television Pvt Ltd	Belguppa in	Anantapuram	2.1	18.03.2017
191	Ushodaya Enterprises Pvt Ltd(A Diviion of Renewable Enery)	Belguppa in Anantapuram	Anantapuram	6.3	18.03.2017
192	PTC Energy Pvt Ltd	Devankonda, Anantapuram	Anantapuram	49.5	30.03.2017
193	Green Infra Wind Solution Ltd	Karadikonda, Anantapuram	Anantapuram	49.5	30.03.2017
194	Mangalam Fashions Limited	Tallimadugula, Anantapuram	Anantapuram	2	30.03.2017
195	HC commercial LTD	Tallimadugula, Anantapuram	Anantapuram	2	30.03.2017
196	Amrit Bottlers Prviate Limited	Tallimadugula, Anantapuram	Anantapuram	2	30.03.2017
197	RSM Estates Ltd	Tallimadugula, Anantapuram	Anantapuram	2	30.03.2017
198	Daulat Financial Services Private Limited	Tallimadugula, Anantapuram	Anantapuram	2	30.03.2017
199	Dindore	Mulagavali, Kurnool	Kurnool	9.2	30.03.2017
200	Mulagavalli Renewable Energy Pvt Ltd	Mulagavali, Kurnool	Kurnool	46	30.03.2017
201	NREDCAP Ltd	Mulagavali, Kurnool	Kurnool	4	30.03.2017
202	Axis Wind Farm (Rayalaseema)Pvt Ltd	MPR DAM/Kuderi	Anantapuram	105	23.02.2017
203	Vibrant greentech India Pvt Ltd	Rekulakunta in	Anantapuram	0	30.03.2017
204	Danu Wind Parks Pvt Ltd	Nelakota in Anantapuram District	Anantapuram	23	30.06.2017
205	Aeolus Wind Parks Pv t Ltd	Kandimalayapalli	Kadapa	0	09.08.2017
206	M/s. Animala Wind Power PVt Ltd	Nandipalli (V) YSR Kadapa	Kadapa	30	24.08.2017
207	Mytrah Vayu (Krishna) Pvt Ltd	Burugula in Kurnool District	Kurnool	2.4	03.03.2018
208	M/s Zemira Renewable Energy Ltd (formerly Adani Wind Energy (AP) Limited)	Borampalli	Anantapuram	50.4	27.03.2018
209	Axis Wind Farm (Rayalaseema)Pvt Ltd	MPR DAM/Kuderi	Anantapuram	35.7	02.03.2018
210	M/s. Ramabhadra Industries pvt.Ltd	Belguppa in	Ananthapur	2.1	05.04.2018
				3691.350	**MW**
PROJECTS WHEELING ENERGY UNDER SUBSISTING WHEELING AGREEMENTS:					
Sl. No.	Name of the Plant	Location		Installed Capacity	Commercial Operation
1	M/s APSRTC, Mushirabad, Hyderabad-	Ramagiri, Anantapur	Anantapuram	10.0	30.09.1995
2	M/s Andhra Sugars Ltd., Venkatarayapuram, Tanuku, West Godavari.	Ramagiri, Anantapur	Anantapuram	2.0	30.09.1994

6.4 (c) Commissioning Dates of Generating Units in Private Sector(WIND POWER)					
Sl. No.	Name of the Plant	Location	District	Installed Capacity	Commercial Operation
3	M/s Deccan Cements Ltd., Deccan Chambers, 6-3-666/B, Somajiguda, Hyderabad	Ramagiri, Anantapur	Anantapuram	2.0	26.02.1995
4	M/s Hyderabad Chemical Products Ltd. A-24/25, APIE, Balanagar, Hyderabad	Kadavakallu, Anantapur	Anantapuram	0.3	31.03.1999
5	M/s Hyderabad Chemical Supplies Ltd., A-24/25, APIE, Balanager, Hyderabad	Kadavakallu, Anantapur	Anantapuram	2.0	31.03.1999
6	M/s ITW Signode India Ltd. 3rd, Floor, Merchant Towers 5, Road No.4, Banjara Hills, Hyderabad	Ramagiri, Anantapur	Anantapuram	1.0	22.05.1995
7	M/s IDL Industries Ltd. , Chenoy Trade Centre, IV Floor, 116 Parklane, Secunderabad	Polepally (V), Ramagiri (M). Anantapur	Anantapuram	1.0	29.09.1997
8	M/s PSM Spinning Ltd., 208 &408, Nilgiri, Ameerpet, Hyderabad	Ramagiri, Anantapur	Anantapuram	1.8	08.03.1996
9	M/s RCI Power Ltd. WESCARE Towers, Cenotaph Road, Tenyampet, Chennai	Komatikuntla Anantapur	Anantapuram	20.0	31.03.1999
10	M/s Sarita Software & ind. Ltd., Plot NO.28, Navodaya Colony, Road No.2 Banjara Hills, Hyderabad	Kadavakallu, Anantapur	Anantapuram	2.0	30.08.2000
11	M/s Sri Rayalaseema Alkalies & Allied Chemicals Ltd. 6-2-1012, 2nd Floor, TGV Mansions, Opp. Institution of Engineers, Khairatabad, Hyderabad	Ramagiri, Anantapur	Anantapuram	3.0	31.03.1996
12	M/s Sri Rayalaseema Power Corporation Ltd. 6-2-1012, 2nd Floor, TGV Mansions, Opp. Institution of Engineers, Khairatabad, Hyderabad	Ramagiri, Anantapur	Anantapuram	1.9	31.03.1997
13	M/s Sri Vasavi Industries Ltd., Plot No. 28, Navodaya Colony, Road No.2, Banjara Hills, Hyderabad	Tarakavaripally, Kadavakallu, Anantapur	Anantapuram	2.0	28.07.1999
14	M/s Bharath wind farms (formerly M/s WESCARE (India) Ltd). WESCARE Towers, Cenotaph Road, Tenyampet, Chennai	Kadavakallu, Anantapur	Anantapuram	5.0	31.03.2000.
15	Renewable Energy Systems Ltd	Ramagiri, Anantapur	Anantapuram	8.5	z
16	BHEL (Phase-II)	Ramagiri, Anantapur	Anantapuram	4.0	31.03.2001
17	M/s TTD, Tirumala Tirupathi	Kakulakonda, Tirumala, Tirupathi, Chittor Dist.	Chittoor	6.0	19.02.2004
				72.49	**MW**
PROJECTS SELLING ENERGY TO APDISCOMs UNDER Open Acess AGREEMENTS:					
Sl. No.	Name of the Plant	Location		Installed Capacity	Commercial Operation
1	M/s.Hetro Wind power project Limited	220/132 KV Kondapuram SS, Kadapa	Kadapa	54.00	3.07.2013
2	M/s. Tirumala cotton Agro Products Limited	Gandikota, Jammalamadugu	Kadapa	2.10	6.07.2013
3	M/s. Tirumala cotton Agro Products Limited	Vajrakarur, Anantapur dist	Ananthapur	2.10	15.10.2013
4	M/s. Ravali Spinners Pvt Ltd	Vajrakarur, Anantapur dist	Ananthapur	4.20	19.12.2013
5	M/s. IOCL	Jammalla Madugu, YSR Kadapa	Kadapa	2.10	31.03.2014
6	Energon Pvt Ltd	Tagguparthy , Anantapuram	Ananthapur	6.00	20.08.2014
7	M/s Blyath Wind Park Pvt Ltd	Kalyana Durgam	Ananthapur	25.60	29.09.2014
8	Tirumala Cotton & Agro Ltd	Vajrakarur, Anantapur dist	Ananthapur	2.10	31.03.2015
9	M/s The Andhra Sugars	Saggonda(V),west godavari	west godavari	2.025	01.02.2016
10	Viswateja Spinning Mills Pvt LTd	Talaricheruvu in Anantapuiram	Ananthapur	2.00	20.02.2016
11	Idupalapadu Cotton Mills Pvt Ltd	Talaricheruvu in Anantapuiram	Ananthapur	4.00	20.02.2016
12	Ramabadra Industries Pvt Ltd	Talaricheruvu in Anantapuiram	Ananthapur	2.00	20.02.2016
13	Srinivasa Cotton and oil Mills Pvt Ltd	Talaricheruvu in Anantapuiram	Ananthapur	2.00	20.02.2016
14	Rama Badra Ltd	Belguppa in	Ananthapur	2.10	10.03.2017
15	Sri Dhanalakshmi Cotton & Rice Mills	Vajrakarur in Anantapuram	Ananthapur	6.30	26.03.2016

6.4 (c) Commissioning Dates of Generating Units in Private Sector(WIND POWER)					
Sl. No.	Name of the Plant	Location	District	Installed Capacity	Commercial Operation
16	Heritage Foods Ltd	Vajrakarur in Anantapuram	Ananthapur	2.10	27.03.2016
17	Kalpataruvu Spinning Mills Ltd	Vajrakarur in Anantapuram	Ananthapur	2.10	30.03.2016
18	Jyothirmaya Textiles Pvt Ltd	Valasala in Kurnool	Kurnool	6.00	04.08.2016
19	Ranganayaka Spinning Mills	Valasala in Kurnool	Kurnool	2.00	04.08.2016
20	Vasundara Cotton Mills	Valasala in Kurnool	Kurnool	2.00	04.08.2016
21	Heritage Foods Ltd	Vajrakarur in Anantapuram	Ananthapur	2.10	20.09.2016
22	M/s. Atria Wind Power Pvt Ltd	Pulivendula	YSR Kadapa	25.50	20.01.17
23	M/s Ramabhadra Industries Pvt Ltd	Kankela, Anathapur	Anathapur	2.10	02.09.2017
24	Heritage Foods Ltd	Vajrakarur in Anantapuram	Ananthapur	2.10	20.09.2016
25	M/s Jyotirmaye Textiles Pvt. Ltd	Tallimadugula	Ananthapur	4.00	05.08.2017
26	M/s Ramabhadra Industries Pvt Ltd	Kankela, Anathapur	Anathapur	2.10	02.09.2017
27	M/s Tirumala Cotton & Agro Products Pvt Ltd	Vajrakarur, Anantapur dist	Ananthapur	2.00	04.11.2017
28	M/s. Si Lakshmi Ganapathi Engineering works	Molagavalli	Kurnool	2	31.03.2018
29	M/s Guntur Spinning mills Pvt. Ltd	Molagavalli	Kurnool	2	08.07.2018
30	M/s.Sri Lalitha Parameswari spinning mills	Molagavalli	Kurnool	2	08.07.2018
31	M/s.Viswateja Spinning mills	Molagavalli	Kurnool	2	01.09.2018
32	M/s. Sri Anantha Lakshmi Spinning mills	Molagavalli	Kurnool	2	26.09.2018
33	M/s. Nukala Rama Koteswara Rao Textiles Pvt. Ltd	Molagavalli	Kurnool	2	26.09.2018
34	M/s. Praveen Spinners	Belguppa	Anantapuram	2.1	14.12.2018
35	M/s. Natco Pharma Ltd.	Belguppa	Anantapuram	2.1	14.12.2018
36	M/s Gajavelli Spinning Mills Pvt Ltd	Molagavalli	Kurnool	2	22.04.2019
				190.925	MW
PROJECTS SELLING ENERGY TO APDISCOMs UNDER REC Mechanism AGREEMENTS:					
Sl. No.	Name of the Plant	Location		Installed Capacity	Commercial Operation
1	Taddas Wind Energy Limited (Phase-I)	Penukond (M) Anantapur Dist.	Ananthapur	12.80	17.07.2012
2	Taddas Wind Energy Limited (Phase-II)	Nallakonda site, Penukond (M)	Ananthapur	3.20	09.07.2012
3	Taddas Wind Energy Limited (Phase-III)	Penukond (M) Anantapur Dist.	Ananthapur	6.40	17.07.2012
4	Taddas Wind Energy Limited (Phase-IV)	Penukond (M) Anantapur Dist.	Ananthapur	9.60	15.07.2012
5	Taddas Wind Energy Limited (Phase-V)	Nallakonda site, Penukond (M)	Ananthapur	8.00	07.07.2012
6	Taddas Wind Energy Limited (Phase-VI)	Penukond (M) Anantapur Dist.	Ananthapur	8.00	07.07.2012
7	Taddas Wind Energy Limited (Phase-VII)	Nallakonda site, Penukond (M)	Ananthapur	2.40	29.11.2012
8	Vish Wind Infrastructure LLP (Phase-I)	Nallakonda site, Penukond (M)	Ananthapur	12.80	15.07.2012
9	Vish Wind Infrastructure LLP (Phase-II)	Nallakonda site, Penukond (M)	Ananthapur	6.40	09.07.2012
10	Vish Wind Infrastructure LLP (Phase-III)	Nallakonda site, Penukond (M)	Ananthapur	1.60	09.07.2012
11	Protectron Electromech Private Limited	Penukond (M) Anantapur Dist.	Ananthapur	0.80	28.07.2012
12	M/s.Oil country tublar ltd	Nallakonda site, Penukond (M)	Ananthapur	0.80	29.09.2012
13	(M/s.Sukaso Ceracolors Private Limited)	Nallakonda site, Penukond (M)	Ananthapur	1.60	09.10.2012
14	M/s.NALCO(National Alumimium Company Limited)	Gandikota YSR Kadapa	YSR Kadapa	50.40	31.12.2012
		Total		**124.800**	**MW**
		GRAND TOTAL		**4079.565**	**MW**

6.4 (c) Commissioning Dates of Generating Units in Private Sector					
Sl. No.	**Name of the Plant**	**Location**	**District**	**Connected Capacity (in KW)**	**Commercial Operation Date**
1	M/s Gautami Solvent Oils	Pydiparru, Tanuku	WG	2750	31.3.1996
2	M/s Jocil Ltd.	Dokiparru (V), Medikondur (M)	Guntur	6000	26.3.2001
3	M/s Vijaya Agro Products Ltd.,	Enikepadu, Vijayawada	Krishna	4000	05.01.2002
4	M/s Sri Kalyani Agro Products & Industries Ltd.	Prathipadu Village, Pentapadu (M)	West Godavari	4000	19.12.2002
5	M/s Shree Papers Ltd., Hyderabad.	Peddapuram(M)	East Godavari	4000	10.3.2003
6	M/s Balaji Agro Oils Ltd.	Davuluru (V), Kankipadu (M)	Krishna	4500	2.06.2003
7	M/s Sudha Agro & Chemical Industries Ltd.	Samalkot	East Godavari	4000	27.12.2000
8	M/s Vamshi Industries Ltd.	Vemulapally	East Godavari	4000	20.4.2001
9	M/s Matrix Power Pvt. Ltd.	Karampudi Village & Mandal	Guntur	4500	15.8.2001
10	M/s SLS Power Pvt. Ltd.	Nellore Village& Mandal	Nellore	6000	23.8.2001
11	M/s Satyakala Power Projects Pvt. Ltd.,	Penamaluru Mandal	Krishna	4000	9.11.2001
12	M/s Varam Power Projects (P) Ltd.	Etcherla(M)	Srikakulam	6000	12.12.01
13	M/s KMS Power Pvt. Ltd.	Sattenapalli (M)	Guntur	6000	22.7.2002
14	M/s Rithwik Energy Systems Ltd.	Srikalahasti Mandal	Chittoor	6000	18.9.2002
15	M/s Suchand Power Generation Pvt. Ltd.,	Nandyal(M)	Kurnool	6000	28.11.2002
16	M/s Veeraiah Non-Conventional Power Projects Pvt. Ltd.,	Pamarru Mandal	Krishna	4000	26.10.2002
17	M/s Perpetual energy Systems Ltd	Appayyapet (V), Seethanagaram(M)	Vizianagaram	6000	23.3.2003
18	M/s Agri Gold Projects Ltd.	Dupadu Village, Tripurantakam (M)	Prakasam	6000	7.7.2003
19	M/s.B.Seenaiah & Co. (Projects) Ltd.	Suryapalem (V), Podalakuru (M)	Nellore	6000	22.10.2003
20	M/s Sathya Maharshi Power Corporation Ltd.,	Amaravathi	Guntur	6000	13.7.2004
21	M/s Jyothi Bio Energy Pvt. Ltd.(2nd Project)	Gundlapalli (V), Maddipadu (M)	Prakasam	6000	25.11.2003
22	M/s Clarion Power Corpn. Ltd.,	Tanguturu (V) & (M)	Prakasam	12000	21.02.2004
23	M/S. Om Shakthi Renergies Limited.	Pannuru (V), Vijayapuram (M),	Chittoor	6000	24.1.2004
24	M/s Velagapudi Power Generation Pvt. Ltd.,	Doppalapudi (V), Ponnur (M)	Guntur	4000	13.12.2006
25	M/s Singaraya Hills Green Power Ltd	Hasnapur(v) Tripurantakam(M)	Prakasam	8000	13.07.2008
26	M/s Jyothi Bio Energy Pvt. Ltd.	Gundlapalli(V), Maddipadu(M)	Prakasam	4500	17.11.2000
27	M/s Sree Rayalaseema Green Energy Pvt. Ltd.	Pandipadu(V), Kallur(M)	Kurnool	5500	07.02.2001
28	M/s Roshini Powertech Pvt Ltd.	Ayyanki (V), Pamarru (M)	Krishna	6000	30.08.2001
29	Greenco Energies Pvt Ltd	Chennur	Kadapa	6000	14.04.2004
30	HCL Agro Power Ltd	Vedadri(V)	Krishna	6000	24.10.2000
31	Vishnu Vidyut India Ltd	Narasingaballi	Visakhapatnam	7500	11.01.2003
		Total Bio mass Projects		**171.25**	

Biomass Co Generation Power Projects (Non-Bagasse)					
32	Lalitha Enterprises	East Godavari dist	East Godavari	0.5	15.8.2003
33	Sri Murali Mohana Para Boiled Rice Mill	East Godavari dist	East Godavari	0.65	26-8-2003
34	Sri Ramadas Paper Boards (P) Ltd	East Godavari dist	East Godavari	4	27-6-2006
35	Surya Chandra Paper Mills Ltd	East Godavari dist	East Godavari	3	27-11-2007
36	Sri Satyanarayana Raw & Boiled Rice (P) Ltd	West Godavari dist	West Godavari	0.75	31-3-2008
37	Delta Paper Mills Ltd	West Godavari dist	West Godavari	9.9	1-12-2007
38	Sree Godavari Kraft Paper (p) ltd	West Godavari dist	West Godavari	3	15-11-2008
39	Sri Gowthami Rice Industries Ltd	East Godavari dist	East Godavari	0.75	25-3-2009
40	Sirius Overseas Pvt. Ltd	East Godavari dist	East Godavari	9	4-1-2009
41	Seven Hills Papers (P) Ltd	East Godavari dist	East Godavari	1.2	25-2-2009
42	Sri Lalitha Enterprises Industries Ltd (Unit II	East Godavari dist	East Godavari	4.7	25-2-2009
43	Pallavi Enterprises, D.No.6-22, Enikepadu, Vijayawada, Rural, Krishna Dist	Enikepadu, Vijayawada, Rural	Krishna	2.5	10-2-2010
44	MGRRice Industries, Polamuru,533 342, Anaparthi Mandal, East Godavari dist	Polamuru	East Godavari	0.89	1-7-2013
45	Adilaxmi Industries, Vetapalem. Rly.Station, East Godavari dist	Vetapalem	East Godavari	0.41	1-4-2014
46	Naga Hanuman Solvent Oils Pvt Ltd, D.No. 7B-15 -45, Maruthinagar, Vippuvari Veedhi, Eastern Street, Eluru, West Godavari dist	Gundugolanu	West Godavari	1.2	1-12-2013
47	Nava Bharat Agro Products Limited, 8-2- 235, Road No.3, Banjara Hills, Hyderabad	Uppalameta	West Godavari	0.95	12-9-2014
48	M/s Ananda Enterprises (India) Pvt Ltd, 27-8- 21/3, Shivaraopet, Bheemavaram, West Godavari dist	Kothapusalamarru	West Godavari	2	1-4-2014
49	M/s Shree Gowthamee Rice Industries (P) Limited, Chelluru, Rayavaram Mandal, East Godavari dist	Cehlluru	East Godavari	0.58	1-2-2014
50	M/s Aroma Biotech Pvt Ltd, St. No. 237/1, Avapadu village, Nallajerla Mandal, West Godavari dist	Avapadu	West Godavari	2.2	12-5-2012
51	M/s. Vijaynagar Bio- Tech Ltd	Kotha Koperla (V), Pusapatiregu (M)	Vizianagara m	1.2	20-2-2013
52	M/s. Nava Bharat Agro Products Ltd, 8-2-235, Road No.3, Banjara Hills, Hyderabad	Uppalametta (V), Jangareddygudem (M)	West Godavari	1	15-3-2015
53	M/s Venkatarama Oil Industries Limited.	Hussainapuram (V), Samarlakota Mandal,	East Godavari	1.3	8-1-2015
54	M/s Veda Bio Fuel Pvt Ltd	Nadipalli(V) Pusapatirega(M)	Vizianagaram(Dt)	3	15-3-2016
55	M/S Shree Gowtami Rice Industries (P) Ltd	Chelluru(V) Rayavaram (M)	East Godavari(Dt)	0.88	1-6-2016
56	M/S Balaji Boiled & Raw Rice mill	Ramavaram (V) Jaggampet	East Godavari(Dt)	0.89	1-6-2016
57	M/s NavaBharat Ltd	Uppalametta (V), Jangareddygudem (M)	West Godavari	6	01.07.2017
58	M/s Sindhura Paper Pvt Ltd	Marampalli(V),Dwaraka Tirumala	West Godavari	3	01.07.2017
Total Biomass Co Generation Power Projects (Non-Bagasse)				**65.45**	

6.4 (c) Commissioning Dates of Generating Units in Private Sector					
Sl. No.	**Name of the Company**	**Location (District)**	**District**	**Connected Capacity (in MW)**	**Date of Commis-sioning**
	Bagasse Co-generation (Under Power Purchase Agreement)				
1	M/s.KCP Sugar & Industries Corporation Ltd.	Vuyyuru (V&M), Krishna Dist.APSPDCL	Krishna	12.00	26.12.2005
2	M/s KCP Sugars & Industries Ltd.,	Lakshmipuram (V), Challapalli (M), Krishna Dist., APSPDCL	Krishna	5.00	17.01.2006
3	M/s Empee Power Projects Ltd	Nellore District	Nellore	20.00	12.03.2010
4	M/s GMR Technologies & Industries Ltd.	Sankili (V), R.Amadalavalasa (M)Srikakulam Dist. APEPDCL	Srikakulam	16.00	15.8.2001
5	M/s The Etikoppaka Co-operative Agricultural and Industrial Society Limited.	Daralapudi (V), S.Rayavaram (M), Visakhapatnam Dt.APEPDCL	Visakhapatnam	4.50	1.3.2001
6	M/s. The Chodavaram Co-operative Sugars Ltd.,	Govada (V), Chodavaram (M), Visakhapatnam Dt. APEPDCL	Visakhapatnam	14.00	6.04.2003
7	M/s.KBD Sugars (Formerly Shree Vaani Sugars & Industries) Limited	Mudipapanapalli (V)Punganur (M), Chittoor Dist.APSPDCL	Chittoor	9.00	08.08.2003
8	M/s The Jeypore Sugar Company Ltd.	Chagallu (V)& (M), West Godavari Dist.APEPDCL	West Godavari	12.00	11.12.2003
9	M/s Nava Bharat Ferro Alloys Ltd. (Deccan Sugars)	Samalkot, East Godavari Dt., APEPDECL	East Godavari	9.00	2 MW-7.2.99 7 MW-23.11.05
			Total -I	101.50	
	Bagasse Co-generation (Under PWPAs)				
10	M/s Sudalagunta Sugars Ltd.	Mayuranagar (V) B.N.Kandriga Mandal Chittoor Dist.APSPDCL	Chittoor	8.00	09.06.1999
11	M/s The Andhra Sugars Ltd., Venkatarayapura, Tanuku, West Godavari Dist.	Sugar Unit-II, Tadwai, West Godavari Dist.,APEPDCL	West Godavari	7.00	21.01.1999
			Total -II	15.00	
	Bagasse Co-generation (Under Open Access and Capitive)				
12	M/s Sri Sarvaraya Sugars Limited	M/s Sri Sarvaraya Sugars Ltd., Chelluru, Rayavaram MD, East Godavari dist.	East Godavari	19.65	25.12.2008
13	M/s NCS Sugars Ltd	Lachayyapeta, Bobbili in Vizianagaram Dist	Vizianagaram	20	15.06.2007
14	Saritha Sugars Ltd, Prabhagiripatnam (V) Podalkur (M) Nellore Dist	Prabhagiripatnam (v) Podalkur(M) Nellore dist.	Nellore	6	00.04.2001
15	Krishnaveni Sugars Ltd, D.No.3-5-821, Doshi Square, Hyderabad	Ramakrishnapuram, West Godavari	West Godavari	28	19.10.2003
16	Jeypore Sugars Company Ltd (Unit II), Pothavaram, West Godavari dist. 534 176,	Pothavaram (V&MM) West Godavari	West Godavari	16.8	19.10.2003
			Total -III	90.45	
			Total Bagasee	**206.95**	MW
	Industrial Waste Based				
1	M/s Vensa Biotek Ltd.	Samalkot	East Godavari	5000	20.11.2003
2	M/s Sai Renewable Power Pvt. Ltd.	Kamavarapukota	East Godavari	4500	08.04.2004
3	M/s Foods, Fats & fertilizers Ltd.	Tadepalligudem	West Godavari	6000	04.05.2006
4	M/s Rao's Power Pvt Ltd	Dupalapudu(V)	East Godavari	3660	27.02.2009
5	M/S Ruchi Soya Industries	Peddapuram	East Godavari	500	30.08.1999
6	M/S Devi Corn Products	Biccavolu	East Godavari	1500	01.03.2004
7	M/s Sarvarava Sugars Ltd.	Chelluru	East Godavari	1000	25.06.2006

6.4 (c) Commissioning Dates of Generating Units in Private Sector					
Sl. No.	**Name of the Company**	**Location (District)**	**District**	**Connected Capacity (in MW)**	**Date of Commis-sioning**
8	M/s Jeypore Sugar & Industries Corp Ltd	Chagallu (V & M)	East Godavari	1000	27.06.2007
9	M/s Kcp Sugars Ltd	Vuyyur(V&M)	Krishna	1000	07.02.2006
10	M/s Tern Distilleries	Tallapalem	Visakhapatnam	750	07.12.2006
11	M/s Godrej Oil Palm	Ch Pothepally	East Godavari	1600	01.12.2010
12	M/s Redan Infrastructure Pvt Ltd	Kallupalli(V)	Chittoor DT	7500	04.06.2015
13	M/s Richmond Power Private Ltd	Koduru (V), Garividi	Vizianagaram	6000	01.03.2016
		Industrial Waste Based (Total) in MW		**40.01**	MW
	Municipal Waste Based (Under PPAs)				
1	M/s Shriram Energy Systems Ltd.	Vijayawada	Krishna	6000	14.12.2003
2	Vijayawada Municipal corporation	Vijayawada	Krishna	150	11.11.2004
		Municipal Waste Total in MW		**6.15**	
	Solar Based			**Connected Capacity (in MW)**	
1	B.G. Channappa, Class-I, K.P.W.D Contractor	Manepalli	Ananthapur	4.000	22.04.2013
2	M/s Value Labs LLP	Maddimaduggu	Ananthapur	5.000	24.04.2013
3	M/s Emmvee Energy Pvt. Ltd	Manepalli	Ananthapur	10.000	04.05.2013
4	M/s KCP Ltd.	Muktyala	Krishna	1.150	06.06.2016
5	Sri city power	Chervi	chittoor	3.000	29.10.2013
6	M/s Ravali spinners	Tanuku	West Godavari	1.000	05.01.2014
7	M/s Trimax Sands Pvt. Ltd.	Vatsavalasa	Srikakulam	1.000	26.03.2014
8	M/s Solarays Eco energy inc	Beechiganipalli	Ananthapur	2.000	29.04.2014
9	M/s.Meda Sreedhar	Beechiganipalli	Ananthapur	2.000	29.04.2014
10	M/s Prakasha Motors	Beechiganipalli	Ananthapur	1.000	29.04.2014
11	M/s Prakasha Agencies	Beechiganipalli	Ananthapur	1.000	29.04.2014
12	M/s Emmvee Energy Pvt. Ltd	Beechiganipalli	Ananthapur	4.000	29.04.2014
13	M/s Andhra Sugars	Kovvuru	West Godavari	2.500	21.06.2014
14	M/s Indira Power Pvt Ltd	Karur(V),Tada(M)	Nellore	0.700	28.06.2014
15	M/s Savita Renewable Energy Pvt Ltd	Kamepalli	Guntur	1.000	19.01.2015
16	M/s Arkha Solar Power Pvt Ltd	Elakolanu	East Godavari	9.900	-01.2015
17	M/s Amaravathi Textiles Pvt Ltd	Atmakur	Nellore	5.000	31.03.2015
18	M/s Lakshmi Venkateswara Green Energy Pvt ltd.	Morasapudi, Nuziveedu(M)	Krishna	1.000	30.06.2014
19	M/s Abhedya Power Pvt Ltd.	Ubicherla	Ananthapur	2.000	08.08.2014
20	M/s Sri Vijaya Visakha Milk Producers Co.Ltd	Malicherla (V)	Vizianagaram	1.500	27-11-15
21	M/s Pragathi Group,, Chintalapudi (M)	Kanupade (V), urlagudem Panchayath	W.G.Dist.	2.000	31-12-15
22	Varshini Exim Pvt Ltd, Tirupati	Nagirimsdugu, Vayalapudu Mandal	chittoor	2.400	30.04.2015
23	Emmvee Energy Pvt Ltd Bangalore	Gowriganipalli, Lepakshi Mandal	Ananthapur	5.400	17.07.2015
24	Vuddanda Solar Projects(P) Ltd	Chintamakulapalli(V), Sodum(M)	chittoor	3.000	01.10.2015
25	M/s Sai Achyut Energy Pv Ltd	Jagdurthy (V), Dhone(M)	Kurnool	5.000	18.10.2015
26	M.s Rajatatna Energy Holdings Pvt Ltd	Maddimaduggu, Nallacheruvu(M), Kadiri Town	Ananthapur	5.000	22.11.2015
27	Amaravathi Textiles Pvt Ltd	Nellorepalem(V), Atmakur(M)	Nellore	5.000	28.11.2015
28	M/s GRT Jewellers (India) Pvt Ltd	Jammalabanda, Ananthpuram	Ananthapur	6.000	05.01.2016
29	M/s Bright Solar Energy Pvt Ltd	Jammalabanda, Ananthpuram	Ananthapur	10.000	05.01.2016
30	M/s Palnadu Solar Power Pvt Ltd	Inimella (V), Ipur(M)	Guntur	2.750	29.01.2016
31	M/s Palnadu Solar Power Pvt Ltd	Inimella (V), Ipur(M)	Guntur	2.250	31.03.2016
32	M/s Renew Solar Power Pvt Ltd	Adoni	Kurnool	39.000	04.03.2016
33	M/s Renew Solar Power Pvt Ltd	Tarupadu (V&M)	Prakasam	21.000	08.03.2016
34	M/s Welpsun Renewable Energy Pvt Ltd	Balapur, Kadapa Dist	Kadapa	30.000	20.03.2016
35	M/s Ushodaya Enterprises Pvt Ltd	Vemulapadu & Titrallapalle(V) Yadiki(M)	Ananthapur	5.000	23.03.2016
36	M/s Azure Power India Pvt Ltd	Vemulapadu & Titrallapalle(V) Yadiki(M)	Ananthapur	50.000	28.03.2016
37	M/s Aarohi Solar (Acme Clean Tech Solutions) Ltd	Hindupur	Ananthapur	50.000	30.03.2016
38	M/s Welpsun Renewable Energy Pvt Ltd	Banaganapalli	Kurnool	70.000	30.03.2016
39	M/s EAAMA Estates Pvt Ltd	GR Valasa	Vizianagaram	3.000	30.03.2016

6.4 (c) Commissioning Dates of Generating Units in Private Sector					
Sl. No.	**Name of the Company**	**Location (District)**	**District**	**Connected Capacity (in MW)**	**Date of Commis-sioning**
40	First Solar Power India Pvt Ltd(Hindupur Solar Park Pvt. Ltd)	Beechiganipalli and Seagipalle(V), Parigi(M)	Ananthapur	40.000	31.03.2016
41	Acme Clean Tech (M/s Dayanidhi Solar Power Pvt Ltd)	Morasapudi, & Gunjarlapalli (V), Kuppam(M)	chittoor	40.000	31.03.2016
42	Acme Clean Tech (M/s Vishwatma Solar Power Pvt Ltd)	Kadivella (V), Yemmiganur(M)	Kurnool	20.000	31.03.2016
43	Acme Clean Tech (M/s Niranjana Solar Power Pvt Ltd)	PUCHAKAYALA Mada(V), Pathikonda (M)	Kurnool	20.000	31.03.2016
44	ACME Clean Tech (M/s.Vishwatma Solar Energy Pvt.Ltd)	Kadivella Village Yemmiganur Mandal	Kurnool	10.000	15-4-2016
45	First Solar Power India Pvt Ltd (penugur)	Punganur	Chittoor	40.000	9-5-2016
46	ACME Clean Tech (M/s.Jaisalmer Solar power Pvt.Ltd)	Rohukurupalli (V) Rayachoti,Ramapuram(M)	Cuddapah	20.000	12-5-2016
47	Waneep Solar Pvt Ltd	Marrimakulapalli(V) Guramkonda(M)	Chittoor	25.000	19-5-2016
48	Sumeru Energy Pvt Ltd	Jagadurthy(V) Dhone(M)	Kurnool	1.000	23-6-2016
49	SSR Agro Energy	Gajulapellore(V) BN Kandrikga (M)	Chittoor	1.000	9-4-2016
50	M/S Varshini Exim Pvt Ltd	Nagari Madugu-SS(V) Voyalpadu(M)	Chittoor	1.000	4-8-2016
51	Visakhapatnam Port Trust	Visakhapatnam	Visakhapatnam	6.250	18-8-2016
52	Sri Jaya Jyothi Cements Pvt Ltd	Yanakandla (V) Banaganapalli(M)	Kurnool	1.000	24-8-2016
53	M/S Vallala Sujatha (SPROUTS Solar Energy Pvt Ltd)	Pamulapadu	Kurnool	2.000	8-9-2016
54	M/S Ushodaya Enterprises	Tadimarri (V) & (M)	Ananthapur	5.000	22-9-2016
55	Sumeru Energy Pvt Ltd	Jagadurthy(V) Dhone(M)	Kurnool	4.000	22-9-2016
56	M/S VBC Renewable Energy Pvt Ltd	Garividi	Vizianagaram(Dt)	3.000	22-7-2016
57	M/S Narasimha Swamy Solar Generations Pvt Ltd	Peravali Singanamala (M)	Ananthapur	5.000	26-9-2016
58	M/S Yashwanth Solar Energy Pvt Ltd	Kothapalli Mudunuru (M)	Kadapa	1.000	1-10-2016
59	Repal Renewables Pvt Ltd	Thanakallu (V&M)	Ananthapur	4.900	19-11-2016
60	Sri Varahalakshmi Narasimha Swamy Devasthanam	Simhachalam	Visakhapatnam	1.000	3-2-2017
61	Tirumala Tirupati Devasthanams	Kasavaripalli (V) Thamballapalle (M)	Chittoor	3.000	2-2-2017
62	Kanti Brothers oils Pvt Limited	Kurnool	Kurnool	3.000	11-2-2017
63	Sri Chakra cements Projects Co Private Limited	Perindesam (V) KVB Puram (M)	Chittoor	2.000	9-2-2017
64	IFMR	Sri Kalahasti, Chithoor District	Chittoor	0.500	10-3-2017
65	SVR Corporation Pvt Ltd	Jillelamanda(V), KV Palli(M), Chotoor	Chittoor	2.000	15-3-2017
66	Nateems Green Energy Pvt Ltd	Thimmapuram SS, Kadiridevarapalli(V)_, Kambadar (M), Ananthapuram	Ananthapur	9.900	24-3-2017
67	GSL Educational Society	Mallampdui(V) & Tokanda (V) , Rajamandry, East Godavari District	East Godavari	1.500	31-3-2017
68	Cyber Village Solutions (P) Ltd	Yeleswaram (V&M)	East Godavari	2.000	31-3-2017
69	Repal Rnewables Pvt Ltd	Thanakallu (V&M)	Ananthapur	5.100	31-3-2017
70	Nateems Solar power Pvt Ltd	Elakolanu (V), Rangampeta (M),	East Godavari	1.000	31-3-2017
71	B.G.Channappa, Class-I, K.P.W.D. Contractor	Gowriganipalli	Ananthapur	2.000	31-3-2017
72	Vyshaka Solar Energy System Pvt Ltd	Nuthanakaluva SS, MV Palii(V), KV Palli (M), Chitoor District	Chittoor	2.000	31.03.2017
73	Tirumala Tirupathi Devasthanams	Kasavaripalli	Chittoor	7.000	31.3.2017
74	Nateems Green Energy Pvt Ltd	Garividi	Vizianagaram	10.000	31.03.2017
75	M/s Aurobind Pharma Ltd	Pydibhimavaram	Srikakulam	30.000	21.05.2017
76	M/s SEI Arishi	Kadiri	Ananthapur	30.000	28.10.2017
77	M/s SEI Green Flash	Adurupalli	Nellore	30.000	27.10.2017
78	M/s Rain Coke Project	Kunuthur,Dharmavaram(M)	Kurnool	22.000	07.11.2017
79	M/s Sri Chakra Cements Pvt Ltd	Perindesam (V) KVB Puram (M)	Chittor	3.000	09.03.2018

6.4 (c) Commissioning Dates of Generating Units in Private Sector					
Sl. No.	**Name of the Company**	**Location (District)**	**District**	**Connected Capacity (in MW)**	**Date of Commis-sioning**
80	M/s Sri City Power Ltd.	Varadaya Palem	Chitoor	2.000	18.03.2012
81	M/s Sri Power Generation India Pvt Ltd.	Kotagallu, Kadiri(M)	Ananthapur	1.000	14.01.2012
82	M/s Sai Sudheer Energy Ltd.	T. Verapuram (V), Rayadurga(M)	Ananthapur	5.000	05.01.2012
83	M/s.Welspon Ltd	Pulivendula (V)	Kadapa	5.000	31.12.2011
84	M/s Amrit Jal Ventures Pvt. Ltd	Kotagullu, Kadiri(M)	Ananthapur	1.000	07.03.2012
85	M/s APIIC Limited.	Indusrial Park, Gooty	Ananthapur	1.000	15.03.2012
86	M/s Gajanan Financial Services Pvt. Ltd.	Laddagiri (V)	Kurnool	1.000	14.03.2012
87	M/s Kishore Electro Infra Pvt. Ltd.	Perecherla (V) Guntur Rural	Guntur	1.000	13.03.2012
88	M/s Rithwick Projects Pvt. Ltd,	Kotagullu, Kadiri(M)	Ananthapur	2.000	25-04-2012
89	M/s Sai Sudheer Energy Ltd.	Kalyandurg	Ananthapur	20.000	26-4-2013
90	M/s Andhra Pradesh Industrial Infrastructure Corporation Ltd,	Gooty	Ananthapur	1.000	15.03.2012
91	M/s Rithwick Projects Pvt. Ltd,	Kotagullu, Kadiri(M)	Ananthapur	3.000	07-05-13
92	M/s MEIL Green Power	Nagalapuram	Ananthapur	50.000	04.11.2014
93	M/s New & Renewable Energy Development Corpn of AP Ltd (NREDCAP)	Gollavanitippa, Bhimavaram Rural (M)	West Godavari	1.000	30/03/2016
94	NTPC (NP Kunta Ultra Mega Solar park)	NP Kunta	Ananthapur	200.000	15.04.2016
95	NTPC (NP Kunta Ultra Mega Solar park)	NP Kunta	Ananthapur	50.000	29.7.2016
97	SSR Agro Energy	Kandriga, Chitoor District	Chitoor	1.000	15-3-17
98	NTPC (sunEdison Projects)	Kurnool ultra mega solar park	Kurnool	500.000	31-3-17
99	M/s Azure Power India Pvt Ltd (NTPC)	Kurnool ultra mega solar park,Ghani	Kurnool	50.000	20.04.2017
100	M/s Azure Power India Pvt Ltd (NTPC)	Kurnool ultra mega solar park,Ghani	Kurnool	50.000	26.05.2017
101	M/s Prayatna Developers Private Ltd	Kurnool Ultra Mega Solar Park	Kurnool	30.000	28.06.2017
102	M/s Prayatna Developers Private Ltd	Kurnool Ultra Mega Solar Park	Kurnool	20.000	15.07.2017
103	M/s SEI Sriram power Pvt ltd (M/s Emmvee Energy Pvt)	Manasamudram	Ananthapuramu	4.000	17.09.2015
104	M/s SEI Sriram power Pvt ltd (M/s Emmvee Energy Pvt)	Ananthapuramu	Ananthapuramu	10.000	01.09.2014
105	M/s SEI Sriram power Pvt ltd (M/s Emmvee Energy Pvt)	Manasamudram	Ananthapuramu	5.400	08.04.2016
106	M./s. Bhashyam renewable energy Pvt.ltd (M/s. Savitha renewable energy pvt. Ltd.	Piduguralla	Guntur	1.000	19.01.2015
107	M/s. Southrern rocks and minerala Pvt.ltd.	Pelluru (V), Ongole.	Prakasam Dist	1.030	30.04.2014
108	Repal Rnewables Pvt Ltd (Vijayanagaram)	Tokada(V), Rajanagaram(M),	East Godavari	6.000	31.03.2017
109	M/s. Amplus Andhra power pvt. Ltd	Eedupugallu (V), Kankipadu (M)	Krishna	2.000	30.12.2017
110	M/s. Odysseus logos LLP	Gandlaparty(V), Rathadu (M), Ananthapuramu	Ananthapuramu	2.000	30.12.2018
111	M/s. Sri Subramanya Solar power projects LLP	Perindesam(V), KVB Puram(M),	Chittoor Dist	2.000	11.08.2018
112	M/s. Sri power gen power (Cherivi)	Tirupathi	Chithoor	2.000	18.03.2011
113	M/s.AP industrial infra corp.ltd	Industrial park Gooty,	Ananthapur	1.000	15.03.2012
114	M/s. Waneep solar pvt. ltd	Nagiri	Chithoor	25.000	2.08.2018
115	M/s.Bharathi Solar Power Ltd	Guntur	Guntur	1.000	13.12.2014
116	M/s NSS Solar Power	Hindupur	Ananthapur	1.000	23.09.2014
117	M/s Repal Renewables Pvt Ltd,(Komatikuntla)	Komatikuntla	Ananthapur	10.000	17.11.2017
118	M/s Solar Power Gen - II Sri Power(JNNSM)	Kotagullu Village	Ananthapur	1.000	14.1.2012
119	M/S New Era Venture Pvt. Ltd,Hyderabad	Rayachoti, Kadapa	Kadapa	10.000	24.01.2014
120	NTPC (Gani, kurnool Solar Park.)(SB Energy)	Kurnool	Kurnool	350.000	08.01.2016

6.4 (c) Commissioning Dates of Generating Units in Private Sector					
Sl. No.	**Name of the Company**	**Location (District)**	**District**	**Connected Capacity (in MW)**	**Date of Commis-sioning**
121	SECI(solar park at Galivedu)	Kadapa	Kadapa	400.000	27.10.2016
122	SB Solar Services Pvt. Ltd	Midhur	Kurnool	3.000	29.06.2018
123	M/s Engie Solar (Solaire Direct)	Mylavaram	Kadapa	200.000	03.05.2019
124	Sree Godavari Kraft Papers Pvt Ltd	Kadalur	Kurnool	3.000	19.11.2019
125	SB Energy Solar Private Limited	NP Kunta	Ananthapur	237.500	20.12.2019
126	M/s Engie Solar (Solaire Direct)	Mylavaram	Kadapa	50.000	08.02.2020
127	M/s Chitturi Projects pvt Ltd	Kaligiri,	Nellore	1.000	19.03.2020
		Solar (Total) in MW		3116.630	
	Mini Power Plants				
1	Sri Vatsa Power Projects Ltd.,	Sivakodu (V), Razol (M)	East Godavari	17.200	01.05.2002
		Mini Power Plants (Total) in MW		**17.200**	
State Installed Capacity Grand Total in MW				**20208.171**	

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

M U

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

Retired from service due to normal wear & tear w.e.f 1.4.1984

Retired from service due to normal wear & tear w.e.f 1.12.1984

Retired from service due to normal wear & tear

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

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

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

6.5 STATION WISE GENERATION - THERMAL (2014-15 TO 2019-20)

S.No.	Year	VTPS	RTPP	Krishnapatnam	TOTAL in MU
1	2014-15 (Apr to May)	2022.18	1124.74	38.42	3185.34
	2014-15 (Jun to Mar)	9553.27	5294.22	1380.99	16228.48
2	2015-16	10972.67	6542.75	4529.01	22044.43
3	2016-17	10627.3	6019.93	8081.53	24728.76
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	10024.290	5798.100	6647.590	22469.980

6.5(A) GAS BASED STATION (VIJJESWARAM) GENERATION (MU) (JOINT SECTOR) 2014-15 TO 2019-20

S.No	Year	VJSM Stage - I	VJSM Stage - II Commissioned on 31-03-1997	TOTAL in MU
1	2014-15 (Apr to May)	0.20	172.40	172.60
	2014-15 (Jun to Mar)	4.99	451.71	456.70
2	2015-16	0.63	681.46	682.09
3	2016-17	230.06	443.76	673.82
4	2017-18	546.76	618.28	1165.04
5	2018-19	292.68	798.72	1091.40
6	2019-20	391.68	588.95	980.63

(*) Generation data as per SLDC

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

MU

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

6.6 STATION WISE GENERATION - HYDEL (2015-16 to 2019-20)

MU

Sl. No	Year	Machkund	T.B.Dam &Hampi	Upper Sileru	Lower Sileru	Nagarjuna sagar RCPH	Nagarjuna sagar Tail pond HES	Srisailam (RBHS)	Donkarayi	Penna ahobilam	Mini Hydel 11kV & 33kV	Total
1	2015-16	297.27	97.82	508.85	1236.40	0.00	**	207.70	116.54	7.12	2.00	2473.70
2	2016-17	372.40	64.51	339.70	830.20	6.70	11.90	638.40	60.64	12.90	2.20	2339.55
3	2017-18	250.56	74.90	482.28	1108.39	57.06	42.22	574.20	119.62	4.31	2.28	2715.82
4	2018-19	289.92	96.66	473.87	1090.74	100.14	0.12	549.27	76.14	1.41	2.18	2680.45
5	2019-20	340.64	158.00	623.32	835.73	101.2	75.51	1296.57	70.19	0.72	27.72	3529.60

*As per data received from APGENCO

6.7 GENERATION, PURCHASE, IMPORT AND EXPORT OF ENERGY

Generation (Gross), Purchases, imported and wheeled

Year	Hydel	Thermal	Total	NTPC+MAPP + Kaiga+Neyveli	Karnataka	Tamil Nadu	Orissa	M.P / GEB/PSEB /CSEB	Maharashtra	Others $	Total	Grand Total
1971-72	1221	1824	3045	-	266	14	-	-	-	-	280	3325
1972-73	974	2053	3027	-	103	44	-	-	-	-	147	3174
1973-74	910	2196	3106	-	67	43	395	-	-	-	505	3611
1974-75	533	2709	3242	-	81	33	518	-	-	-	632	3874
1975-76	941	2729	3670	-	47	95	332	-	-	-	474	4144
1976-77	1680	3145	4825	-	50	56	223	-	-	-	329	5154
1977-78	2002	3146	5148	-	58	99	105	-	-	-	262	5410
1978-79	3180	2876	6056	-	50	67	10	-	-	-	127	6183
1979-80	3225	3268	6493	-	48	55	1	-	-	-	104	6597
1980-81	3680	3596	7276	-	32	42	28	-	-	-	102	7378
1981-82	3984	5093	9077	-	9	10	21	-	-	-	40	9117
1982-83	4684	5562	10246	-	6	-	16	7	-	-	29	10275
1983-84	5092	5909	11001	173	1	-	-	9	-	-	183	11184
1984-85	6716	5835	12551	834	-	-	-	17	-	-	851	13402
1985-86	5453	6772	12225	2095	-	-	-	141	-	-	2236	14461
1986-87	6517	7282	13799	1979	-	-	-	240	-	-	2219	16018
1987-88	5864	7986	13850	1605	-	30	-	212	-	-	1847	15697
1988-89	6878	7263	14141	2376	1	6	-	527	-	-	2910	17051
1989-90	7802	7222	15024	3550	4	-	-	468	-	25	4047	19071
1990-91	10017	8102	18119	2725	2	-	-	73	135	49	2984	21103
1991-92	9516	8726	18242	4595	-	-	48	22	140	461	5266	23508
1992-93	8758	9114	17872	6748	-	-	-	201	87	466	7502	25374
1993-94	9633	9639	19272	7612	-	-	-	32	346	603	8593	27865
1994-95	9687	10842	20529	8449	-	-	149	109	208	541	9456	29985
1995-96	6662	15103	21765	7814	-	-	585	34	89	637	9159	30924
1996-97	7970	16720	24690	6964	-	-	290	6	-	1733	8993	33683
1997-98	7245	19019	26265	7321	-	-	651	0	260	3649	11881	38146
1998-99	7189	19834	27023	6921	-	-	924	51	340	5314	13551	40573
APGENCO												
1999-2K	8133.00	21499.10	29632.10									29632.10
2000-01	7230.68	21934.25	29164.93									29164.93
2001-02	5757.10	22245.00	28002.10									28002.10
2002-03	3336.85	23032.54	26369.39									26369.39
2003-04	2958.98	22455.39	25414.37									25414.37
2004-05	5267.22	21145.07	26412.29									26412.29
2005-06	7872.53	18718.33	26590.86									26590.86
2006-07	9246.63	19994.07	29240.70									29240.70
2007-08	9509.76	21451.57	30961.33									30961.33
2008-09	7702.54	23294.47	30997.01									30997.01
2009-10	5450.48	24101.16	29551.64									29551.64
2010-11	7717.67	26845.62	34563.29									34563.29
2011-12	6375.55	32893.11	39268.66									39268.66
2012-13	3206.64	34729.55	37936.19									37936.19
2013-14	7142.91	31706.00	38848.91									38848.91
2014-15	3750.30	19868.38	23618.68									23618.68
2015-16	2486.51	21217.17	23703.68									23703.68
2016-17	2312.58	24728.76	27041.34									27041.34

Western Electricity Boards

$ Column (11) includes Other's (APGPCL,NTPC,Wind,Mini hydel,Co-Gene 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	22469.98	25999.58	980.63	14698.30	5244.10	6613.47	4674.80	4711.81	62922.69

* 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	32.0✹	880.00
1997-98	36357.51	24309.11	27.61	24336.72	12020.79	33.0✹	694.65
1998-99	38720.01	23982.4	24.00	24006.40	14713.61	38.0✹	1462.36

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

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

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

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

6.9 PERFORMANCE OF VIJAYAWADA THERMAL POWER STATION

S.No.	Item	Unit	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20
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
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
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
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
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
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
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
10.	KWH / KW		8118	8162	8067	7818	7742	7900	7750	8207	7704	7050	8045	7620	7292	7219	6856	6622	6149	6186	6284

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
1.	Units generated	MU	3401.58	3353.78	2370.99	3293.67	4416.59	6741.61	6376.56	6255.32	8075.76	7692.6	7056.69	7163.53	7292.70	6712.60	6926.44	6637.32	6408.29
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
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	9.5
4.	Service hours	Hrs	8179.51	8142.17	6137.55	8058.62	7827.61	8351.2	7862.45	7805.5	8288.3	7954.75	7633.72	7960.65	8270.37	7680.38	7691.43	6570.76	5485.05
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
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
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
10.	KWH / KW		8099	7985	5645	7842	7010	8026	7591	8178	7691	7326	6721	6822	6945	6393	4198	4023	3884

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

Contd ..

6.12 PERFORMANCE OF THERMAL UNITS SINCE COMMISSIONING

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

Contd ..

6.12 PERFORMANCE OF THERMAL UNITS SINCE COMMISSIONING

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

Contd ..

6.12 PERFORMANCE OF THERMAL UNITS SINCE COMMISSIONING

Station	Capa-city MW		1985 - 86 Gen MU	1985 - 86 PLF %	1986 - 87 Gen MU	1986 - 87 PLF %	1987 - 88 Gen MU	1987 - 88 PLF %	1988 - 89 Gen MU	1988 - 89 PLF %	1989 - 90 Gen MU	1989 - 90 PLF %	1990 - 91 Gen MU	1990 - 91 PLF %	1991 - 92 Gen MU	1991 - 92 PLF %
VTPS																
Unit - I	210		1662.79	90.39	1684.79	91.58	1690.44	91.64	1432.80	77.91	1643.70	89.40	1513.13	82.25	1443.51	78.25
Unit - II	210		1607.02	87.36	1640.85	89.20	1721.25	93.31	1670.20	90.80	1318.00	71.70	1530.39	83.19	1321.89	71.66
Unit - III	210		--	--	--	--	--	--	--	--	413.70	72.00	1584.00	86.11	1174.86	63.69
Unit - IV	210		--	--	--	--	--	--	--	--	--	--	71.03	--	1374.25	74.50
STATION	840		3269.81	88.87	3325.64	90.39	3411.69	92.48	3103.00	84.30	3375.40	79.40	4698.55	83.85	5314.51	72.03
KTPS `A'																
Unit - I	60		382.86	72.84	333.85	63.52	394.21	74.80	204.20	38.80	433.00	82.40	305.44	58.11	139.91	26.55
Unit - II	60		345.46	65.73	137.23	26.11	460.44	87.36	422.10	80.00	392.80	74.70	288.14	54.82	380.39	72.17
Unit - III	60		387.28	73.68	354.55	67.46	196.60	37.31	287.70	54.70	391.40	74.50	172.98	32.91	291.87	55.38
Unit - IV	60		19.29	3.67	418.91	75.70	392.38	74.45	401.90	76.50	169.70	32.30	329.03	62.60	296.01	56.16
STATION	240		1134.89	53.98	1244.54	59.20	1443.63	68.48	1315.90	62.60	1386.90	66.00	1095.59	52.11	1108.18	52.17
KTPS `B'																
Unit - V	110		415.32	43.10	424.79	44.08	600.30	62.13	618.40	64.20	464.00	48.70	414.27	45.04	544.40	58.92
Unit - VI	110		279.34	28.99	433.54	44.98	612.59	63.40	583.40	60.60	559.40	58.70	502.84	54.67	505.04	54.87
STATION	220		694.66	36.04	858.33	44.53	1212.89	62.76	1201.80	56.40	1023.40	53.70	917.11	49.85	1049.44	56.89
KTPS `C'																
Unit - VII	110		520.99	54.07	615.78	63.90	641.27	66.37	455.80	47.30	653.40	67.80	490.37	50.87	418.59	43.32
Unit - VIII	110		539.24	55.96	634.66	65.87	711.99	73.69	632.00	65.60	390.00	40.50	438.32	45.49	405.19	41.93
STATION	220		1060.23	55.01	1250.44	64.88	1353.26	70.03	1087.80	56.40	1043.40	54.10	928.69	48.19	823.78	42.63
			1060.23													
KTPS																
TOTAL	680		2889.78	48.51	3353.31	56.29	4009.78	67.13	3605.50	60.50	3453.70	58.20	2941.39	50.12	2981.40	50.66
RTS B	62.5		493.07	90.06	435.83	79.60	390.80	71.18	389.80	71.00	250.90	45.80	399.80	73.02	309.53	56.38
NTS	30		119.17	45.34	167.17	63.60	173.28	65.76	165.10	62.80	141.80	54.00	61.88	23.55	120.73	45.82
TOTAL																
THERMAL	1612.5		6771.83	64.82	7281.95	69.71	7985.55	76.23	7263.40	69.50	7221.80	65.70	8101.62	65.83	8726.17	61.99
ALL INDIA				52.40		53.29		56.40		55.00		56.40		53.80		55.30
200 / 210				59.60		59.60		63.80		50.70		61.70		60.30		60.90
MW Unit																

Contd ..

6.12 PERFORMANCE OF THERMAL UNITS SINCE COMMISSIONING

Station	Capa-city (MW)	1992 - 93 Gen MU	1992 - 93 PLF %	1993 - 94 Gen MU	1993 - 94 PLF %	1994 - 95 Gen MU	1994 - 95 PLF %	1995 - 96 Gen MU	1995 - 96 PLF %
VTPS									
Unit-I	210	1275.58	69.34	1420.58	77.22	1592.26	86.55	1621.13	87.88
Unit-II	210	1386.21	75.35	1499.55	81.52	1575.13	85.62	1623.61	88.02
Unit-III	210	1444.93	78.55	1587.90	86.32	1488.50	80.91	1693.74	91.82
Unit-IV	210	1551.93	84.36	1401.36	76.18	1579.11	85.84	1712.18	92.82
Unit-V	210	--	--	--	--	1047.58	81.48	1738.04	94.22
Unit-VI	210	--	--	--	--	35.50	--	1469.05	98.20
STATION	1260	5658.65	76.90	5909.39	80.31	7318.08	84.37	9857.75	91.71
KTPS-A									
Unit-I	60	347.26	66.07	354.56	67.46	319.80	60.84	299.16	56.76
Unit-II	60	307.29	58.46	334.22	63.59	286.16	54.44	319.51	60.62
Unit-III	60	317.46	60.40	320.17	60.92	305.52	58.13	294.67	55.91
Unit-IV	60	282.81	53.81	318.08	60.54	295.93	56.30	304.99	57.87
STATION	240	1254.82	59.69	1327.03	63.12	1207.41	57.43	1218.33	57.79
KTPS-B									
Unit-V	110	505.29	54.93	470.19	51.12	493.39	53.64	558.94	60.60
Unit-VI	110	407.98	44.36	604.70	65.74	581.72	63.24	559.04	60.61
STATION	220	913.27	49.64	1074.89	58.43	1075.11	58.44	1117.98	60.61
KTPS-C									
Unit-VII	110	464.24	48.18	457.47	47.48	399.81	41.49	582.37	60.27
Unit-VIII	110	499.94	51.88	400.03	41.51	375.06	38.92	495.20	51.25
STATION	220	964.18	50.33	857.50	44.49	774.87	40.01	1077.57	55.76
KTPS TOTAL	680	3132.27	53.37	3259.42	55.53	3057.39	52.09	3413.88	58.01
KTPS-V									
Unit-1X(Stab.)	250	-	-	-	-	-	-	-	-
Comml. from 1.10.97		-	-	-	-	-	-	-	-
Unit-X	250	-	-	-	-	-	-	-	-
TOTAL	500	-	-	-	-	-	-	-	-
RTPP-U-I	210	-	-	-	-	-	-	348.14	-
RTPP-U-II	210	-	-	-	-	-	-	979.37	70.85
STATION	420	-	-	-	-	-	-		
RTS-B	62.5	220.60	40.29	360.62	65.87	353.62	64.59	374.38	68.19
NTS	30	102.66	39.07	109.99	41.85	91.11	34.67	129.34	49.08
TOTAL } THERMAL}	2452.5	9114.18	64.93	9639.42	68.67	10820.20	70.11	13775.35	78.16
ALL INDIA			57.10		61.00		60.00		63.00
200 / 210 MW Units									

(Contd.,)

6.12 PERFORMANCE OF THERMAL UNITS SINCE COMMISSIONING

Station	Capacity MW	1996 - 97		1997 - 98		1998 - 99		1999 - 2000		2000-01		2001-02		2002-03		2003-04		2004-05		2005-06		2006-07		2007-08		2008-09		2009-10		2010-11		2011-12		2012-13		2013-14		2014-15	
		Gen MU	PLF %	Gen MU	PLF %	Gen MU	PLF %	Gen MU	PLF %	Gen MU	PLF %	Gen MU	PLF %	Gen MU	PLF %	Gen MU	PLF %	Gen MU	PLF %	Gen MU	PLF %	Gen MU	PLF %	Gen MU	PLF %	Gen MU	PLF %	Gen MU	PLF %	Gen MU	PLF %	Gen MU	PLF %	Gen MU	PLF %	Gen MU	PLF %
VTPS																																					
Unit-I	210	1644.91	89.42	1644.82	89.41	1571.03	85.4	1622.22	87.9	1516.93	82.5	1644.68	89.4	1669	91	1583	86	1309	71	1569	85	1694	92	1650	89	1616	88	1707	93	1559	85	1641	89	1355	74	1178	64	1489	81
Unit-II	210	1690.65	91.90	1657.09	90.08	1582.61	86.03	1243.76	67.4	1706.97	92.8	1707.69	92.83	1613	88	1621	88	1631	89	1545	84	1515	82	1280	69	1639	89	1756	95	1624	88	1645	89	1610	88	1568	85	1489	80.9
Unit-III	210	1753.11	95.30	1738.56	94.51	1695.14	92.15	1721.64	93.3	1767.81	####	1749.29	95.09	1733	94	1742	94	1728	94	1749	95	1518	83	1725	94	1805	98	1726	94	1761	96	1715	93	1754	95	1584	86	1542	83.8
Unit-IV	210	1728.36	93.95	1744.10	94.8	1691.12	91.93	1539.63	83.5	1753.34	95.3	1749.57	95.11	1759	96	1706	93	1708	93	1622	88	1770	96	1674	91	1817	99	1353	74	1589	86	1722	93	1674	91	1582	86	1523	82.8
Unit-V	210	1723.71	93.70	1783.53	96.95	1553.03	84.42	1761.34	95.5	1708.4	92.9	1782.73	96.91	1760	96	1757	95	1736	94	1661	90	1756	95	1704	92	1654	90	1818	99	1702	93	1569	85	1722	94	1578	86	1539	83.7
Unit-VI	210	1733.57	94.24	1789.11	97.26	1735.00	94.31	1732.95	94	1744.76	94.8	1594.11	86.66	1750	95	1756	95	1739	95	1609	87	1701	92	1732	94	1810	98	1346	73	423	23	1746	95	1552	84	1562	85	1504	81.8
Unit-VII	500																											1021	86	3751	86	4121	94	3744	85	3781	86	3619	82.6
STATION	**1760**	**10274.31**	**93.08**	**10357.13**	**93.83**	**9827.93**	**89.04**	**9621.54**	**86.9**	**10198.21**	**92.4**	**10228.1**	**92.67**	**10284**	**93**	**10164**	**92**	**9851**	**89**	**9755**	**88**	**9954**	**90**	**9765**	**88**	**10341**	**94**	**9707**	**88**	**8658**	80	**14159**	**92**	**13411**	**92**	12833	83	12705	82.40
KTPS-A																																					
Unit-I	60	352	67	363	69	329	63	371	70	313	59	437	83	462	88	444	84	417	79	410	78	441	84	434	82	401	76	371	71	466	89	448	85	406	77	398	76		
Unit-II	60	352	67	385	73	324	62	420	80	455	87	448	85	431	82	413	78	446	85	347	66	467	89	444	84	408	78	457	87	393	75	450	85	406	77	393	75		
Unit-III	60	345	66	102	19	211	40	418	79	472	90	472	90	472	90	436	83	472	90	399	76	385	73	441	84	393	75	442	84	438	83	445	85	417	79	374	71		
Unit-IV	60	346	66	372	71	305	58	406	77	458	87	397	75	479	91	434	82	472	90	425	81	395	75	412	78	397	75	464	88	429	82	416	79	407	78	383	73		
STATION	**240**	**1395.43**	**66.37**	**1222.22**	**58.13**	**1168.44**	**55.58**	**1615.57**	**76.6**	**1697.55**	**80.7**	**1753.26**	**83.39**	**1844**	**88**	**1728**	**82**	**1807**	**86**	**1581**	**75**	**1687**	**80**	**1730**	**82**	**1599**	**76**	**1734**	**82**	**1727**	82	**1759**	**83**	**1637**	**78**	1549	74		
KTPS-B																																					
Unit-V	120	586	64	612	67	349	38	546	59	115	13	696	76	907	86	929	88	894	85	850	81	800	76	775	73	663	63	924	88	848	81	841	80	759	72	757	72		
Unit-VI	120	592	64	609	66	223	24	516	56	680	74	368	40	555	60	938	89	911	87	762	72	821	78	782	74	747	71	771	73	834	79	825	78	719	68	761	72		
STATION	**240**	**1178**	**64**	**1220**	**66**	**572**	**31**	**1062**	**58**	**795**	**43**	**1064**	**58**	**1462**	**74**	**1867**	**89**	**1806**	**86**	**1612**	**77**	**1621**	**77**	**1557**	**74**	**1410**	**67**	**1695**	**81**	**1682**	**80**	**1666**	**79**	**1478**	**70**	**1518**	**72**		
KTPS-C																																					
Unit-VII	120	436	45	604	63	515	53	655	68	697	72	688	71	684	71	347	36	839	87	762	73	765	73	900	85	756	72	730	69	848	81	818	78	797	76	710	67.6		
Unit-VIII	120	511	53	590	61	520	54	554	57	673	70	667	69	655	68	283	29	913	95	777	74	713	68	843	80	697	66	754	72	799	76	756	72	695	66	509	48.4		
STATION	240	947	49	1195	62	1035	54	1209	63	1371	71	1355	70	1339	69	631	33	1752	91	1539	73	1479	70	1743	83	1453	69	1485	71	1647	78	1573	75	1492	71	1219	58		
KTPS TOTAL	**720**	**3520.15**	**59.98**	**3637.07**	**61.97**	**2775.97**	**47.3**	**3887.15**	**66.1**	**3863.27**	**65.8**	**4172.14**	**71.09**	**4645**	**77**	**4226**	**69**	**5364**	**87**	**4732**	**75**	**4787**	**76**	**5030**	**80**	**4462**	**71**	**4913**	**78**	**5057**	**80**	**4998**	**79**	**4607**	**73**	4286	68		
KTPS-V																																					
Unit-1X(Stab.)		-	-	475	-	1691																															
Comml. from 1.10.97	250	-	-	1020	93	532	77	1926	88	1741	80	2039	93	2035	93	2040	93	2100	96	1886	86	2057	94	1994	91	1960	90	1930	88	2079	95	1510	69	1827	83	1791	81.8		
Unit-X	250	-	-	32	-	1163	-	2008	91	2043	93	1823	83	2046	93	1999	91	2040	93	1596	73	1624	74	1977	90	1706	78	2105	96	1339	61	2033	93	1895	87	1829	83.5		
TOTAL	**500**	-	-	**1526.30**	**93.39**	**3387.17**	**91.46**	**3933.42**	**89.6**	**3784.36**	**86.4**	**3862.49**	**88.18**	**4081**	**93**	**4038**	**92**	**4140**	**95**	**3482**	**80**	**3681**	**84**	**3970**	**90**	**3666**	**84**	**4036**	**92**	**3418**	**78**	**3544**	**81**	**3722**	**85**	3620	82.6		
KTPS-VI																																					
Unit -XI from 26-6-2011	500																															2301	91	**4077**	**93**	3399	77.6		
RTPP																																					
RTPP-Unit-I	210	1224	67	1456	79	1707	93	1742	94	1754	95	1675	91	1745	95	1762	93	1639	89	1094	59	1638	89	1494	81	1679	91	1613	88	1579	86	1628	88	1575	86	1217	66.2	1411	76.7
RTPP-Unit-II	210	1212	66	1526	83	1658	90	1758	95	1722	94	1726	94	1744	95	1999	91	1715	93	1277	69	1655	90	1653	90	1678	91	1657	90	1355	74	1626	88	1344	73	1407	76.5	1349	73.3
RTPP-Unit-III	210																					20		1058	85	1719	93	1608	87	1533	83	1646	89	1645	89	1488	80.9	1511	82.2
RTPP-Unit-IV	210																							212	76	1665	91	1498	81	1583	86	1669	90	1636	89	1522	82.7	1473	80.10
RTPP-Unit-V	210																													205	64	1507	82	1493	81	1423	77.3	1419	77.2
STATION	**1050**	**2436.54**	**66.22**	**2982.58**	**81.07**	**3365.06**	**91.46**	**3500.35**	**94.9**	**3475.39**	**94.5**	**3400.81**	**92.43**	**3489**	**95**	**4038**	**92**	**3354**	**91**	**2371**	**64**	**3314**	**90**	**4417**	**83**	**6742**	**92**	**6377**	**87**	**6255**	**82**	**8076**	**88**	**7693**	**84**	7057	76.7	7164	77.9
RTS-B	63	378	69	400	73	380	69	429	78	444	81	425	78	389	71	471	86	496	91	397	73	331	60	503	92	467	85	512	94	470	86	453	82	436	80	446	81.4		
Kakatiya-I	500	111	42	116	44	97	37	128	49	169	64	156	59																	1839	65	2441	56	3989	91	3155	72		
TOTAL THERMAL(*)	**4593**	**16719.98**	**78.14**	**19019.49**	**82.32**	**19833.62**	**77.64**	**21499.10**	**83.2**	#########	**85.1**	########	**86.3**	**23033**	**89**	**22455**	**86**	**23360**	**90**	**20745**	**80**	**22067**	**85**	**23686**	**86**	**25678**	**87**	**25544**	**86**	**25696**	**79**	**32893**	**84**	**37934**	**85**	**34795**	**78**	**34795**	**78**

6.12 PERFORMANCE OF THERMAL UNITS SINCE COMMISSIONING

Station	Capacity MW	2015-16		2016-17		2017-18		2018-19		2019-20	
		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
Unit-II	210	1464.57	79.40	1150.39	62.53	1021.67	55.54	1294.94	70.39	1236.05	67.01
Unit-III	210	1562.19	84.69	1487.51	80.86	1511.74	82.18	1311.84	71.31	1323.2	71.73
Unit-IV	210	1616.36	87.62	1239.01	67.35	1497.37	81.40	1373.98	74.69	1393.55	75.55
Unit-V	210	1465.27	79.43	1416.36	76.99	1496.69	81.36	1408.74	76.58	1354.61	73.43
Unit-VI	210	1503.64	81.51	1436.57	78.09	1335.62	72.60	1378.02	74.91	1409.48	76.41
Unit-VII	500	3007.53	68.48	3541.26	80.85	3021.31	68.98	3128.19	71.42	3166.96	72.11
STATION	**1760**	**12066.23**	**78.05**	**11654.38**	**75.59**	**10821.93**	**70.19**	**10887.55**	**70.62**	**11060.39**	**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
RTPP-Unit-II	210	1421.43	77.06	1421.64	77.28	1378.92	74.96	1197.33	65.09	559.02	30.31
RTPP-Unit-III	210	1471.56	79.78	1365.21	74.21	1400.45	76.13	884.28	48.07	1111.7	60.27
RTPP-Unit-IV	210	1483.34	80.41	1263.48	68.68	1448.9	78.76	1264.97	68.76	890.42	48.27
RTPP-Unit-V	210	1427.29	77.37	1383.93	75.23	1183.98	64.36	1034.68	56.24	635.62	34.46
RTPP-Unit-VI	600	---	--	---	--	125.05	---	1089.36	20.73	2348.21	44.55
STATION	**1650**	**7292.70**	**79.07**	**6712.60**	**72.98**	**6926.44**	**73.94**	**6637.32**	**45.92**	**6408.29**	**44.21**
TOTAL THERMAL	**3410**	**19358.93**	**78.43**	**18366.98**	**74.62**	**17748.37**	**71.5**	**17524.87**	**58.67**	**17468.68**	**58.32**

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

6.13 THERMAL POWER STATION-FUEL PARTICULARS

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

(Contd.,)

6.13 THERMAL POWER STATION-FUEL PARTICULARS

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

6.13 THERMAL POWER STATION-FUEL PARTICULARS

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

6.13 THERMAL POWER STATION-FUEL PARTICULARS

Year	Station	Generation (MU)	Coal Linkage (Million Tonnes)	Coal receipts (Million Tonnes)	Coal Consumption (Million Tonnes)	Oil Consumption (KL)	Consumption\KWH Coal(KG)	Consumption\KWH Oil (ml)	C.V. of Coal KCal./Kg	Heat rate KCal/Kwh
2006-07	VTPS	9953.95	7.41	6.90	6.93	2788	0.70	0.28	3405	2374
	KTPS	4787.31	7.02	3.77	3.80	6207	0.79	1.30	3423	2731
	KTPS-V	3680.69		2.55	2.64	1324	0.72	0.36	3296	2364
	RTPP	3293.67	3.40	2.01	2.22	1662	0.68	0.50	3447	2334
	RTS`B'	330.66	0.37	0.24	0.24	491	0.71	1.49	3874	2770
	NTS									
2007-08	VTPS	9765.44	7.86	7.00	7.11	2789	0.73	0.29	3239	2362
	KTPS	5030.30	7.20	4.06	4.14	4721	0.82	0.94	3289	2723
	KTPS-V	3970.43		2.94	2.93	1465	0.74	0.37	3170	2344
	RTPP	4416.59	4.67	3.09	3.09	17412	0.70	1.28	3281	2325
	RTS`B'	503.01	0.33	0.33	0.33	316	0.66	0.63	3953	2613
2008-09	VTPS	10340.94	7.55	7.30	7.26	2959	0.70	0.29	3304	2324
	KTPS	4462.11	5.90	3.99	4.00	8542	0.90	1.91	3084	2784
	KTPS-V	3665.89		2.97	3.00	3827	0.82	1.04	2804	2306
	RTPP	6741.61	5.09	3.99	4.72	5218	0.70	0.77	3230	2268
	RTS`B'	467.35	0.32	0.35	0.33	201	0.71	0.43	3701	2645
2009-10	VTPS	10727.18	7.55	7.70	7.62	3007	0.72	0.31	3274	2360
	KTPS	4913.38	5.90	4.49	4.22	4486	0.86	0.91	3079	2657
	KTPS-V	4035.64		3.27	3.10	1689	0.77	0.42	2966	2285
	RTPP	6376.56	5.09	4.48	4.40	3325	0.69	0.52	3289	2278
	RTS`B'	512.18	0.32	0.35	0.35	179	0.69	0.35	3735	2562
2010-11	VTPS	12408.14	8.08	7.92	8.65	4128	0.74	0.48	3173	2342
	KTPS	5057.09	5.90	6.79	4.32	4616	0.85	0.91	3068	2631
	KTPS-V	3417.97			2.53	2830	0.74	0.83	2980	2210
	RTPP	6255.32	4.75	4.21	4.33	8844	0.69	0.81	3245	2257
	RTS`B'	469.91	0.30	0.32	0.33	296	0.71	0.63	3601	2555
	Kakatiya-I	1838.51	2.16	1.21	1.16	16824	0.63	2.37	3570	2272
2011-12	VTPS	14159.09	7.69	8.53	9.80	6216	0.72	0.62	3198	2314
	KTPS	4998.02	5.90	8.05	4.39	5501	0.88	1.10	3046	2686
	KTPS-V&VI	5844.27			4.06	20532	0.69	0.97	3226	2251
	RTPP	8075.76	5.49	5.12	5.49	13449	0.68	1.67	3353	2294
	RTS`B'	452.70	0.30	0.32	0.33	590	0.72	1.30	3614	2615
	Kakatiya-I	2440.72	2.16	2.37	1.49	6266	0.61	2.57	3688	2272
2012-13	VTPS	13410.51	7.69	9.93	9.81	19968	0.77	2.07	3032	2347
	KTPS	4607.32	3.70	4.65	4.44	10200	0.96	2.21	2912	2830
	KTPS-V&VI	7799.06	4.51	5.59	5.58	9518	0.72	1.22	3365	2421
	RTPP	7692.60	5.49	5.20	5.15	9308	0.67	1.21	3381	2275
	RTS`B'	435.83	0.30	0.32	0.32	869	0.75	1.99	3576	2714
	Kakatiya-I	3988.72	2.16	2.35	2.48	2365	0.62	0.59	3719	2320
2013-14	VTPS	12833.42	7.57	9.96	9.57	10109	0.78	1.12	3050	2380
	KTPS	4285.96	3.70	4.63	4.77	6228	1.11	1.45	2749	3073
	KTPS-V&VI	7018.27	3.77	5.09	5.44	5043	0.78	0.72	3042	2367
	RTPP	7056.69	5.43	3.26	5.02	9687	0.71	1.37	3271	2342
	RTS`B'	445.77	0.30	0.36	0.35	963	0.78	2.16	3510	2774
	Kakatiya-I	3155.09	2.29	2.54	2.51	3382	0.67	1.07	3492	2347
2014-15	VTPS	12704.85	-	9.76	9.52	14980	0.75	1.18	3272	2463
	RTPP	7163.53	-	5.63	5.43	13931	0.76	1.94	3032	2317
2015-16	Dr NTTPS	12066.23	-	9.72	9.25	10437	0.76	0.86	3181	2434
	RTPP	7292.70	-	5.75	5.35	5888	0.73	0.81	3127	2300
2016-17	Dr NTTPS	11654.38	8.31	8.697	8.936	7521	0.76	0.65	3175	2431
	RTPP	6712.60	5.76	4.439	4.696	3938	0.70	0.59	3270	2293
2017-18	Dr NTTPS	10821.93	8.310	8.196	8.537	7357	0.79	0.68	3148	2489
	RTPP	6926.44	5.76	4.871	4.968	4113	0.73	0.60	3195	2339
2018-19	Dr NTTPS	10887.55	8.31	9.498	8.941	5288	0.82	0.49	3057	2515
	RTPP	6637.32	5.76	4.995	4.825	11166	0.73	1.68	3320	2430
2019-20	Dr NTTPS	11060.39	8.31	9.11	9.04	7236	0.82	0.65	3107	2546
	RTPP	6408.29	6.65	5.23	4.91	6763	0.77	1.06	3109	2396

6.14 HYDEL RESERVOIR PARTICULARS FOR THE FY 2019-20

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 ft as on1st July	Gross Storage in TMC ft	During July -June Inflows TMC ft	Drawal TMC ft
DATA OF SRISAILAM RESERVOIR				
1982-83	749.60	28.90	933.20	95.80
1983-84	735.50	26.60	1607.60	120.80
1984-85	739.60	25.10	1052.30	434.40
1985-86	812.50	69.50	716.10	382.10
1986-87	821.40	82.70	679.50	440.00
1987-88	750.00	28.50	592.80	500.20
1988-89	797.60	52.60	1471.00	474.20
1989-90	797.00	49.51	1140.70	567.13
1990-91	829.30	96.43	1630.90	651.91
1991-92	872.00	232.16	1415.22	516.05
1992-93	796.70	52.20	944.13	572.22
1993-94	800.20	55.20	1297.78	616.41
1994-95	800.20	55.20	2024.38	578.64
1995-96	738.40	24.61	619.81	456.08
1996-97	802.00	57.02	1092.69	560.96
1997-98	803.30	58.37	1198.5	522.33
1998-99	808.90	64.89	1716	456.32
1999-00	840.20	119.01	894.6	507.27
2000-01*	840.20	119.01	564.47	503.96
2001-02	824.80	88.37	499.48	398.54
2002-03*	821.70	83.19	199.02	232.15
2003-04				
2004-05	780.40	40.84	507.63	
2005-06	816.90	63.7	1815.29	676.23
2006-07	847.40	112.66	1721.19	771.41
2007-08	830.10	79.86	1673.36	843.03
2008-09	861.20	153.25	749.67	635.74
2009-10	820.30	17.84	844.53	425.10
2010-11	830.70	31.33	1004.90	678.39
2011-12	838.00	43.50	703.40	768.44
2012-13	808.10	6.23	194.25	137.37
2013-14	846.00	42.92	828.87	487.65
2014-15	850.80	52.78	640.69	495.60
DATA OF JALAPUT RESERVOIR				
1981-82	2712.00	10.00	38.70	43.70
1982-83	2680.00	2.30	42.20	39.60
1983-84	2682.90	2.40	55.90	42.00
1984-85	2718.70	12.70	47.40	55.90
1985-86	2670.70	1.00	40.00	37.50
1986-87	2684.90	2.70	49.60	47.90
1987-88	2693.40	4.40	28.50	29.20
1988-89	2687.70	3.20	42.30	43.30
1989-90	2680.50	2.07	65.90	41.60
1990-91	2741.00	26.51	63.30	59.50
1991-92	2713.70	10.54	50.85	51.80
1992-93	2714.70	10.95	49.36	52.30
1993-94	2681.00	2.14	32.14	38.10
1994-95	2681.00	2.14	79.01	55.18
1995-96	2723.90	15.30	51.75	53.65
1996-97	2711.60	9.72	53.71	54.28

1997-98	2711.40	9.64	35.23	37.58	
1998-99	2694.10	4.52	50.00	38.41	
1999-00	2730.00	18.82	51.71	46.84	
2000-01*	2730.00	18.82	41.27	42.52	
2001-02	2724.70	15.73	51.72		
2002-03*	2728.10	17.67	22.22	36.92	
2003-04*	2686.50	3.01	47.50		
2004-05*	2732.20	20.32	49.77		
2005-06*	2719.00	12.85	54.74	48.14	
2006-07*	2731.10	19.52	68.13	52.79	
2007-08*	2726.00	16.45	63.52	30.22	
2008-09*	2744.50	26.78	34.57	38.79	
2009-10*	2724.10	12.65	32.27	41.33	
2010-11*	2705.10	4.72	53.05	37.25	
2011-12	2742.70	25.23	24.33	32.21	
2012-13	2732.05	17.47	46.95	44.77	
2013-14	2731.35	16.99	49.51	39.67	
2014-15	2736.55	20.55	36.13	44.80	
DATA OF BALIMELA RESERVOIR				**AP**	**ORISSA**
1981-82	1441.80	34.30	63.60	51.60	58.80
1982-83	1431.80	27.60	83.00	57.90	58.40
1983-84	1436.10	30.70	106.30	65.10	81.60
1984-85	1434.80	29.50	64.20	56.80	60.60
1985-86	1433.30	28.60	57.20	41.50	48.70
1986-87	1433.70	28.80	77.10	60.30	62.70
1987-88	1432.00	27.80	43.20	32.30	32.40
1988-89	1433.80	28.90	59.60	48.50	47.80
1989-90	1437.20	31.11	86.83	57.40	57.40
1990-91	1447.60	38.83	188.24	77.30	80.60
1991-92	1468.70	52.92	80.58	76.20	80.90
1992-93	1435.3	29.83	93.29	75.30	77.40
1993-94	1432.4	28.00	49.03	40.90	43.80
1994-95	1432.40	28.00	165.26	74.54	77.56
1995-96	1469.80	59.06	75.46	80.71	80.71
1996-97	1447.70	38.91	71.41	61.37	63.90
1997-98	1442.80	35.10	51.98	44.74	44.11
1998-99	1442.80	35.10	66.00	48.01	47.96
1999-00	1460.20	49.56	98.76	61.56	68.43
2000-01*	1460.20	49.56	66.66	63.72	57.97
2001-02	1440.70	33.53	76.78	64.30	61.57
2002-03*	1439.80	32.87	34.28	36.74	31.81
2003-04	1441.00	33.75	121.30		
2004-05	1473.80	63.43	94.16	79.52	86.22
2005-06	1456.00	46.05	86.21	65.79	59.35
2006-07	1463.50	52.73	151.67	85.15	89.30
2007-08	1483.20	74.91	108.96	76.52	101.64
2008-09	1474.70	31.42	72.35	92.52	53.01
2009-10	1448.20	6.31	58.46	33.23	45.68
2010-11	1466.40	22.56	126.35	56.23	72.51
2011-12	1486.20	45.96	54.39	62.80	59.77
2012-13	1448.80	6.79	92.73	55.45	30.12
2013-14	1495.50	58.98	117.10	66.07	90.75
2014-15	1498.90	63.91	109.66	81.83	69.55
* Inflows and drawal are during financial year (Apr-Mar) w.e.f the year 2000-01					

6.15 YEAR-WISE STORAGE AND INFLOWS					
Year	As on 1st April		During April to March		
	Intial level in feet	Net Storage in	Inflows TMC ft	Drawal TMC ft	
DATA OF SRISAILAM RESERVOIR					
2014-15	850.80	52.78	640.69	495.60	
2015-16	805.20	2.66	53.79	66.76	
2016-17	802.90	1.46	341.13	105.76(RBPH).	
2017-18	806.30	3.245	384.85	96.94(RBPH)	
2018-19	805.50	2.816	501.93	96.11(RBPH)	
2019-20	824.10	44.087	1666.69	233.72(RBPH)	
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	
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

6.16 (A). GENERATION SCHEMES CLEARED AND READY FOR EXECUTION AS ON 31-03-2020

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

6.17 POWER PROJECTS UNDER CONSTRUCTION OF APGENCO - PROGRESS AS ON 31-03-2020

S.No	Name of the Project	Location	Capacity Addition	Estimated Cost (Rs. Crs.)	Remarks
State Sector (Thermal)					
1	Dr NTTPS Stage-V	Vijayawada (Krishna)	1 x 800 MW	5525.00	* Zero date was commenced on Dt:15.12.2015 * works are under Progress
2	Sri Damodaram Sanjeevaiah TPS Stage II	Krishnapatnam (Nellore)	1 x 800 MW	6034.00	* Zero date was commenced on Dt:15.12.2015 *works are under Progress
State Sector (Hydro)					
1	**Polavaram HEP**	Polavaram	12 x 80 MW	5338.95	* Zero date was commenced on Dt:06.01.2018 * works are under Progress

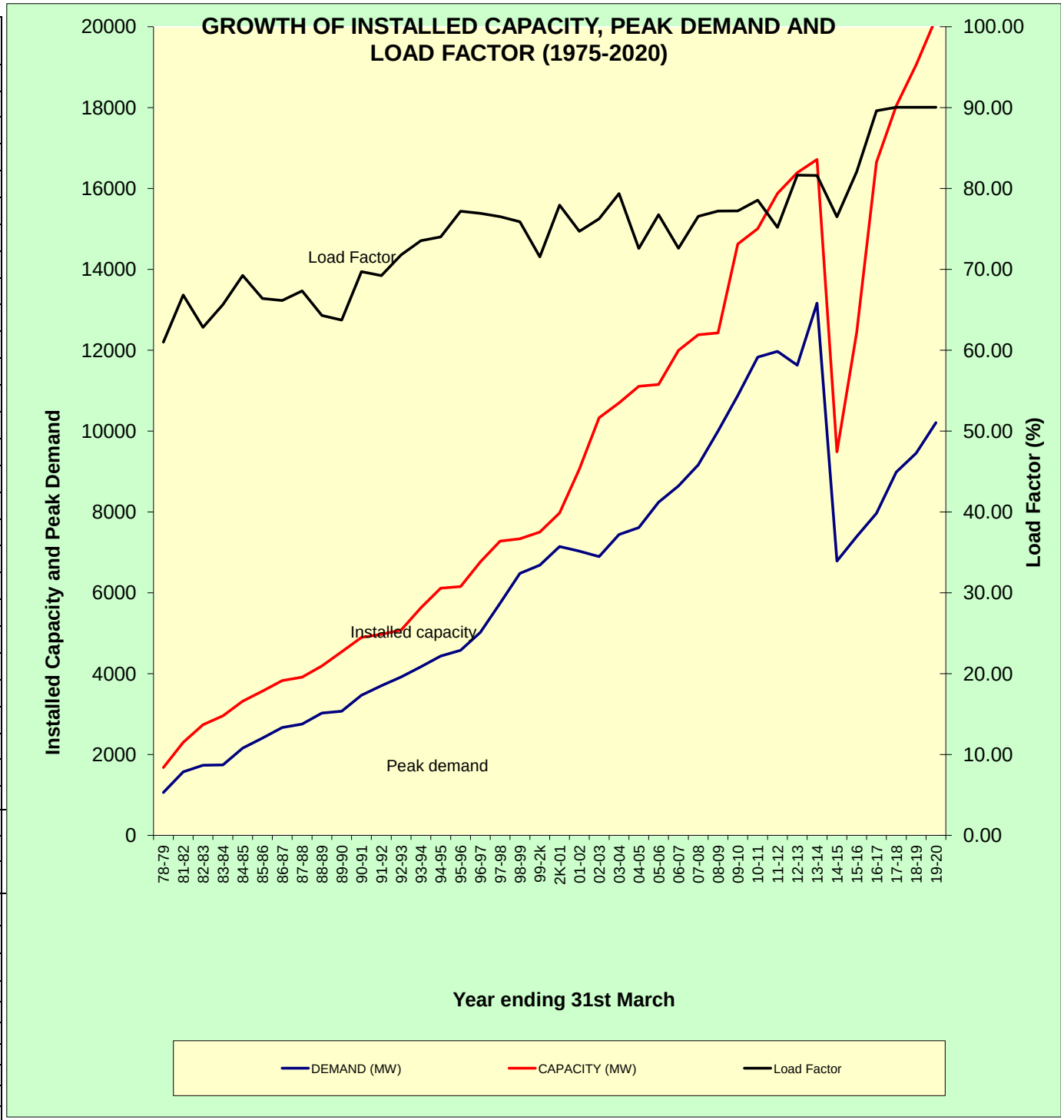
6.18 Generation Projects under Development as on 31-3-2020

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 31.3.2020)

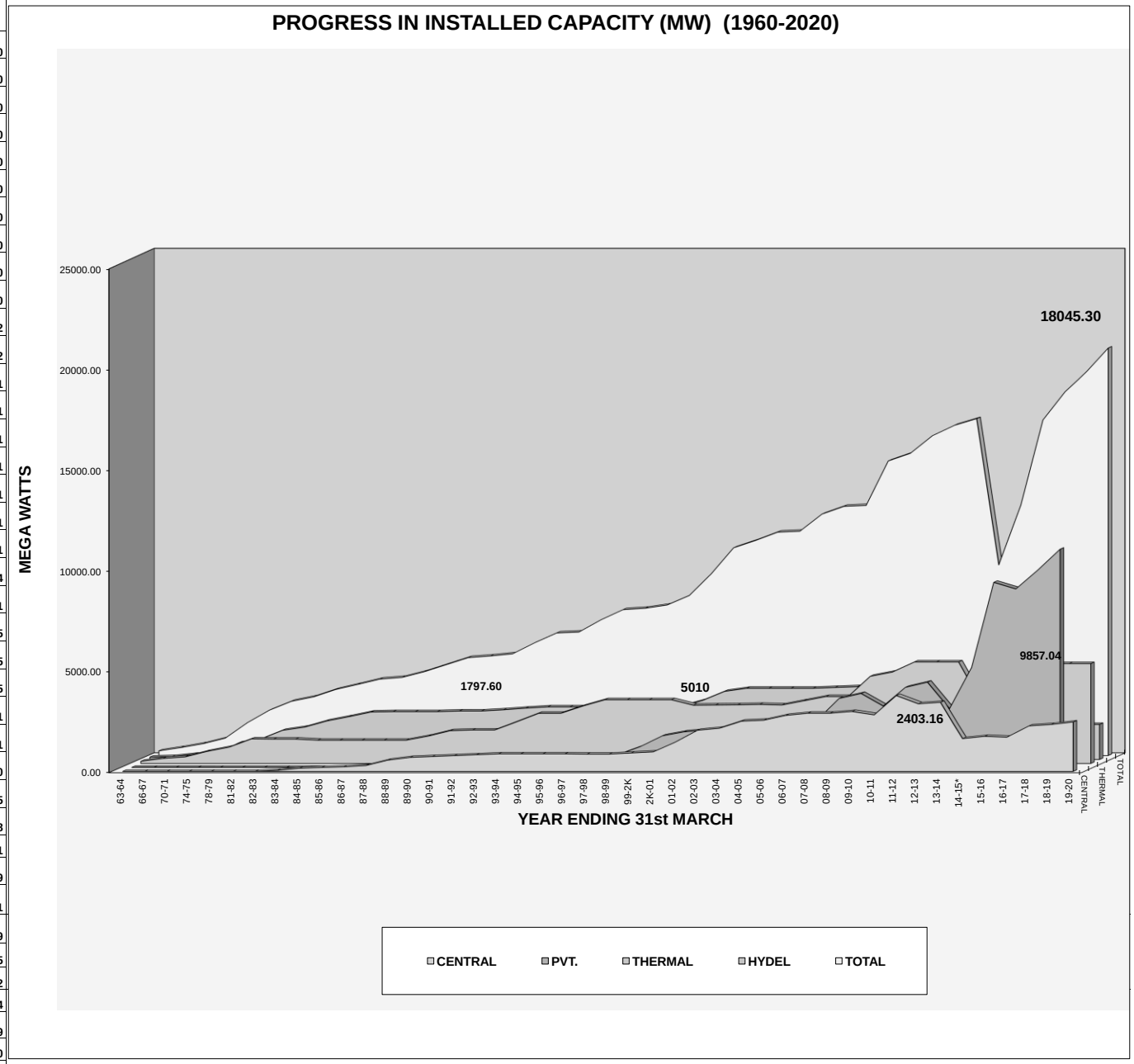
SNO	Energy Source	Potential (MW)	Capacity Harnessed up to Mar-19 (MW)	Capacity addition During 2019-20	Capacity Harnessed up to Mar-20 (MW)
1	Wind	44229	4077.565	2.000	4079.565
2	Biomass projects including co-generation power	500	235.400	0.000	235.400
3	Bagasse based Co-generation	300	203.950	3.000	206.950
4	Municipal Solid Waste	100	6.150	0.000	6.150
5	Industrial Waste	100	34.010	0.000	34.010
6	Small Hydro	500	102.598	0.000	102.598
7	Solar	38440	3030.526	490.530	3521.056
	Total	**84169**	**7690.199**	**495.530**	**8185.729**

YEAR	CAPACITY (MW)	DEMAND (MW)	Load Factor
74-75	888	706	61.00
78-79	1678	1060	66.81
81-82	2298	1570	62.83
82-83	2736	1733	65.64
83-84	2955	1743	69.25
84-85	3318	2158	66.39
85-86	3568	2404	66.14
86-87	3829	2665	67.32
87-88	3914	2752	64.29
88-89	4192	3026	63.73
89-90	4542	3070	69.71
90-91	4893	3465	69.22
91-92	4973	3703	71.79
92-93	5080	3916	73.53
93-94	5626	4170	74.00
94-95	6111	4434	77.18
95-96	6155	4576	76.92
96-97	6764	5022	76.51
97-98	7276	5742	75.89
98-99	7333	6480	71.54
99-2k	7502	6684	77.93
2K-01	7974	7143	74.70
01-02	9056	7029	76.25
02-03	10329	6895	79.36
03-04	10696	7441	72.58
04-05	11106	7613	76.75
05-06	11151	8239	72.61
06-07	11996	8641	76.55
07-08	12382	9162	77.21
08-09	12427	9997	77.22
09-10	14625	10880	78.54
10-11	15003	11829	75.18
11-12	15876	11972	81.65
12-13	16389	11630	81.60
13-14	16717	13162	76.49
14-15	9486	6784	82.08
15-16	12444	7391	89.60
16-17	16652	7965	90.03
17-18	18045	8983	90.03
18-19	19058	9453	90.04
19-20	20208	10207	74.92

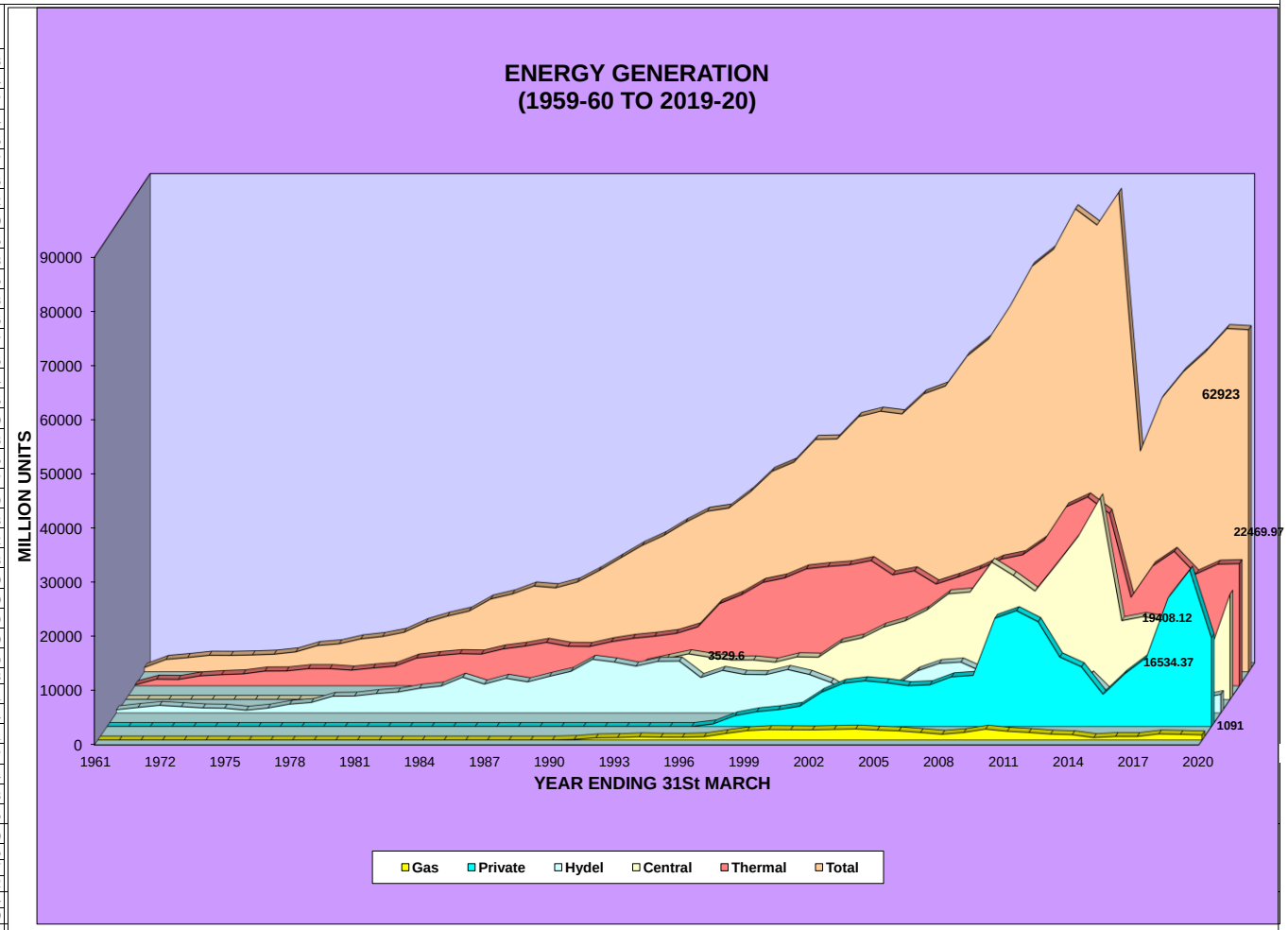


YEAR	HYDEL	THERMAL	CENTRAL	PVT &OTHERS.	TOTAL
59-60	124.00	89.00	--		213.00
63-64	126.00	114.00	--		240.00
66-67	151.60	259.00	--		410.60
70-71	271.60	337.00	--		608.60
74-75	271.60	620.00	--		891.60
78-79	841.60	840.00	--		1681.60
81-82	1043.20	1260.00	--		2303.20
82-83	1494.80	1247.50	--		2742.30
83-84	1659.80	1247.50	54.00		2961.30
84-85	1971.40	1192.50	162.00		3325.90
85-86	2182.42	1192.50	202.00		3576.92
86-87	2411.42	1192.50	234.00		3837.92
87-88	2431.21	1192.50	299.00		3922.71
88-89	2431.21	1192.50	577.00		4200.71
89-90	2431.21	1402.50	717.00		4550.71
90-91	2461.21	1678.50	762.00		4901.71
91-92	2462.21	1712.50	807.00		4981.71
92-93	2524.21	1712.50	852.00		5088.71
93-94	2605.21	2132.50	897.00		5634.71
94-95	2667.21	2552.50	897.00	2.93	6119.64
95-96	2668.21	2552.50	897.00	45.60	6163.31
96-97	2668.21	2914.50	897.00	290.44	6770.15
97-98	2668.21	3224.50	885.00	495.14	7272.85
98-99	2668.21	3224.50	885.00	563.64	7341.35
99-2K	2683.21	3224.50	942.50	654.10	7504.31
2K-01	2684.21	3224.50	1000.00	1065.20	7973.91
01-02	2984.21	2952.50	1500.00	1619.19	9055.90
02-03	3434.21	2962.50	2106.25	1825.89	10328.85
03-04	3586.36	2972.50	2212.50	1924.22	10695.58
04-05	3586.36	2992.50	2571.00	1955.85	11105.71
05-06	3586.36	2962.50	2616.94	1985.39	11151.19
06-07	3586.36	3172.50	2854.69	2382.76	11996.31
07-08	3627.36	3382.50	2963.22	2408.51	12381.59
08-09	3666.36	3382.50	2963.22	2415.17	12427.25
09-10	3705.36	4382.50	3048.54	3489.12	14625.52
10-11	3792.36	4592.50	2882.68	3735.50	15003.04
11-12	3829.50	5092.50	3837.95	3116.54	15876.49
12-13	3829.36	5092.50	3428.97	4038.47	16389.30
13-14	3829.36	5092.50	3501.40	4294.07	16717.33
14-15*	1671.29	3148.15	1679.86	2986.40	9485.70
15-16	1671.29	3948.15	1795.95	5028.16	12443.55
16-17	1721.29	3948.15	1750.85	9232.23	16652.52
17-18	1797.60	5010.00	2330.55	8907.15	18045.30
18-19	1797.60	5010.00	2403.16	9846.96	19057.721
19-20	1797.600	5010.000	2529.810	10870.761	20208.171

*** Figures indicate for residual AP**



Year	Hydel	Thermal	Gas	Pvt.	Central & Other States	Total
1960	505	123	-	-	-	628
1961	610	174	-	-	-	784
1969	1059	1218	-	-	-	2277
1970	1460	1164	-	-	-	2624
1972	1221	1824	-	-	-	3045
1973	974	2053	-	-	-	3027
1974	910	2196	-	-	-	3106
1975	533	2709	-	-	-	3242
1976	941	2729	-	-	-	3670
1977	1680	3145	-	-	-	4825
1978	2002	3146	-	-	-	5148
1979	3180	2875	-	-	-	6055
1980	3225	3268	-	-	-	6493
1981	3680	3596	-	-	-	7276
1982	3984	5093	-	-	-	9077
1983	4684	5562	-	-	-	10246
1984	5092	5909	-	-	173	11174
1985	6716	5835	-	-	834	13385
1986	5453	6772	-	-	2095	14320
1987	6517	7282	-	-	1979	15778
1988	5865	7985	-	-	1605	15455
1989	6878	7263	-	-	2376	16517
1990	7802	7222	25	-	3550	18599
1991	10017	8102	109	-	2725	20953
1992	9516	8726	425	-	4595	23262
1993	8758	9114	473	-	6748	25093
1994	9633	9639	616	-	7612	27500
1995	9687	10842	552	-	8449	29530
1996	6662	15103	540	-	7814	30119
1997	7970	16720	627	505	7308	33130
1998	7245	19019	1249	2055	7321	36889
1999	7189	19834	1799	2820	6921	38563
2000	8132	21499	2006	3217	7897	42751
2001	7232	21934	1978	3869	7831	42844
2002	5757	22245	1951	6514	10484	46951
2003	3337	23033	2030	8169	11369	47937
2004	2941	20401	2109	8636	13356	47444
2005	5267	21145	1908	8280	14522	51123
2006	7873	18718	1753	7730	16501	52575
2007	9247	19994	1445	7897	19487	58070
2008	9510	21452	1101	9360	19822	61245
2009	7703	23294	1441	9633	25316	67387
2010	5450	24101	2087	20122	22851	74612
2011	7718	26846	1681	21534	19986	77764
2012	6376	32893	1448	19490	24953	85160
2013	3207	34730	1140	13018	30104	82198
2014	7143	31706	1016	11205	37120	88191
2015*	3177	16285	467	6145	14553	40627
2016	2441	22044	682	9919	15301	50388
2017	2313	24729	674	12913	14601	55240
2018	2681	20562	1165	23874	10536	58818
2019	2680	22361	1091	28992	8018	63144
2020	3530	22470	981	16534	19408	62923



* Figures indicate for residual AP

7. TRANSMISSION & DISTRIBUTION

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

Sl.No	NAME OF THE SS/ DISTRICT	VOLTAGE in KV	TR. CAPACITY (NO. X MVA)	TOTAL MVA	Date of Commissioning
	400 KV SUBSTATIONS				
1	NARNOOR (Kurnool)	400/220	2 x 315	630	06-03-2001
2	KALPAKA (Vizag)	400/220	3 x 315	945	27-01-2002
3	VEMAGIRI (East Godavari)	400/220	3x315	945	27-09-2005
4	NELLORE(Manubolu)	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	NARASARAOPET (Sattenapally)	400/220	3x315	945	31-03-2014
7	JAMMALAMADUGU(Kondapuram) KADAPA Dt	400/220	3x315	945	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 Dt	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	630	SS charged on 15-03-2018
12	KALIKIRI(Chittoor)	400/220	2x315	630	SS charged on 31-03-2018
13	PODILI(Prakasam)	400/220	1x315	315	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
				13355	
	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.APPAYYADORAPALEM 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	1 X50	50.00	
			1x50	50.00	
6	2.VISAKHAPATNAM	220	SW. STN.		20-06-1991
7	3.PENDURTHY (Vizag-II)	220/132 132/33	2x160+1 x 100 1x31.5	451.50	30-03-1993/ 23-12-2009

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
8	4. DAIRY FARM	220/132	2X100	200.00	18-11-2002
		132/33	3x50	150.00	
9	5. PARWADA	220/132	3X100	300.00	29.03.2004/ 18-3-2010
		132/33	3x50	150.00	
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	63.00	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		5-2-2012
EAST GODAVARI					
13	1.BOMMURU	220/132	2x160+1 X 100	420.00	14-08-1976
		132/33	2X50+2X25	150.00	
14	2. KAKINADA	220/132	2X160+1x100	420.00	25-09-1997
		132/33	1x80+1X50	130.00	
15	3.SAMARLAKOTA	220/132	3x100	300.00	29-09-2001 31-3-2008
16	4.RAMPACHODAVARAM	220/33	1X50+1x31.5	81.50	29-05-2003
17	5.BAVOJIPETA(KORUKONDA)	220 KV	Switching station		17-11-2017
18	6.RAMAVARAM LIS	220/11	2x50	100.00	43056
19	7.PURSHOTHAPATNAM	220/11	3x31.5	94.50	43086
WEST GODAVARI					
20	1.BHIMADOLE	220/132	2 X 100+1x160	360.00	13-01-1990
		132/33	1X50 1X80	130.00	
21	2.NIDADAVOLU	220/132	3 X 100	300.00	07-03-1999
22	3.BHIMAVARAM (UNDI)	220/132	2X160+1x100	420.00	02-02-2007
		132/33	3x50+ 1x31.5	181.50	
23	4.KAMAVARAPUKOTA	220/132	1X160+2x100	360.00	28-03-2007
24	5.PATTISEEMA LIS SUB-STATION	220/11	1x50	50.00	08-11-2015
25	6.PALLANTLA	220/11	SWS		30-10-2015
26	7.DUVVA	200/132/33	2x100	200.00	27-05-2018
		132/33	1x50+1x31.5	81.50	
KRISHNA					
27	1.GUNADALA (VJW)	220/132	2 X 100 +1x160	360.00	1970-1971
		132/ 33	1x80+2x 50	180.00	
28	2.KONDAPALLY (VJW)	220/132	1 X 100 +2x160	420.00	30-09-1989
		132/ 33	2x31.5+1x50	113.00	27-04-2013
29	3.NUNNA	220/132	2X100	200.00	20-01-1992/29-03-2010
		132/ 33	2x31.5+1x50	113.00	
30	4.CHILLAKALLU	220/132	3 X 100	300.00	12-03-1997/15-02-2010
		132/33	3 X 31.5	94.50	
31	5. GUDIVADA (KRISHNA)	220/132	2x160+1 X 100	420.00	22-10-2004
		132/33	2 X50	100.00	29-03-2006
32	6.NUZIVIDU	220/132	3x100	300.00	20-09-2018
		132/33	3x50	150.00	
GUNTUR					
33	1.GUNTUR (TADIKONDA)	220/132	1x160+3 X 100	460.00	31-03-1992
		132/33	2x50	100.00	
34	2.TALLAPALLI	220	SW. STN.		17-07-1985
35	3.RENTACHINTALA	220/132	3X100	300.00	24-11-2008
		132/33	1x31.5	31.50	22-12-2017
36	4.NARASARAOPET	220/132	3X100	300.00	03-11-2009/ 25-01-2010
		132/33	3X31.5	94.50	02-02-2003
37	5.PRATHIPADU	220/132	1x100+1x160	260	22-04-2019
PRAKASHAM					

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	1.ONGOLE	220/132	2x160+1x100	420.00	21-8-1980
		132/33	2x50	100.00	17-7-2009
39	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
40	3.MARKAPUR	220/132	3 X 100	300.00	26-08-2001
		132/33	2x31.5	63.00	6-1-2006
41	4.PARCHUR	220/132	1x160+2x100	360.00	17-05-2010
		132/33	1x31.5+1X16	47.50	23-08-1999
42	5. KANDUKURU	220/132	2x100	200.00	30-06-2018
NELLORE					
43	1.NELLORE	220/132	3x160	480.00	11-12-1976
		132/ 33	3x50	150.00	
44	2.SULLURPET	220/132	3 X 100	300.00	01-05-1982
		132/ 33	1x50+1 x 31.5	81.50	
45	3. RACHARLA PADU	220/132	2x100+1x31.5	231.50	06-06-2018
		132/33	1x31.5	31.50	
46	4. ATMAKUR	220/132	2x100	200.00	22-02-2019
CHITTOOR					
47	1.CHITTOOR	220/132	1x160 + 2 X100	360.00	21-06-1970
		132/33	3 x 50	150.00	
48	2.KALIKIRI	220/132	3 X100	300.00	14-08-1991
		132/33	2 x 31.5+1x50	113.00	
49	3.RENIGUNTA	220/132	1x160 + 2 X100	360.00	25-11-1995
		132/33	2x31.5+1 X 16	79.00	
50	4.PALAMANERU	220/132	1x100+1x160	260.00	22-10-2011
		132/33	2x50	100.00	22-10-2011
51	5.NAGIRI	220/132 132/33	3x100 2x31.5	363.00	15-10-2012 (30-3-1994)
52	6.RACHAGUNNERI	220/132	1x160+1x100	260.00	03-01-2014 25-11-2015 (2nd PTR)
53	7.THIMMAPURAM LIS	220/132	1X100	100.00	16-12-2015
		132/33	2x31.5	63.00	
54	8.KUPPAM	220/132	2 X 100	200.00	30-03-2017
55	9.MADANAPALLI (LIS)	220/132	2 X 100	200.00	11-12-2017
ANANTHAPUR					
56	1.GOOTY	220/132	1x160+1x 100	260.00	20-08-1975
		132/33	2x31.5	63.00	
57	2.GOOTY	220	SW. STN		20-05-1991
58	3.ANANTAPUR	220/132	2X 100+1x160	360.00	31-03-1995
59	4.HINDUPUR	220/132	2X 100+1x160	360.00	29-03-1993
		132/33	2 x 50 +1x80	180.00	
60	5.RAMAGIRI	220/33	1X50+1x31.5	81.5	17-10-1995
61	6.TADIPATHRI	220/132	2x100	200.00	29-7-2002
		132/33	2x50+1x31.5	131.5	
62	7.KALYANDURG	220/132	3x100	300	21-07-2007
		132/33	2X50+1x80	180	29-12-1986
63	8.BOYAREDDYPALLI		SW.STN		21-01-2008
64	9.REGULAPADU(LIS)	220/11	3X25	75	07-06-2011
65	10.RTSS (Gooty)	220/132	SW. STN		30-3-2012
66	11.YELLANUR LIS	220/11	2x25	50	27-3-2014
67	12.VAJRAKARUR	220/132	1x100	100	14-07-2016
68	13.BOKSAMPALLI	220/132/33	1X100+2x31.5	163	11-04-2016
69	14.SUBBARAYUNIPALLI	220/33	2X50	100	11-05-2016
70	15.GOLLAPURAM	220/132/33	2x100 + 1x 31.5+1x50	281.5	26-12-16
71	16.BORAMPALLI	220/132	1X100	100	01-06-2017

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

Sl.No	NAME OF THE SS/ DISTRICT	VOLTAGE in KV	TR. CAPACITY (NO. X MVA)	TOTAL MVA	Date of Commissioning
72	17.MANCHUMARRI LIS	220/132	2x31.5+1x25	88	29-04-2017
73	18. SHAPURAM	220	SWS		5-5-2012
74	19.GADDAMVARIPALLI	220/11	2x25	50	4-2-2017
75	20.GUDDUMARRI LIS	220/11	2x50	100	2-5-2017
76	21. AMMAVARIPALLI	220/33	3x50	150	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	2X16	32	
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	1x31.5+1x16	47.50	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	
86	10.PORUMAMAILLA	220/132	2X100	200.00	31-03-2017
87	11.CHAKRAYAPET	220/132/33	2x100+1x16	216.00	19-05-2018
88	12.TIRUMALAYAPALLI	220/132	2x100	200.00	22-01-2020
KURNOOL					
89	1.A.P CARBIDES	220/132	1X160+2X100	360.00	19-03-1989
		132/33	3x16	48.00	
90	2.SOMAYAJULAPALLI	220	Sw.Stn		28-03-1995
91	3.NANDYALA	220/132	3 X 100	300	31-03-1995
		132/33	2X50+1x31.5	131.5	
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)		SW.STN		28-07-2011
95	7. BILAKALAGUDUR		SW.STN		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
				25609.50	

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		10-10-2001
	VIZIANAGARAM				
11	1.T.B VARA	132/33	2 x 16	32.00	23-11-1981
12	2.BOBBILI	132/33	1x31.5+1x50	81.50	27-03-1987
13	3.VIZIANAGARAM(vontithadi)	132/33	1 x50+1 x 31.5	81.50	31-03-1992
14	4.KOTHAVALASA	132/33	1 x 16+1x31.5	47.50	29-08-1999
15	5. PARVATHIPURAM	132/33	1x31.5+1x16	47.50	20-12-2004
16	6.GARBHAM	132/33	1X31.5+1X15	46.50	29-12-2017
17	7.SALUR	132/33	2X16	32	31-03-2018
18	8.GOLD STAR	132/33	SWS		16-6-1994
	VISAKHAPATNAM				
19	1.SIMHACHALAM	132/33	2 x 16+2X31.5+15	110	1959-1960
20	2.COMMON POINT	132/33	1 x 50+1 x 31.5	81.5	7-8-1987
21	3.KORUPROLU	132/33	2x50	100	19-10-1986
22	4.ARAKU	132/33	1 x15+1x16	31	9-12-1982
23	5.VIZAG PORT	132/33	2 x 31.5	63	25-11-1990
24	6.NAWAL WHARF	132/33	2 x 16	32	29-01-1988
25	7.KASIMKOTA	132/33	3 x 31.5	94.5	27-10-1993
26	8.PAYAKARAOPETA	132/33	2x31.5	63	14-10-1992
27	9.NAKKAVANIPALEM	132/33	1x80+1 x 50	130	30-12-1993
28	10.ANANDAPURAM	132/33	1x 16+2x31.5	79	12-6-2002
29	11. DGNP	132	Sw.St.	Sw.St.	19-12-2003
30	12. VSEZ	132/33	2x31.5	63	03-06-2010
31	13.NARSIPATNAM	132/33	1x31.5+1x16	47.5	30-10-2015
32	14.NARASINGABILLI	132/33	2 X 16	32	30-06-2016
33	15.MALKAPURAM	132/33	1 X 16+1x31.5	47.5	19-10-2016
34	16.CHODAVARAM	132/33	1 X 16+1x31.5	47.5	31-03-2018
35	17.PEDA WALTAIR (Hybrid GIS)	132/33	2x31.5	63	31-07-2018
36	18. PADERU	132/33	1x16	16	5-10-2019
	EAST GODAVARI				
37	1.PEDDAPURAM	132/33	3 x 31.5	94.50	1965-1966
38	2.RAMACHANDRAPURAM	132/33	1x50+2 x 31.5	113.00	18-09-1981
39	3.AMALAPURAM	132/33	1x50+2 x 31.5	113	11-7-1988
40	4.A.P PAPER MILLS (RJY) (Mallayapet)	132/33	2 x 50	100	1-1-1989
41	5.PRATHIPADU	132/33	2x31.5	63	31-03-1993
		132/11	1x16	16	
42	6. RAZOLE	132/33	2 x31.5	63	29-01-2001
43	7.RAJAGANARAM	132/33	1x50+2 x 31.5	113	25-09-2009
44	8.EDITHA	132/33	1X31.5+1X50	81.5	30-07-2010
45	9 PITAPURAM	132/33	1X31.5+1x16	47.5	31-08-2013
46	10. KOTHAPETA	132/33	1X31.5+1X50	81.5	20-09-2013
47	11.PRATAPNAGAR	132/33	1X31.5+1X50	81.5	21-11-2013
48	12.Konda Guntur (RVK Switching Station)	132/33	2X31.5	63	07-01-2015
49	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
50	14.BICCAVOLU	132/33	1 X 31.5+1X25+1X16	72.5	20-11-2016
51	15.GOLLAPALEM	132/33	1X31.5	31.5	28-11-19
52	16.MOMMIDIVARAM	132/33	2X31.5	63	07-02-20
	WEST GODAVARI				

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**
53	1.KAMAVARAPU KOTA	132/33	1x50+3 x 31.5	144.5	30-01-1981
54	2.BHIMAVARAM	132/33	2 x 50+1X31.5	131.50	11-1986
55	3.KOVVURU	132/33	2X31.5	63.00	31-12-1990
56	4.TANUKU	132/33	1 x 31.5+1 x 25+1x50	106.50	13-10-1992
57	5.JANGAREDDYGUDEM	132/33	2x50+1x31.5	131.5	31-01-1993
58	6.PEDATADEPALLI	132/33	2x50+1x31.5	131.50	29-03-1993
59	7.ELURU	132/33	1x50+1x80	130.00	08-12-1992
60	8.NARSAPURAM	132/33	1x50+1x31.5	81.5	29-09-1999
61	9.SAGGONDA	132/33	2x31.5+1 x 16	79	19-03-2004
62	10. CHINTALAPUDI	132/33	2x50	100	08-03-2005
63	11.NALLAJERLA	132/33	2x50	100	29-12-2005
64	12.PEDAVEGI	132/33	3x31.5	94.5	10-03-2006
65	13.NIDADAVOLU	132/33	3X50	150.00	30-11-1967
66	14. PENUGONDA	132/33	2X31.5	63	26-06-2014
67	15.YERNAGUDEM	132/33	2X31.5	63	28-12-2017
	KRISHNA				
68	1.KANUMOLU	132/33	1 x 31.5+1x50	81.5	05-03-1978
69	2.PAMARRU	132/33	1 x 31.5+1x50	81.5	05-04-1978
70	3.MACHILIPATNAM	132/33	2x50	100	17-12-1993
71	4.VIJAYAWADA (VJW)	132/33	2x50	100.00	28-01-1994
72	5.GANGOOR	132/33	1x50+1x31.5	81.5	30-12-2000
73	6. BHAVANIPURAM	132/33	2 x 31.5	63	31-07-2016
74	7. KHAMBAMPADU	132/33	1x50+1x31.5	81.5	08-07-2004
75	8.NANDIGAMA	132/33	1 x 31.5+1 x 16	47.5	09-08-2006
76	9.AVANIGADDA	132/33	2 x 31.5	63	31-03-2010
77	10.AUTO NAGAR	132/33	2x50	100	21-05-2013
78	11.CHIGURUKOTA	132/33	1x50+1x31.5	81.5	10-04-2016
79	12.RANGANNAGUDEM	132/33	2 x 31.5	63	21-11-2016
80	13.NARSAPURAM	132/33	1x16	16	8-1-2019
	GUNTUR				
81	1.GUNTUR	132/33	2 x 50+1x80	180	28-02-1977
82	2.TADEPALLI	132/33	2x31.5	63.00	Prior to
		132/33	1 x 50	50.00	1959-1960
83	3.BAPATLA	132/33	2x31.5+1 x 16	79	29-11-1978
84	4.MACHERLA	132/33	2x50+1x31.5	131.5	29-12-1975
85	5.PIDUGURALLA	132/33	1x50+1X31.5	81.50	30-03-1984
86	6.CHILAKALURIPETA	132/33	3x50	150.00	27-12-1987
87	7.TENALI	132/33	1x50+1X31.5	81.50	20-08-1993
88	8.REPALLE	132/33	2x31.5	63.00	30-12-1993
89	9.VINUKONDA	132/33	2x31.5	63.00	30-08-1999
90	10.NALLAPADU	132/33	3X31.5	94.5	17-08-2008
91	11.MARRIPALEM	132/33	3X31.5	94.5	24-01-2009
92	12.TANGEDA	132/33	2X16	32	26-08-2010 (28-12-2012)
93	13.KARAMPUDI	132/33	2X31.5	63	19-07-2010
94	14. RENTAPALLA	132/33	2X31.5	63	27-06-2013
95	15.GAJJANAGUNDLA	132/33	3X31.5	94.5	31-07-2013
96	16.CHAKRAYAPALEM	132/33	1X16+1x31.5	47.5	28-03-2016
97	17.YADAVALLI	132/33	1X15	15	29-03-2018
98	18. PONNURU	132/33	1x31.5	31.5	23-07-2018
99	19. UPPALAPADU (VELDURTHY)	132/33	2X10/16	32	28-07-2018
100	20.UNDAVALLI(LIS)	132/11	2X31.5	63	09-09-2018
	PRAKASHAM				
101	1.ONGOLE	132/33	1X16+1x31.5	47.5	1963-1964
102	2.CUMBUM	132/33	1 X 16+2x31.5	79	27-02-1974
103	3.KANIGIRI	132/33	2X31.5	63.00	25-07-1990
104	4.CHIRALA	132/33	2 X31.5+1X16	79.00	13-06-1993
105	5.ERRAGONDAPALEM	132/33	1x50+1X31.5	81.50	31-03-1994
106	6. KANDUKUR	132/33	1x31.5+1 X 50	81.50	29-05-1996
107	7.GIDDALUR	132/33	2x31.5	63.00	13-08-1997
108	8.MEDARAMETLA	132/33	2x31.5	63.00	19-03-2001
109	9.PEDDADORNALA	132/33	2x16	32.00	31-03-2008

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**
110	10.INKOLLU	132/33	2 X 10/16	32	31-03-2008 Trs charged on 26-11-2016
111	11.MARTUR	132/33	1x50+1x31.5	81.50	02-10-2008
112	12.PAMURU	132/33	1X31.5+1x16	47.50	18-07-2010
113	13.TANGUTURU	132/33	1x31.5+1x16	47.50	31-3-2012
114	14.ADDANKI	132/33	2X31.5	63.00	11-01-2014
115	15.LINGASAMUDRAM	132/33	2x16	32	5-09-2014
116	16.DARSI	132/33	2X31.5	63	24-09-2014
117	17.KESINENIPALLY	132/33	1X31.5+1X16	47.5	23-06-2015 08-10-2015
118	18.ANUMALAPALLI	132/33	1x31.5	31.5	27-11-2019
	NELLORE				
119	1.NELLORE SOUTH (NAVLAC GA	132/33	2x31.5+1x50	113.00	23-11-1981
120	2.VENKATAGIRI	132/33	2x31.5	63.00	24-09-1992
121	3.SRIHARIKOTA	132/11	2 X 16	32.00	18-11-1978
122	4.GUDUR	132/33-11	1 X 16+1x25+2X31.5	104	10-7-1980
123	5.ATMAKUR	132/33	1x50+1x31.5	81.5	19-02-1988
124	6.KAVALI	132/33	1x31.5+1x50	81.50	22-12-1980
125	7.CHENDODU	132/33	1x50+1x31.5	81.50	11-12-1991
126	8.ALLURU	132/33	1x50+1x31.5	81.5	16-03-2001
127	9.UDAYAGIRI	132/33	2 X 16+1x50	82	07-12-2001
128	10. ADURUPALLI	132/33	3 X 16	48.00	9-10-2004
129	11. BRAHMADEVAM	132/33	2x31.5	63	31-3-2005
130	12.NAIDUPET	132/33	1x50+1X31.5	81.50	03-08-2005
131	13.NTS KOVVUR	132/33	3x31.5	94.50	01-01-2006
132	14.MENAKURU	132/33	1x50+1X31.5	81.5	21-12-2012
133	15.RAPUR	132/33	2X16	32.00	6-03-2018
134	16.VINZAMUR	132/33	1x31.5+1x15	46.5	22-02-2019
	CHITTOOR				
135	1.PUTTUR	132/33	2 X 31.5	63.00	12-6-1982
136	2.TIRUPATHI	132/33	2x50	100.00	12-11-1986
137	3.PAKALA	132/33	1x31.5+1x50	81.5	4-2-1990
138	4.SRIKALAHASTI	132/33	1x50+2x31.5	113.00	31-03-1987
139	5.MADANAPALLY	132/33	1x50+1 X 31.5	81.50	10-8-1986
140	6.SHANTIPURAM	132/33	2x50	100	04-01-1993
141	7.KOTHAPALLI MITTA	132/33	2x50	100	16-06-1997
142	8.CHANDRAGIRI	132/33	1x31.5+1x16	47.5	8-11-1998
143	9.BURAKAYALAKOTA	132/33	1x50+1 X 31.5	81.5	27-03-1999
144	10.ROMPICHERLA	132/33	2x31.5	63	06-07-1999
145	11. KUPPAM	132/33	1x50+1x31.5	81.50	24-08-2000
146	12.PUNGANURU	132/33	1x50+1X31.5	81.50	19-03-2001
147	13.GURRAMKONDA	132/33	2x31.5	63.00	26-11-2005
148	14.NAGALAPURAM	132/33	1x31.5+1X16	47.50	29.3.2007(TC)
149	15.IRALA	132/33	1x31.5+1X16	47.5	02-12-2009
150	16.SOMALA	132/33	2x31.5	63	31-3-2012
151	17.TIRUMALA	132/33	2X16	32	31-3-2012
152	18.CHERVI	132/33	1x50+1X31.5	81.5	16-09-15
153	19.SIVARAMPURAM LIS SS	132/33	2X31.5	63	03-04-2016
154	20.B.KOTHAKOTA	132/33	2X16	32	26-03-2016
155	21.ALIPIRI	132/33	1x50+1X31.5	81.5	21-09-2016
156	22.BANDLAVANDLAPALLI(LIS SS)	132/33	2X10/16	32	27-10-2016
157	23.NOONEGUNDLAPALLI	132/33	2X31.5	63	20-07-2017
158	24.RAMASAMUDRAM	132/33	2X31.5	63	25-06-2018 (2nd 16 MVA)
159	25.GREENPLY	132/33	SWS		23-01-2008
160	26.KOTHAPALLY	132/33	2X31.5	63	20-08-2019
161	27.YERPEU	132/33	2x80	160	09-09-2019
	ANANTHAPUR				
162	1.DHARMAVARAM	132/33	3x31.5+1X16	110.50	10-11-1970
163	2.JAMMALABANDA	132/33	1x31.5+1x50	81.5	30-09-1994
164	3.PUTTAPARTHY	132/33	2x50	100	22-11-1993
165	4.KADIRI	132/33	2x50	100	02-07-1984
166	5.GUNTAKAL	132/33	2x31.5	63.00	31-03-1988

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
167	6.RAYADURG	132/33	2x50	100.00	30-07-1998
168	7.KOMATIKUNTA	132/33	1x31.5+1x50	81.5	26-07-2003
169	8.URAVAKONDA	132/33	2x31.5	63.00	29-11-2007
170	9.THUMKUNTA	132/33	3X50	150.00	26-12-2010
171	10.ANKAMPALLY(LIS)	132/11	3X16	48.00	16-03-2011
172	11.KOMALI (Sw Stn)	132/33			12-07-2012
173	12.THANAKALLU	132/33	1x31.5+2X16	63.5	21-12-2013
174	13.OBULAPURAM	132/33	1X31.5+1x16	47.5	12-03-2015
175	14. Nagalapuram	132	SWS	0.00	12-01-2016
176	15. Gudipadu	132/33	SWS	30.00	02-11-2017
177	16. Beechganipalli	132/33	SWS	32.00	02-11-2017
178	17. Lepakshi	132/33	2x16	32.00	27-11-2017
179	18. Madakasira LIS	132/33	2x16	32.00	28-12-2017
180	19. Taticherla	132/33	1x31.5	31.50	05-02-2018
181	20. Tadimarri	132/33	1x31.5	31.50	30-03-2018
182	21. Amarapuram	132/33	1x16	16.00	20-09-2018
	KADAPA				
183	1.BADWEL	132/33	1 x 31.5+2x16	63.5	10-07-1993
184	2.PULIVENDULA	132/33	2 x 31.5	63	29-12-1986
185	3.PRODDUTUR	132/33	2 x 31.5	63	17-09-1989
186	4.RAYACHOTI	132/33	1x 31.5+1x50	81.50	31-03-1992
187	5.VONTIMITTA	132/33	2 x 16	32.00	05-07-2000
188	6.BALAPANUR	132/33	2x31.5	63.00	26-10-2000
189	7.THIMMAYAGARIPALLI	132/33	3 x 16	48.00	12-04-2001
190	8. JAMMALAMADUGU	132/33	2x31.5	63.00	28-03-2005
191	9. VEMPALLI	132/33	2x31.5+1x16	79.00	31-03-2005
192	10.PORUMAMILLA	132/33	2x31.5	63.00	22-10-2005
193	11.MOOLAVANKA	132/33	2 x 31.5+1 x 16	79	20-02-2009
194	12.SAMBEPALLE	132/33	3X16	48.00	04-06-2011
195	13.RTSS KADAPA		SWT.STN	0.00	12-11-2010
196	14.RTSS MUDDANUR		SWT.STN	0.00	09-02-2011
197	15.GANDIKOTA (GKLIS)	132/11	2x25	50.00	24-11-2011
198	16.LINGALA	132/33	3x16	48.00	30-1-2012
199	17.DUVVUR	132/33	1 x 31.5+1 x 16	47.50	26-08-2015
200	18.KALASAPADU	132/33	1 x 31.5+1 x 16	47.5	13-03-2019
201	19.BRAHMAM GARI MATAM	132/33	1x31.5	31.5	29-03-2019
	KURNOOL				
202	1.KURNOOL	132/33	2x 31.5	63.00	18-04-1970
203	2.CEMENT NAGAR	132/33	1 x 31.5+1 x 16	47.5	22-05-1981
204	3.ALLAGADDA	132/33	2x50	100	29-12-1994
205	4.ADONI	132/33	2 x 31.5+1x16	79	21-11-1978
206	5.DHONE	132/33	2 x 31.5	63.00	24-06-1993
207	6.ATMAKUR	132/33	1 x 31.5+1x16	47.5	13-03-1994
208	7.YEMMIGANUR	132/33	2x50	100	24-05-1996
209	8.PATHIKONDA	132/33	2 x 31.5	63	30-12-1998
210	9. GUDUR	132/33	2 x 31.5	63	22-03-2004
211	10.AKKIREDDYPALLI	132/33	2x16	32	29-11-2005
212	11.BANAGANAPALLI	132/33	3 x 16	48.00	31-03-2006
213	12.NANDIKOTKUR	132/33	2 x 31.5	63.00	26-12-2008
214	13.SRISAILAM	132/33	2X16	32.00	30-10-2009
215	14.RACHARLA	132/33	2 x 31.5	63	31-3-2010
216	15. MANTRALAYAM (madhavaram)	132/33	1x31.5+1x16	47.5	07-08-2017
217	16. MUDIGEDU	132/33	1x31.5+1x16	47.5	29-03-2014
218	17. ALURU	132/33	3x16	48	25-01-2016
219	18.RUDRAVARAM	132/33	1x31.5+1x16	47.5	18-11-2018
				14625.5	

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

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

7.1 EHV SUB-STATIONS COMMISSIONED DURING 2019-20

S.No	Name of the Sub-station	District	Capacity	Capacity Commissioned	Date of charging
A)	**400 kV Sub - Stations**				
	NIL				
B)	**220 kV Sub - Stations**				
1	220/132kV SS Prathipadu	Guntur	1x100	100.00	22.04.2019
2	220/33kV SS Ammavaripalli	Anantapur	3x50	150.00	24.07.2019
3	220/132kV SS Tiruamalayapalli	Kadapa	1x100	100.00	22.01.2020
			TOTAL	350.00	
	132/33kV Sub-stations				
1	132/33KV SS Vinzamur	Nellore	1x31.5+1x15	46.5	22.02.2019
2	132/33KV SS Paderu	Visakhapatnam	2 x 10/16	32	10.05.2019
3	132/33KV SS Kothapalli(Gudipala)	Chittoor	2 x 31.5	63	20.08.2019
4	132/33 KV SS Yerpedu	Chittoor	2 x 80	160	09.09.2019
5	132/33 KV SS Anumalapalle	Prakasam	1x31.5	31.5	27.11.2019
6	132/33 KV SS Gollapalem	East Godavari	1x31.5	31.5	28.11.2019
7	132/33kV SS Mummidivaram	East Godavari	2x31.5	63	07.02.2020
			TOTAL	427.5	

7.2 33/11 KV SUB-STATIONS COMMISSIONED DURING THE YEAR 2019-20

Sl.No	Discom/ District	Name of the 33/11 KV Sub-Station	Funding Agency	Power Transformer Capacity (in MVA)	Date of Commissioned
			EPDCL		
1	Vizianagaram	APIIC	WBP - PFA (24x7)	1x5	05.10.2019
2	Vizianagaram	Rajeev Sports Complex	WBP - PFA (24x7)	1x5	05.10.2019
3	Vizianagaram	Nallacheruvu	WBP - PFA (24x7)	1x5	18.03.2020
4	Vizianagaram	Merakamudidam	T&D Works	1x5	l 1.06.2020
5	Vizianagaram	Nagallavalasa	T&D Works	1x5	03.10.2020
6	Visakhapatnam	AU South Campus	WBP - PFA (24x7)	2x5	17.10.2019
7	Visakhapatnam	AU North Campus	WBP - PFA (24x7)	2x5	17.10.2019
8	Visakhapatnam	Srinivasa Nagar	WBP - PFA (24x7)	2x5	29.01.2020
9	Visakhapatnam	Subbalakshmi Nagar	WBP - PFA (24x7)	2x5	21.11.2019
10	Visakhapatnam	Pradhama hospital	WBP - PFA (24x7)	2x5	01.02.2020
11	Visakhapatnam	B.C. Road near Banoji Garden	WBP - PFA (24x7)	2x5	08.08.2019
12	Visakhapatnam	Chukkavanipalem	WBP - PFA (24x7)	2x5	08.08.2019
13	Visakhapatnam	APTRANSCO/TLSS Qrts premises	WBP - PFA (24x7)	2x5	29.04.2019
14	Visakhapatnam	JUG Centre Ward No.60	WBP - PFA (24x7)	2x5	08.08.2019
15	Visakhapatnam	Mulagada	WBP - PFA (24x7)	2x5	11.02.2020
16	Visakhapatnam	NSTL Madhavadhara	WBP - PFA (24x7)	2x5	12.02.2020
17	Visakhapatnam	Polytechnic college	WBP - PFA (24x7)	2x5	14.10.2019
18	Visakhapatnam	ITI Junction	WBP - PFA (24x7)	2x5	12.02.2020
19	Visakhapatnam	Revenue Colony	WBP - PFA (24x7)	2x5	23.09.2019
20	Visakhapatnam	Police Quarters, Visalakshi Nagar	WBP - PFA (24x7)	2x5	25.07.2019
21	Visakhapatnam	Harita VUDA Layout	WBP - PFA (24x7)	2x5	02.07.2019
22	Visakhapatnam	Simhachalam	WBP - PFA (24x7)	2x5	14.10.2019
23	Visakhapatnam	R.R.V Puram	WBP - PFA (24x7)	2x5	11.02.2020
24	Visakhapatnam	Aganampudi	WBP - PFA (24x7)	2x5	15.02.2020
25	Visakhapatnam	Yelamanchili	WBP - PFA (24x7)	2x5	15.02.2020
26	East Godavari	Gaigolupadu	WBP - PFA (24x7)	1x5	28.11.2019
27	East Godavari	Anandabharati	WBP - PFA (24x7)	1x5	07.03.2020
28	East Godavari	Gopalapuram	REC - 9Hrs Agl.	1x5	19.02.2020
29	East Godavari	Elakolanu	REC - 9Hrs Agl.	1x5	05.03.2020
30	West Godavari	Yagarlapalli	WBP - PFA (24x7)	1x5	20.09.2019
31	West Godavari	Pathuru	WBP - PFA (24x7)	1x5	11.10.2019
32	West Godavari	Chodimella	WBP - PFA (24x7)	1x5	01.10.2019
33	West Godavari	MRO Complex	WBP - PFA (24x7)	1x5	13.01.2019
34	West Godavari	T. Gokavaram	REC - 9Hrs Agl.	1x5	31.01.2020
35	West Godavari	Gowripatnam	REC - 9Hrs Agl.	1x5	25.02.2020
36	West Godavari	Bhogapuram	REC - 9Hrs Agl.	1x5	07.03.2020
37	West Godavari	Saagipadu	REC - 9Hrs Agl.	1x5	09.03.2020
38	West Godavari	Kondagudem	REC - 9Hrs Agl.	1x5	09.03.2020
39	West Godavari	Chakradevarapalli	REC - 9Hrs Agl.	1x5	09.03.2020
40	West Godavari	Vijayarayi	REC - 9Hrs Agl.	1x5	16.03.2020
41	West Godavari	Vegavaram	REC - 9Hrs Agl.	1x5	21.03.2020
42	West Godavari	Saripalli	T&D Works	1x5	21.0 l .2020
			SPDCL		
1	Krishna	Anasagaram	DDUGJY	1X5	27-07-19
2	Krishana	APIIC,Chillakallu	DDUGJY	1*5	30-09-19
3	Guntur	RTC SS (R&M) Convertion of	IPDS	2X10	17-04-19

Sl.No	Discom/ District	Name of the 33/11 KV Sub-Station	Funding Agency	Power Transformer Capacity (in MVA)	Date of Commissioned
4	Guntur	Sangadiguntta semi-indoor SS	IPDS	2X12.5	18-04-19
5	Guntur	Gurajala SS	DDUGJY	1X5	25-04-19
6	Guntur	Panduranga puram(Bapatla)	DDUGJY	1 X 5.0	14-06-19
7	Guntur	MC Palem	DDUGJY	1 X 5.0	27-06-19
8	Guntur	Gummanampadu	DDUGJY	1 X 5.0	27-06-19
9	Guntur	Mellavagu	DDUGJY	1 X 5.0	27-06-19
10	Guntur	Edlapalli	DDUGJY	1X5	26-07-19
11	Ongole	Market Yard Giddalur	DDUGJY	1x5	22-05-19
12	Ongole	Burujupalli	DDUGJY	1x5	09-05-19
13	Ongole	R.L.Puram	DDUGJY	1x5	13-06-19
14	Ongole	Nallaguntla	DDUGJY	1x5	25-09-19
15	Ongole	P.Venkatapuram	DDUGJY	1x5	10-10-19
16	Ongole	Nadigadda	IMP	1x5	14-11-19
17	Ongole	Motupalli	IMP	1x5	31-12-19
18	CRDA	MaddiNagar	T&D	1x5	19-12-19
19	CRDA	Thimmapuram	DD	1 x 5.0 MVA	31-12-20
20	Nellore	Karraballavolu	T &D	1 X 5	15-04-19
21	Nellore	Kammavaripalli	DDUGJY	5 MVA	19-06-19
22	Nellore	Kotha Vangallu	DDUGJY	5	11-07-19
23	Nellore	Kothapalem	DDUGJY	5	20-07-19
24	Nellore	Annavaram	DDUGJY	5	27-07-19
25	Nellore	Pottempadu	DDUGJY	5	18-07-19
26	Nellore	Mungamuru	DDUGJY	2 x 5	19-08-19
27	Nellore	Vaddipalem (Baba Nagar)	T&D	1x5	15-03-20
28	Tirupati	Gangapuram	DDUGJY	1x5	28-06-19
29	Tirupati	Musalikunta	DDUGJY	1x5	28-06-19
30	Tirupati	Sricity (Cherivi)	DDUGJY	2 x 8	10-07-19
31	Tirupati	Thamballapalle	DDUGJY	1 x 5.0	18-09-19
32	Tirupati	Parikidona	T & D	1 x 5.0	18-09-19
33	Tirupati	33/11 KV SS Nalagampalli	DDUGJY scheme	1 x 5.0 MVA	25-10-19
34	Tirupati	Eguvapalakuru	T & D scheme	1 x 5.0 MVA	14-11-19
35	Tirupati	33/11 KV SS Gadanki	T & D	1 x 5.0 MVA	09-01-20
36	Tirupati	33/11 KV SS Irakampbattu	REC scheme	1 x 5.0 MVA	31-03-20
37	Kadapa	Yerraguntala Town	DDUGJY	1 X 5	20-05-19
38	Kadapa	Vontimitta	DDUGJY	1 X 5.0	26-06-19
39	Kadapa	Suddamalla	DDUGJY	1x5	15-07-19
40	Kadapa	T. Velamvaripalli	DDUGJY	1X5.0	23-10-19
41	Kadapa	K. Yerragudi	DDUGJY	1X5.0	23-10-19
42	Anantapur	Sirivaram	DDUGY	5	31-08-19
43	Anantapur	D'Hirehal	DDUGY	5	14-08-19
44	Kurnool	Ramallkota	DDUGJY	1X5	23-04-19
45	Kurnool	Kocheruvu	DDUGJY	1x5MVA	22-05-19
46	Kurnool	Nallagatla	DDUGJY	1X5MVA	22-06-19
47	Kurnool	C.Kambaluru	DDUGJY	1X5MVA	22-06-19

No.of 33/11KV Sub-stations commissioned during 2019-20 upto 31-03-2020 : 89 Nos.

7.3 (A) 132 kV, 30 MVAR CAPACITOR BANKS / COMMISSIONED DURING 2019-20				
Sl.No.	Name of the Substation(District)	Capacity in MVAR	Make	Date of Commissioning
	NIL			

7.3 (B) 33 kV CAPACITOR BANKS COMMISSIONED DURING 2018-19				
Sl.No.	Name of the Substation(District)	Capacity in MVAR	Make	Date of Commissioning
VISAKHAPATNAM ZONE				
	NIL			
VIJAYAWADA ZONE				
	NIL			
KADAPA ZONE				
1	220KV SS AP Carbides,Kurnool/Guduru	7.2	SHREEM	26-06-2019.
2	132KV SS Rayachoti/Lingala.	7.2	SHREEM	14-05-2019
	TOTAL	**14.4**		

7.3 -(C) 33kV SHUNT CAPACITOR BANKS COMMISSIONED YEAR WISE 1984-85 to 2019-20

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
* Residual AP			

AUGMENTATION OF TRANSFORMER CAPACITY DURING 2019-20						
Sl. No.	**Name of the Sub-station**	**District**	**Existing (MVA)**	**Augmented (MVA)**	**Net increase Trans-former capacity (MVA)**	**Date of charging**
AUGMENTATION OF TRANSFORMER CAPACITY AT 400 KV SUB-STATIONS						
1	400/220 KV Uravakonda Substation	Ananthapur	3x315 + 1x500	2x315 + 2x500	**185.0**	13.05.2019
AUGMENTATION OF TRANSFORMER CAPACITY AT 220 KV SUB-STATIONS						
1	220KV SS Rentachintala	Guntur	2 x 100	3 x 100	100	05.04.2019
2	220 KV SS Ongole	Prakasam	1x160+2x100	2x160+1x100	60	22.07.2019
3	220 KV SS Rachagunneri	Chittoor	2 x 100	1 x 100+1 x 160	60	05.09.2019
4	220 KV SS Bommuru	East Godavari	1 x 160+2x100	2x160+1x100	60	21.09.2019
5	220 KV SS Kadapa	YSR Kadapa	3x100	1x160+2x100	60	18.10.2019
6	220 KV SS Anantapuram	Anantapuram	3x100	1x160+2x100	60	08.11.2019
7	220 KV SS Gudiwada	Krishna	1x160+2x100	2x160+1x100	60	08.01.2020
8	220 KV SS Kondapalli	Krishna	1x160+2x100	2x160+1x100	60	09.01.2020
9	220 KV SS Undi	West Godavari	1x160+2x100	2x160+1x100	60	11.01.2020
10	220 KV SS Kakinada	East Godavari	1x160+2x100	2x160+1x100	60	30.01.2020
				TOTAL	**640.0**	
220/132/33kV features at 220 kV Sub-stations						
1	220 KV SS at Koduru	Kadapa	2 x 31.5	3 x 31.5	31.5	03.04.2019
2	220KV SS Parchuru	Prakasam	2 x 10/16	1 x 31.5+1x10/16	15.5	05.04.2019
3	220 KV SS Bhimadole	West Godavari	2x31.5+1x50	1x31.5+2x50	18.5	07.07.2019
4	220 KV SS Gudivada	Krishna	1x50+x31.5	2x50	18.5	16.07.2019
5	220KV SS Undi	West Godavari	1x50+3x31.5	2x50+2x31.5	18.5	06.08.2019
6	220 KV SS Podili	Prakasam	1x50+1x31.5	1x50+2x31.5	31.5	28.08.2019
7	220KV SS Undi	West Godavari	2x50+2x31.5	3x50+1x31.5	18.5	26.10.2019
8	220 KV SS Duvva	West Godavari	1x31.5+1x10/16	2x50(1st 50)	34	13.12.2019
9	220 KV SS Renigunta	Chittoor	1x31.5+2x10/16	2x31.5+1x10/16	15.5	19.12.2019
TOTAL					**202.00**	
AUGMENTATION OF TRANSFORMER CAPACITY AT 132 KV SUB-STATIONS						
1	132 KV SS Ramasamudram	Chittoor	1X31.5	1x31.5	31.5	22.04.2019
2	132 KV SS Penugonda	West Godavari	1x31.5+1x10/16	2x31.5	15.5	23.04.2019
3	132 KV SS Santhipuram	Chittoor	1x31.5+1x50	2x50	18.5	28.04.2019
4	132 KV SS Biccavole	East Godavari	1x10/16+1x25	1x10/16+1x25+1x 31.5	31.5	07.05.2019
5	132KV SS Allagadda	Kurnool	1x50+1x31.5	2x50	18.5	15.05.2019
6	132KV SS Somala	Chittoor	1x31.5+1x10/16	2 x 31.5	15.5	16.05.2019
7	132KV SS Anandapuram	Visakhapatnam	1x31.5+2x10/16	2x31.5+1x10/16	15.5	16.05.2019
8	132 KV SS Jammalamadugu	Kadapa	1x31.5+1x10/16	2x31.5	15.5	16.05.2019
9	132 KV SS Bapatla	Guntur	1x16+1x31.5+1x50	2x31.5+1x50	18.5	04.06.2019

AUGMENTATION OF TRANSFORMER CAPACITY DURING 2019-20						
Sl. No.	**Name of the Sub-station**	**District**	**Existing (MVA)**	**Augmented (MVA)**	**Net increase Trans-former capacity (MVA)**	**Date of charging**
10	132 KV SS Chervi	Chittoor	1x31.5+1x10/16	1x31.5+1x50	34	16.06.2019
11	132 KV SS Kurnool	Kurnool	1x31.5+1x10/16	2x31.5	18.5	22.06.2019
12	132 KV SS Moolavanka	Kadapa	2x10/16+1x31.5	1x10/16+2x31.5	15.5	01.07.2019
13	132 KV SS Editha	East Godavari	2x31.5	1x31.5+1x50	18.5	06.07.2019
14	132 KV SS Machilipatnam	Krishna	1x50+1x31.5	2x50	18.5	10.07.2019
15	132 KV SS Kothapeta	East Godavari	2x31.5	1x31.5+1x50	18.5	27.07.2019
16	132KV SS Pratapnagar	East Godavari	2x31.5	1x31.5+1x50	18.5	31.07.2019
17	132 KV SS Alluru	Nellore	2 x 31.5	1x50+1x31.5	18.5	13.08.2019
18	132 KV SS Pedavegi	West Godavari	2x31.5	3x31.5	31.5	22.08.2019
19	132 KV SS Narasapuram	West Godavari	2x31.5	1x31.5+1x50	18.5	30.08.2019
20	132 KV SS Rajanagaram	East Godavari	2x31.5	1x31.5+1x50	18.5	30.08.2019
21	132 KV SS Pakala	Chittoor	2x31.5	1x31.5+1x50	18.5	11.09.2019
22	132 KV SS Garbham	Vizianagaram	2 x 15	1x15+1x31.5	16.5	20.09.2019
23	132 KV SS Puttaparthy	Ananthapur	1x31.5+1x50	2x50	18.5	26.09.2019
24	132 KV SS Guduru	Kurnool	1x31.5+1x10/16	2x31.5	15.5	03.10.2019
25	132 KV SS Addanki	Prakasam	1x31.5+1x10/16	2x31.5	15.5	05.10.2019
26	2 nd PTR at 132 KV SS Ponnuru	Guntur		1x315.5	31.5	28.10.2019
27	132 KV SS Nagala Puram	Chittoor	1x10/16+1x31.5	2x31.5	15.5	13.11.2019
28	132 KV SS Pitapuram	East Godavari	1x31.5+1x10/16	1x31.5+1x50	34	14.11.2019
29	132 KV SS Repalle	Guntur	2x31.5	1x31.5+1x50	18.5	28.11.2019
30	132 KV SS Rudravaram	Kurnool	2x10/16	1*10/16+1*31.5	15.5	10.12.2019
31	132 KV Badvel	YSR Kadapa	3x10/16	1x31.5+2x10./16	15.5	10.12.2019
32	132/33 KV SS Koru prolu	Visakhapatnam	1x31.5+1x50	2x50	18.5	11.12.2019
33	132 KV SS Gujjana guntla	Guntur	2x31.5	3x31.5	31.5	21.12.2019
34	132kV SS Udayagiri	Nellore	3x10/16	1x50+2x10/16	34	03.02.2020
35	132kV SS Sullurpeta	Nellore	2x31.5	1x50+1x31.5	18.5	14.02.2020
36	132kV SS Tanakallu	Ananthapur	3x10/16	2x10/16+1x31.5	15.5	14.02.2020
37	132kV SS Gudur	Nellore	2x10/16+1x25+1x31.5	1x10/16+1x25+2x31.5	15.5	20.02.2020
38	132kV SS Yemmiganur	Kurnool	1x31.5+1x50	2x50	18.5	24.02.2020
39	132kV SS Jangareddygudem	West Godavari	2x31.5+1x50	1x31.5+2x50	18.5	18.03.2020
40	132kV Kamavarapukota	West Godavari	4x31.5	3x31.5+1x50	18.5	23.03.2020
				TOTAL	**813.50**	
TOTAL 132 kV,220 kV & 400 kV (Only Augmentation)					**1840.50**	

7.5 SUBSTATIONS (DISTRICT WISE) AS ON 31-03-2020						
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	103	114
2.	Vizianagaram	1	3	8	108	120
3.	Visakhapatnam	1	8	18	202	229
4.	East Godavari	1	7	16	206	230
5.	West Godavari	1	7	15	267	290
Total for EPDCL		**4**	**26**	**67**	**886**	**983**
APSPDCL						
6.	Krishna	0	6	13	256	275
7.	Guntur	1	5	20	259	285
8.	Prakasam	1	5	18	295	319
9.	Nellore	1	4	16	262	283
10.	Chittoor	2	9	27	394	432
11.	Kadapa	1	12	19	287	319
12.	Anantapur	3	21	21	253	298
13.	Kurnool	2	13	18	231	264
SPDCL		**11**	**75**	**152**	**2237**	**2475**
Total for Andhra Pradesh		**15**	**101**	**219**	**3123**	**3458**

7.6 EHV TRANSMISSION LINES COMPLETED/COMMISSIONED DURING 2019-20

Sl. No.	Name of the line	No. of Circuits	Route Length in KM	Length circuit in CKM	Date of completion/ Commissioning
400kV lines					
	NIL				
220kV lines					
1	220KV DC line from 400/220KV SS Kalikiri to 220/132KV SS Madanapalli in Chittoor Dt	DC	29.33	58.66	26.04.2019
2	Erection of 220KV DC LILO line from 220KV Tadikonda-Ongole line to 220/132KV Prathipadu in Guntur Dt	DC	2.16	4.32	22.04.2019
3	Erection of 220KV DC line from 400KV SS Sattenapalli to 220KV SS Guntur(Prathipadu)in Guntur Dt	DC	47.795	95.59	29.06.2019
4	Erection of 220KV DC line from Boksampalli to i)KIA Motors Switching station and ii)220/33KV Ammavaripalli in Ananthapur Dt	DC	17.5	35	24.07.2019
5	LILO of Nunnur-Regumaugadda line to 220/11KV Brahmanakotkur SS and test charge of Brahmanakotkur to Regumanugadda up to Loc No29 in Kurnool Dt	SC	27.37	27.37	30.09.2019
6	220kV DC line from 400kV Jammalamadugu to 220/132kV SS Tirumalayapalli in YSR Kadapa district	DC	17	34	22.01.2020
	TOTAL			254.94	
132kv lines					
1	Erection of 132KV DC/SC line from 220KVAtmakur SS to 132KV SS Vinjamur	DC/SC	25.4	25.4	29.05.2019
2	Erection of 132 KV DC radial line from proposed 132/33 KV SS Kothapalli to 132KV Noonegundlapalli in Chittoor Dt	DC	20	40	20.08.2019
3	Erection of 132 KV LILO line from 132 KV Nidadavolu-Tanuku to proposed 220/132/33KV SS Duvva in Wesr Godavari DT	DC	12.23	24.47	16.08.2019
4	Erection of 132KV DC line from 220KV SS Rachagunneri to 132/33KV SS Yerpedu in Chittoor Dt	DC	5.3	10.6	09.09.2019
5	Erection of 132KV DC line LILO of 2nd circuit of 132 KV cumbum-giddalur line to the proposed 132/33 KV SS at annumalapalle in praksam district	DC	15.33	30.66	27.11.2019
6	Erection of 132KV DC line LILO of 2nd circuit of 132 KV Kakinada - yanam line to the proposed 132/33 KV SS at gollapalem SS at LOC 68 in East godavari district	DC	7.15	14.3	28.11.2019
7	Stringing of 2nd circuit on existing 132 KV kakinada-yanam DC/SC line in East Godavari District	DC/SC	19.5	19.5	28.11.2019
8	132 KV DC/SC line from Brandix to nava Base coast in Visakhapatnam	DC/SC	15	15	29.11.2019
9	Erection of 132kV DC Line for making LILO of 132kV Ramachandrapuram – Amalapuram radial line to proposed 132/33 kV Mummidivaram SS in East Godavari district	DC	8.93	17.86	07.02.2020
	Total 132 kV Lines (CKM)			**197.79**	

7.7 Inter-State and Inter-Regional Tie Line flows - Line wise in MU, Maximum Demand in MW (both Import & Exports) during 2019-20

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	
1	Kalapaka - Asupaka $	Andhra Pradesh	Telangana	489.02	485.41	3.61	350 MW during July 19	70 MW during June 19	114:40:00
2	Kalapaka - Khammam	Andhra Pradesh	Telangana	744.11	732.05	12.06	355MW During Dec19	230 MW during August 19	9:58:00
3	400 KV Sattenapalli-Srisailam-1	Andhra Pradesh	Telangana	319.46	444	-124.54	324 MW During Jan 20	291 MW during July 19	91:23:00
4	400 KV Sattenapalli-Srisailam-2	Andhra Pradesh	Telangana	162.28	370.2	-207.92	272MW During Jan20	298MW During Sep19	2003:52:00
5	400KV Srisailam-Narnoor	Andhra Pradesh	Telangana	180.65	453.73	-273.08	528MW During Aug19	467MW During Nov19	479:00:00
6	400 KV Chittoor - Madras	APTRANSCO/AP	PGCIL/TN	1290.83	0.02	1290.81	430MW During May19	-	95:26:00
7	400 KV Chittoor - Thiruvalam -I	APTRANSCO/AP	PGCIL/TN	1021.48	182	839.48	680MW During May 19	-410 MW During Mar-20	46:11:00
8	400 KV Chittoor - Thiruvalam -II	APTRANSCO/AP	PGCIL/TN	1030.48	179.3	851.18	650 MW During May 19	-240 MW during Aug 19	38:18:00
9	400 KV Kalpaka-PGCIL(Gajuwaka)-1	APTRANSCO/AP	PGCIL	1022.77	1022.59	0.18	380 MW during Aug 2019	230MW During April19	9:51:00
10	400 KV Kalpaka-PGCIL(Gajuwaka)-2	APTRANSCO/AP	PGCIL	2011.47	2011.17	0.3	380 MW during Aug 20019	230 MW During April 2019	0
11	400KV Uravakonda-Veltoor- I	Andhra Pradesh	Telangana	65.46	7.35	58.11	919.16MW During May19	271MW During June19	1966:35:00
12	400KV Uravakonda-Veltoor- II	Andhra Pradesh	Telangana	31.81	3.04	28.77	629.74MW During June 2019	319.74MW During May 2019	5334:57:00
13	400KV Sattenapalli – CH.Peta - I	APTRANSCO	PGCIL	423.62	399.35	24.27	412MW During Nov19	520MW During Mar20	10:44:00
14	400KV Sattenapalli - CH.Peta - II	APTRANSCO	PGCIL	422.73	399.55	23.18	412MW During Nov19	477MW During Mar20	11:52:00
15	400 KV Sattenapalli - Vijayawada	APTRANSCO/AP	PGCIL	34.36	523.09	-488.73	146 MW During Aug19	265MW During Jan20	51:53:00
16	400 KV Narnoor - Maheswaram	APTRANSCO/AP	PGCIL/TN	98.43	740.56	-642.13	MWDuring Aug	MWDuring Apr	550:26:00
17	400 KV Narnoor-Gooty	APTRANSCO/AP	PGCIL/AP	1540.28	736.99	803.29	IWDuring Apı	306 MW During August19	50:24:00
18	400 KV Narnoor - Orvakal-1	APTRANSCO/AP	PGCIL/AP	563.60	315.47	248.13	735MW During May19	365MW During Feb 20	46:15:00
19	400 KV Narnoor - Orvakal-2	APTRANSCO/AP	PGCIL/AP	571.93	315.58	256.35	736MW During May19	368 MW During Feb 20	28:04:00
20	400 kV Manubolu - VTPS	Andhra Pradesh	PGCIL	-	-	1313.83	-	356 MW During May19	13:05:00
220KV Lines									
1	220KV Ragulapadu - Allipura	KARNATAKA	Andhra Pradesh	109.4	98.82	10.58	96.84MW during June 2019	71.2MW March 20	29:42:00
2	220 KV Chittoor - Tiruvalam	Andhra Pradesh	Tamila Nadu	831.03	1.27	829.76	403MW During May 19	29MW During Jan19	55:05:00

3	220 KV B. Kotkur - Wanaparthy Line	Andhra Pradesh	Telangana	112.578	52.354	60.224	73.5MW During July19	92.6MW During April 19	142:42:00
4	220KV Srisailam-Dindi-I Feeder.	Andhra Pradesh	Telangana	182.066	47.7	134.366	135MW During Sep19	114.63MW During Sep19	2452:36:00
5	220KV Srisailam-Dindi-II Feeder.	Andhra Pradesh	Telangana	181.52	152.56	28.96	127.26MW During Aug19	119.94MW During April19	49:56:00
6	220KV Srisailam - Nagarjuna sagar Feeder	Andhra Pradesh	Telangana	38.48	232.63	-194.15	145.45MW During Dec19	116.54MW During Oct19	20:58:00
7	220 KV Nunna- KTPS	Andhra Pradesh	Telangana	5480435.68	374.00	5480061.677	**	198MW During May19	120:59:00
8	# 220 KV Chillakallu-Suryapet	Andhra Pradesh	Telangana	133.68	84.63	49.05	112MW During Jan20	177MW During Apr19	216:03:00
9	# 220 KV Chillakallu-Narketpalli(Pulichintala)	Andhra Pradesh	Telangana	356.36	1.64	354.72	104MW During Feb19	98MW During Oct19	105:32:00
10	220KV TALLAPALLI - NSR-I FEEDER	Andhra Pradesh	Telangana	551.82	374.56	177.26	291MW During Nov19	**	198:20:00
11	220KV TALLAPALLI - NSR-II FEEDER	Andhra Pradesh	Telangana	557.22	372.08	185.14	115.7MW During Oct19	**	46:00:00
12	220KV TALLAPALLI - NSR-III FEEDER	Andhra Pradesh	Telangana	321.23	191.74	129.49	147MW During	**	23:36:00
13	220KV Tallapalli - Chal	Andhra Pradesh	Telangana	450.56	0.46	450.10	176MW During Aug19	**	74:20:00
14	220KV Sullurpeta-Gummidipudi	Andhra Pradesh (APTRANSCO)	Tamila Nadu	160.28	34.77	125.51	191MW During Apr19	91MW During Feb19	2637:13:00
15	220KV Lower Sileru-KTPS-I	Andhra Pradesh	Telangana	198.62	0.45	198.17	163MW During Dec19	**	398:02:00
16	220KV Lower Sileru-KTPS-II	Andhra Pradesh	Telangana	322.68	3.32	319.36	181.15MW During Dec19	**	260:37:00
17	220KV Nunna-PGCIL-1 Feeder	Andhra Pradesh	Telangana	904.17	0.00	904.17	95.59MW During May19	0.00	5:47:00
18	220KV Nunna-PGCIL-2 Feeder	Andhra Pradesh	Telangana	922.49	0.00	922.49	151.34MW During May19	0.00	25:29:00
19	220KV Nunna-PGCIL-3 Feeder	Andhra Pradesh	Telangana	1448.00	0.00	1448.00	151.34MW During May19	0.00	2:52:00

132 KV Lines									
1	132 KV Tangeda-Wadapalli	Andhra Pradesh	Telangana	67.38	208.36	-140.98	90.34MW During May19	35.69MW During Aug19	5:49:00
2	132 KV Piduguralla-Wadapalli	Andhra Pradesh	Telangana	35.912	0.004	35.908	15MW During Aug19	**	15:21:00
3	132 kv Chillakallu-Madhira	Andhra Pradesh	Telangana	14.41	0	14.41	25MW During Mar20	**	36:46:00
4	132 kv Chillakallu-Khammam	Andhra Pradesh	Telangana	0	0	0	0	0	8040:05:00
5	132 kv Chillakallu-Kusumanchi	Andhra Pradesh	Telangana	6.59	0.075	6.515	71MW During Feb20	11MW During Aug19	8504:01:00
6	132 kv Chillakallu-Seethapuram	Andhra Pradesh	Telangana	32.551	18.011	14.54	44MW During Aug19	54MW During Sep19	14:10:00
7	132 kv Chillakallu-Ramapuram	Andhra Pradesh	Telangana	86.717	1.992	84.725	86MW During Sep19	29MW During Aug19	16:11:00
8	132 kv Chillakallu-Bonakallu Railway-I	Andhra Pradesh	Telangana	24.86	0	24.86	15MW During July19	**	36:23:00
9	132 kv Chillakallu-Bonakallu Railway-II	Andhra Pradesh	Telangana	28.35	0	28.35	14MW During May19	**	21:59:00
10	132 kv Chillakallu-Kodad	Andhra Pradesh	Telangana	237.35	5.917	231.433	97MW During Feb20	30MW During May19	57:54:00
11	132KV AP Carbides-Alampur -I	Andhra Pradesh	Telangana	22.448	31.815	-9.367	38.3MW During Mar20	10.9MW During May19	136:31:00
12	132KV AP Carbides-Alampur -II	Andhra Pradesh	Telangana	23.005	32.23	-9.225	44MW During Aug19	49MW During May19	172:20:00
13	132 KV K.Kota - Aswarao Peta-I	Andhra Pradesh	Telangana	10.3	136.78	-126.48	30MW During Feb20	60MW During May19	9:07:00
14	132 KV K.Kota - Aswarao Peta-II	Andhra Pradesh	Telangana	11.2	117.09	-105.89	30MW During Feb20	60MW During May19	10:56:00
15	132KV Pratap Nagar-Yanam	Andhra Pradesh	Puducherry	57.99	0	57.99	11.9MW During July19	**	19:49:00

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

7.8 (A) APTRANSCO PURCHASES OF ENERGY

Year	Purchases from APGENCO			Purchases , imports and wheeled						Gross Total
	Hydel	Thermal	Total	Central Generating Stations Sector (NTPC,NLC MAP,etc)	APGPCL	Private Projects (IPPs)	NCEs	others	Total	
1	2	3	4	5	6	7	8	9	10	15
2015-16	2320.39	12201.93	14522.32	11925.08	90.29	4666.19	2650.66	15659.47	34991.68	49514.00
2016-17	2180.52	14378.91	16559.43	11639.60	84.62	7998.42	4986.00	11369.18	36077.82	52637.25
2017-18	2655.68	18477.70	21133.38	10139.04	147.01	6293.12	12420.57	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	14698.30	980.63	4676.80	11857.57	4709.82	36923.12	62922.69

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

Year Ending March	Total Energy Handled*	Energy sold to Discoms (#)	Transmission Losses	Sales within the State$	Energy assessed n theft&pilferag &back billing	Exports	Total Sales (5+6)	System Loss (2-7)	% System Loss** (8/2)	3rd party Energy Handled
1	2	3	4	5	6		7	8	9	10
1999-2K	43747.04	--	--	27568.41	35.98	-	27604.39	16142.65	36.90	2725
2000-01	44716.83	40720	8.94	29457.97	310.21	29.48	29559.62	15157.21	33.90	2528
2001-02	44890.04	40419.24	9.96	31601.03	-	-	31601.03	13289.01	29.60	2785.65
2002-03	45787.68	41642.51	9.05	33823.68	-	-	33823.68	11964.00	26.13	2010.44
2003-04	47440.71	43049.11	6.27	36459.08	-	-	36459.08	10981.63	23.15	2287.05
Year Ending March	**Power Purchase (incl. UI Energy)**	**Discom Input (Transco Sales)**	**Transmission Losses (%)**	**DISCOM sales**	**UI Energy**	**Interstate sales**	**Details of Sale of power(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
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	62924.18	61090.68	2.91	55865.16	2110.62	16.35	56581.74	8469.41	13.02	

7.8 © ENRGY BALANCE SHEET 2019-20

S.No	Particulars	2019-20
1	Input from State Generators including wheeling	42843.23
2	CGS (Ex-Bus)	20080.95
3	System Input at 132 kv & above including Wheeled Energy (1+2)	62924.18
4	Energy delivered by Transco to Discoms Including Wheeled Energy	61090.68
5	Transmission Losses (Incl.Wheeling) (3-4) inclusive of PGCIL losses	1833.50
6	% Transmission Losses (Incl wheeling) on respective Inputs{(5/3*100)} **inclusive of PGCIL losses**	**2.91**
6a	% Transmission Losses (Incl wheeling) on respective Inputs{(5-11)/(3-11)*100)} **exclusive of PGCIL losses**	**1.95**
7	Net wheeled Energy at 132 KV & above by Third Party Developers	545.620
8	Energy delivered by Transco to Discoms Excluding Wheeled Energy at 132 KV & above (4 - 7)	60545.06
9	Drawls at 33 KV & 11 KV from TP developers	2110.62
10	Drawls at 33 KV & 11 KV from Genco	16.35
11	External losses (PGCIL losses)	619.11
12	Input to Discoms (Incl Wheeling Energy)(8+9+10)	62672.03
13	Discoms sales of Energy (Excl Wheeling)	55865.16
14	Net Wheeled Energy at 33 KV & Below by Third Party Developers	170.96
15	Discoms sales of Energy (Incl. Wheeling) (13 + 14)	56036.12
16	Distribution Losses (Incl. wheeling) (12-15)	6635.91
17	% Distribution losses (Incl.Wheeling) on respective inputs { (16/12)*100 }	**10.59**
18	T & D Input (Ex-Bus Availability) (3+9+10)	65051.15
19	T & D Sales (Incl.Wheeling) by Discoms (15+7)	56581.74
20	T & D Losses (Incl. Wheeling) (18-19)	8469.41
21	%T & D losses (Incl.wheeling) &(Incl SR Losses) (20/18*100)	**13.02**
22	T & D Losses (Incl. Wheeling) & (Excl. SR Losses) (20-11)	7850.30
23	T & D Input (Incl. Wheeling) (Excl. SR Losses) (18-11)	64432.04
24	%T & D losses (Incl.wheeling) (Excluding SR Losses)((22/23)*100)	12.42

7.9 CATEGORY-WISE SERVICES AS ON 31.3.2020
(EXCLUDING R.E.S.CO-OPERATIVES)

Sl No.	DISTRICT	L.T.CATEGORY						H.T.	TOTAL
		I	II	III	IV	V	Total LT		
		Dom	Cmml	Indl	Instnl	Agl			
1	SRIKAKULAM	731328	64174	2728	16370	26192	840792	413	841205
2	VIZIANAGARAM	582801	54243	2377	10972	36551	686944	344	687288
3	VISAKHAPATNAM	1239247	137847	3519	21560	30891	1433064	1489	1434553
4	EAST GODAVARI	1504853	164577	6146	30514	48969	1755059	1079	1756138
5	WEST GODAVARI	1157251	131885	4293	24740	102530	1420699	825	1421524
	TOTAL APEPDCL	5215480	552726	19063	104156	245133	6136558	4150	6140708
6	KRISHNA	1477242	185446	11854	45869	116039	1836450	1972	1838422
7	GUNTUR	1663480	181100	11783	37061	108163	2001587	1947	2003534
8	PRAKASAM	1057581	96793	8134	26773	188813	1378094	1235	1379329
9	S.P.S NELLORE	1076800	104882	7216	62422	180864	1432184	953	1433137
10	Y.S.R. KADAPA	867678	83366	6313	29624	168309	1155290	703	1155993
11	KURNOOL	1117632	116183	9569	24187	187172	1454743	848	1455591
12	ANANTHAPURAM	1172706	112678	8979	34455	277381	1606199	965	1607164
13	CHITTOOR	1256279	130912	11993	54194	288158	1741536	1548	1743084
	TOTAL APSPDCL	9689398	1011360	75841	314585	1514899	12606083	10171	12616254
TOTAL FOR A.P.		14904878	1564086	94904	418741	1760032	18742641	14321	18756962

7.9(a) CATEGORY WISE SERVICES OF RESCOs AS ON 31-03-2020

Sl. No.	Name of RESCO and District	I	II	III	IV	V	Total L.T	Total H.T	Grand Total
		Dom	Comml	Ind	Instl	Agl			
1	Anakapally (Vizag)	142299	11625	1073	268	11935	167200	0	167200
2	Cheepurupally (Vizianagaram)	51696	3803	428	1114	7319	64360	0	64360
3	Kuppam (Chittoor)	79408	6164	498	2957	33090	122117	0	122117
Total		**273403**	**21592**	**1999**	**4339**	**52344**	**353677**	**0**	**353677**

7.9B CATEGORY-WISE SERVICES AS ON 31.3.2020
(Including RESCOs)

S.No.	DISTRICT	L.T.CATEGORY						H.T.	TOTAL
		I	II	III	IV	V	Total LT		
		Dom	Comml	Ind	Instl	Agl			
1	SRIKAKULAM	731328	64174	2728	16370	26192	840792	413	841205
2	VIZIANAGARAM	634497	58046	2805	12086	43870	751304	344	751648
3	VISAKHAPATNAM	1381546	149472	4592	21828	42826	1600264	1489	1601753
4	EAST GODAVARI	1504853	164577	6146	30514	48969	1755059	1079	1756138
5	WEST GODAVARI	1157251	131885	4293	24740	102530	1420699	825	1421524
	TOTAL APEPDCL	**5409475**	**568154**	**20564**	**105538**	**264387**	**6368118**	**4150**	**6372268**
6	KRISHNA	1477242	185446	11854	45869	116039	1836450	1972	1838422
7	GUNTUR	1663480	181100	11783	37061	108163	2001587	1947	2003534
8	PRAKASAM	1057581	96793	8134	26773	188813	1378094	1235	1379329
9	NELLORE	1076800	104882	7216	62422	180864	1432184	953	1433137
10	Y.S.R. KADAPA	867678	83366	6313	29624	168309	1155290	703	1155993
11	KURNOOL	1117632	116183	9569	24187	187172	1454743	848	1455591
12	ANANTHAPURAM	1172706	112678	8979	34455	277381	1606199	965	1607164
13	CHITTOOR	1335687	137076	12491	57151	321248	1863653	1548	1865201
	TOTAL APSPDCL	**9768806**	**1017524**	**76339**	**317542**	**1547989**	**12728200**	**10171**	**12738371**
	TOTAL FOR A.P.	**15178281**	**1585678**	**96903**	**423080**	**1812376**	**19096318**	**14321**	**19110639**

7.10 INTER STATE TRANSMISSION LINES

Sl.No.	Name of the Inter State Line	SC/DC	Voltage in kV	Length in K.M.
1	400KV VTPS - Malkaram line	DC	400	143.26
2	400KV VTPS - Suryapet line			
3	400 KV Srisailam-Sathenapalli Ckt I (DC) feeder	DC	400	330.8
4	400 KV Srisailam-Sathenapalli Ckt II (DC) feeder			
5	400 KV Srisailam - Kurnool (SC) feeder	SC	400	102
6	400KV Kalpaka -Khammam (400KV B'Padu - Kalpaka)	SC	400	239
7	400 KV KALPAKA-ASUPAKA	SC	400	239
8	400KV Uravakonda-Veltoor I	DC	400	246.71
9	400KV Uravakonda-Veltoor II			
10	220KV Nunna - KTPS SC Line	SC	220	61.15
11	220KV Tallapalli - Nagarjunasagar - I feeder	DC	220	20
12	220KV Tallapalli - Nagarjunasagar - II feeder			
13	220KV Tallapalli - Nagarjunasagar -III feeder	SC	220	11
14	220KV Tallapalli - Chalakurthy feeder	SC	220	11
15	220KV Chillakallu - Narketpalli line (Pulichinthala)	SC	220	12
16	220KV Chillakallu - Suryapet line	SC	220	12
17	220 KV Brahmnakotkur-Wanaparthy line (LIS)	DC	220	18.85
18	220KV Srisailam-Dindi–I (DC) feeder	DC	220	2.4
19	220KV Srisailam-Dindi–II (DC) feeder(Domalapenta)			
20	220 KV N'Sagar Receving Station – Srisailam SC Line	SC	220	86
21	220KV LSR - KTS-I	DC	220	60.17
22	220KV LSR - KTS-II	DC	220	88.2
23	220KV Chittoor - Thiruvalam(Tamilnadu)	SC	220	28.71
24	220KV Sullurpet -Gummadipoondi (Tamilnadu) (Originally Nellore-Ennore)	SC	220	30.74

25	220KV Ragulapadu-Alepura (Karnataka)	SC	220	71.31
26	132KV Nagarjunasagar - RCPH feeder	SC	132	6
27	132KV Piduguralla - Wadapalli	DC	132	43.22
28	132KV Tangeda - Wadapalli DC/SC line	SC	132	27.38
29	132KV Chillakallu - Kodada SC line	SC	132	11.72
30	132KV Chillakallu - Vepulasingaram SC line (Ramapuram)	SC	132	15
31	132KV Chillakallu - Sitapuram SC line	SC	132	15
32	132KV Chillakallu - Khammam SC line	SC	132	11
33	132KV Chillakallu - Kusumanchi SC line	SC	132	11
34	132KV Chillakallu - Madhira SC line	SC	132	21
35	132KV Sitapuram - KCP line	SC	132	2.03
36	132KV Chillakallu - Bonakallu Railway Traction I (DC) feeder	DC	132	37
37	132KV Chillakallu - Bonakallu Railway Traction II (DC) feeder			
38	132 KV A.P.Carbides - Alampur I	DC	132	14.1
39	132 KV A.P.Carbides - Alampur II	DC	132	14.1
40	132KV K.Kota - Aswaraopet I	DC	132	62.10
41	132KV K.Kota - Aswaraopet II	DC	132	62.10
42	132 KV Pratapnagar(Kakinada)-Yanam(pondichery)	SC	132	30.3

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

7.11 GROWTH OF CONSUMERS AND CONNECTED LOAD

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

7.11 GROWTH OF CONSUMERS AND CONNECTED LOAD

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

** Reconciled data.

7.11 GROWTH OF CONSUMERS AND CONNECTED LOAD

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

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

** Reconciled data.

7.11 GROWTH OF CONSUMERS AND CONNECTED LOAD

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

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

✧ Including RESCO services

** I 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		2019-20	
		Number of Consumers	Connected Load (MW)	Number of Consumers	Connected Load	Number of Consumers	Connected Load	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	13	14
I.	LOW TENSION												
	1.Domestic	12648102	10655	13176880	9686.07	13885966	10445.98	14338841	13688.93	14799199	14375.84	14904878	14451.38
	2.Non-Domestic	1104366	2440	1173535	2230.98	1254523	2426.16	1349834	3013.99	1465736	3286.02	1564086	3547.07
	3.Industrial	134100	2886	137934	2092.597	144124	2312.779	155521	5621.88	163809	5921.72	94904	2524.33
	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	1812376	11187.26
	6.Public Lighting	91440	583	95274	403.98	100209	450.634	104490	842.05	107895	870.11	418741	2238.37
	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	23444.43	17811086	32258.16	18425847	34046.26	18794985	33948.41
II.	HIGH TENSION												
	Total H.T	7835	9466	8348	5176.67	8958	5860.589	9630	8523.19	10513	9363.78	14321	7395.44
Grand Total (I+II)		15618869	34107	16299777	26888.363	17182480	29305.02	17820716	40781.35	18436360	43410.04	18809306	41343.85

* SPDCL DATA REVISED

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	15Residuary Al
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																
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	DTRs Transformer Capacity (MVA)	14490	15650	16413.04	17763.3	19976.71	22425.65	24483.84	26025	28155.518	30574	32571	33617	36981	40042	42401.657	21798

(*) Reconciled figure

NA :- Not Accounted for

7.12 LINES AND SUB-STATIONS (YEAR - WISE)

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

Sl. No	VOLTAGE	At the end of March					
		2015 Residuary AP	**2016***	**2017**	**2018**	**2019**	**2020**
1	400 kV	2400	2892	3607	4561.83	5309	5310.47
2	220 kV	8395	9954	10549	11032.84	11432.01	11686.95
3	132 kV	8600	9784	10091	10720.23	11237.69	11435.48
4	33kV	24084	24639	24803	25827.26	26261.76	27592.00
5	11kV	184499	192081	217701	226012.73	235630	247634.00
6	L.T Lines in kV	288769	296983	320569	327044.16	343676	351922.00
	Total CKM	516747	536333	587320	605199.05	633546	655580.90

II - SUB - STATIONS (Nos)

Sl. No	Voltage (kV)	At the end of March					
		2015	**2016**	2017	**2018**	**2019**	**2020**
1	400 kV	6	6	10	11	15	15
2	220 kV	71	75	84	87	93	101
3	132 kV	169	180	191	206	212	219
5	33 kV	2633	2728	2766	2898	2949	3123
	Total Nos	2879	2989	3051	3202	3269	3458
6	Distribution Transformers (Nos)	621171	635055	814078	875547	949799	1020639
7	DTRs Transformer Capacity (MVA)	21798	22976	28227	29672	31862	35856

* Reconcilled

7.13 DISTRIBUTION LINES AND DISTRIBUTION TRANSFORMERS EXISTING AS ON 31-03-2020					
S.No.	**District**	**Lines in Km**			**(Nos)**
		33 kV	**11 kV**	**L.T**	**DTRs**
APEPDCL					
1	Srikakulam	989.7	7219.86	14669.67	19687
2	Vizianagaram	739.92	5724.82	10431.46	18626
3	Visakhapatnam	1312.62	7907.55	18612.58	35678
4	East Godavari	1586.34	11449.69	18375.93	62368
5	West Godavari	2481.93	18226.47	25655.39	96606
Sub-total		**7111**	**50528**	**87745**	**232965**
APSPDCL					
6	Krishna	2298.222	16535.16817	40468.0775	75976
7	Guntur	2178.44	18605.747	24187.98108	68569
8	Prakasam	3019.754	42600.608	54762.281	84877
9	Nellore	2289.334	15956.778	25550.256	83139
10	Chittoor	3050.874	28435.157	32932.72	133363
11	Kadapa	1991.37	23991.4	22901.509	117946
12	Anantapur	2828.18	30321.026	35285.567	125775
13	Kurnool	2526.82	20915.985	28086.19	81686
Sub-total		**20183**	**197362**	**264175**	**771331**
Total for A.P(DISCOMs)		**27294**	**247890**	**351920**	**1004296**
1	Chipurupalli				1230
2	Anakapalle				2663
3	Kuppam				12450
RESCOs Total					16343
Grand Total					**1020639**

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 holdiay for SSI units from 21-04-2010.Power holidays to other industries are reduced to one day from two days w.e.f 27-04-2010 for other industries .Power holidays to all industries except continuous industries were lifted from 08-05-2010.Power holiday to continuous industries were also lifted from 20-05-2010.
2011-12	• One day power holiday was announced to industries from 01-04-2011 and lifted from 16-04-2011. • Again one day Power holiday was announced to Industries from 25-09-2011 with peak hour restrictions (from 18:30 to 22:30 hrs) • From 02-10-2011 Power holiday enhanced to 2days a week with peak hour restriction. • From 05-11-2011 Industry is categorized as continuous process industry and non continuous process process industries with evening peak hour restrictions.For continuous process industry :70% during day time and 50% during peak. • From 08-12-2011 restrictions for continuous process industry reduced to 60% for day time and 40% during peak. (No change for Non-Continuous process industry).• Power holidays lifted to all industries from 13-01-2012 • From 21-01-2012 70% supply to continuous process industry during day time i.e from 6:00 AM to 6:00 PM and 100% supply for balance period. No LR for non-continuous process industries.• During the period 11-02-2012 to 29-02-2012 5 days power holidays to continuous process Industries. • One day power holiday introduced to non-continuous process industries from 15-02-2012 and enhanced to 2days/week from 18-02-012 and 3 days/week (or 40% cut for the total March month) from 08-03-2012. Peak hour restrictions also imposed from 08-03-2012. • 12 days power holiday (or 40% cut for the total March Month) for continuous process industries for the month of March'12 with peak load restrictions.
2012-13	Industries : As per Hon'ble APERC orders on Restriction and Control Measures dated 7.9.2012/ 14.9.12 restrictions on contract demand and energy consumption on various industries from 12th September 2012 to March 2013
2013-14	a)Industries : As per Hon'ble APERC orders on Restriction and Control Measures dated 17.04.2013 restrictions on contract demand and energy consumption on various industries is being implemented from meter reading date April 2013 to meter reading data of June 2013 b)As per Hon'ble APERC amendment orders on Restriction and Control Measures dated 15-6-2013 the supply enhanced from 66% to 80% and will be in force till the meter reading date of September 2013. c) As per Hon'ble APERC amendment orders on Restriction and Control Measures dated 2-7-2013, the supply enhanced from 80% to 100% during the peak hours and 40% to 50% and will be in force till the meter reading date of July 2013 to meter reading date of September 2013 d) As per Hon'ble APERC amendment orders on Restriction and Control Measures dated 31-7-2013 the restictions and cotrol measures completely lifed from 1-8-2013. e) There was no power restrictions during 1-8-2013 to 02-3-2014. f) From 3-3-2014 onwards one day power holiday in a week was imposed.

	Details	From 03.03.2014	From 09.05.2014	From 14.05.2014
2014-15 Combined AP	Hyderabad Tirupati,Vizag and warangal	3 Hours in two spells	3 Hours in two spells	3 Hours in two spells
	Corporationd and District Headquarters	3 Hours in two spells	3 Hours in two spells	3 Hours in two spells
	Towns and Muniipalities	4 Hours in two spells	4 Hours in two spells	4 Hours in two spells
	Mandal HQ	6 Hours in two spells	6 Hours in two spells	6 Hours in two spells
	Rurals	Lighting supply during 06.00PM to 06.00AM and day supply along with agriculture supply.	Lighting supply during 06.00PM to 06.00AM and day supply along with agriculture supply.	Lighting supply during 06.00PM to 06.00AM and day supply along with agriculture supply.
	Industries	One day Power Holiday in a week.	One day Power Holiday in a week.	Nil.

2014-15 Residual AP	From 14/05/2014 Tirupati and Vizag : 3 Hours in two spells Corporations and District Head quarters:3Hours in two spells Towns & Muncipalities: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	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	i) Total Load Shedding in the State during the year 2019-20: (Includes Industrial load relief of Nil MU)	36.11
	ii) R&C measures to Domestic Sector and Power Holidays to Industries:	Nil
	iii) Power supply to Agricultural Sector:	
	a) Three phase supply: b) Single phase supply:	9 hours supply- day time in two spells. No single phase supply for agricultural sector

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

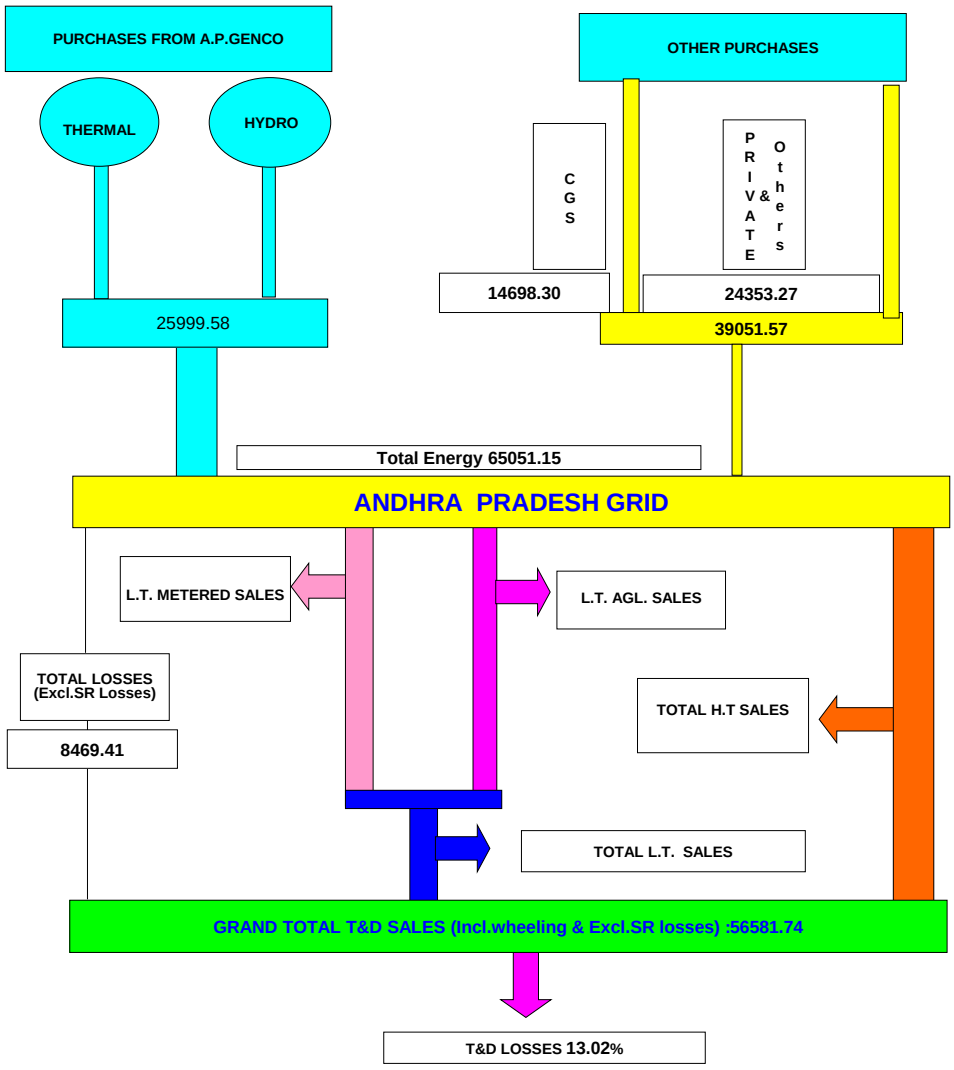
DISTRICT WISE STATEMENT OF CASES REPORTED AND COMPOUNDED DURING 2019-20

S.No.	District/ APTS	No.of cases reported	Assessment amount Collected (In Lakhs)	Cases compounded	Compounding amount collected (in Lakhs)	Persons arrested
	APEPDCL					
1	Srikakulam	1372	9.85	1332	9.34	0
2	Vizianagaram	1093	20.050	1114	9.14	0
3	Visakhapatnam	1290	21.13	1318	15.07	0
4	East Godavari	1780	142.15	1814	20.30	0
5	West Godavari	1866	104.42	1812	23.75	0
	Total	**7401**	**297.60**	**7390**	**77.6**	**0**
	APSPDCL					
1	Krishna	1480	75.06	1422	20.37	0
2	Guntur	4240	147.35	4252	44.34	0
3	Prakasam	4260	157.87	4358	56.39	0
4	Nellore	4066	181.66	3906	46.59	0
5	Chittoor	2352	31.93	3889	27.86	0
6	Kadapa	8160	185.21	8316	78.01	0
7	Ananatapur	5393	100.96	5390	51.46	0
8	Kurnool	8254	146.03	9080	59.76	0
	Total	**38205**	**1026.07**	**40613**	**384.78**	**0**
	Grand Total	**45606**	**1323.67**	**48003**	**462.38**	**0**

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	1323.67	462.38

A.P.TRANSCO ENERGY BALANCE SHEET 2019-20
(ALL FIGURES IN MU) (Excluding SR Losses)



8. RURAL ELECTRIFICATION

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

Sl. No.	Particulars	Total Existing in the State as on 31-03-2020 (Nos.)	Total Electrified as on 31-03-2020 (Nos.)	Electrified during 2019-20 (Nos.)	Total Electrified as on 31-03-2020		Balance to be electrified as on 31.03.2021	Programmed to be electrified during 2020-21
					(Nos.)	(%)		
1	Towns (as per 2011 census)	195	195	All electrified	195	100.00	All electrified	All electrified
2	Villages (as per 2011 census)	16158	16158	All electrified	16158	100.00	All electrified	All electrified
3	General Hamlets	24001	23475	0	23475	97.81	526	526
4	Dalitwadas	37402	36312	0	36312	97.09	1090	1090
5	Weaker Section Colonies	22378	21725	0	21725	97.08	653	653
6	Tribal Hamlets/Habitations	6084	5812	0	5812	95.53	272	272
7	SPV Villages	3725	3725	0	3725	100.00	0	0

Sl. No.	Particulars	Total Energized in the State as on 31-03-2019 (Nos.)	Energized during 2019-20 (Nos.)	Total Energized in the State as on 31-03-2020 (Nos.)	Programmed to be Energized during 2020-21
8	Total Agricultural services released in the state as on 31.03.2020, released during 2019-20 and programmed to be released during 2020-21.	1807100	65576	1812376**	

** Reconciled value

8.2- DISTRICT- WISE GENERAL HAMLETS,TRIBAL HAMLETS/HABITATIONS, DALITWADAS AND WEAKER SECTION COLONIES EXISTING, ELECTRIFIED AND PERCENTAGE OF ELECTRIFIED AS ON 31-03-2020

S.No.	DISTRICT/DISCOM	GENERAL HAMLETS			TRIBAL HAMLETS/ HABITATIONS			DALIT WADAS			WEAKER SECTION COLONIES			GRAND TOTAL		
		Existing	Electrified	%	Existing	Electrified	%	Existing	Electrified	%	Existing	Electrified	%	Existing	Electrified	%
1	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*9*	*10*	*11*	*12*	*13*	*14*	*15*	*16*	*17*
	EPDCL															
1	SRIKAKULAM	1305	1305	100.00	914	903	98.80	1922	1922	100.00	1783	1774	99.50	5924	5904	99.66
2	VIZIANAGARAM	779	779	100.00	1180	1180	100.00	1703	1703	100.00	887	863	97.29	4549	4525	99.47
3	VISAKHAPATNAM	1293	1287	99.54	2283	2283	100.00	1265	1265	100.00	816	815	99.88	5657	5650	99.88
4	EAST GODAVARI	939	938	99.89	497	497	100.00	3155	3155	100.00	1867	1859	99.57	6458	6449	99.86
5	WEST GODAVARI	1966	1960	99.69	231	229	99.13	2949	2940	99.69	1448	1439	99.38	6594	6568	99.61
	TOTAL for EPDCL	**6282**	**6269**	**99.79**	**5105**	**5092**	**99.75**	**10994**	**10985**	**99.92**	**6801**	**6750**	**99.25**	**29182**	**29096**	**99.71**
	SPDCL															
6	KRISHNA	959	959	100.00	0	0	0.00	2729	2729	100.00	2488	2488	100.00	6176	6176	100.00
7	GUNTUR	1264	1255	99.29	226	192	84.96	2667	2544	95.39	902	840	93.13	5059	4831	95.49
8	PRAKASAM	1395	1241	88.96	109	82	75.23	3782	3490	92.28	1439	1369	95.14	6725	6182	91.93
9	SPS NELLORE	1398	1346	96.28	64	0	0.00	4738	4639	97.91	1299	1237	95.23	7499	7222	96.31
10	CHITTOOR	7711	7702	99.88	171	136	79.53	4512	4366	96.76	3140	3115	99.20	15534	15319	98.62
11	KADAPA	2158	2158	100.00	13	5	38.46	2312	2270	98.18	2009	1954	97.26	6492	6387	98.38
12	ANANTAPUR	1792	1766	98.55	265	217	81.89	3106	3036	97.75	1912	1729	90.43	7075	6748	95.38
13	KURNOOL	1042	779	74.76	131	88	67.18	2562	2253	87.94	2388	2243	93.93	6123	5363	87.59
	TOTAL for SPDCL	**17719**	**17206**	97.10	**979**	**720**	73.54	**26408**	**25327**	95.91	**15577**	**14975**	96.14	**60683**	**58228**	95.95
	STATE TOTAL	**24001**	**23475**	97.81	**6084**	**5812**	95.53	**37402**	**36312**	97.09	**22378**	**21725**	97.08	**89865**	**87324**	97.17

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

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

8.4-AGRICULTURAL SERVICES RELEASED IN ANDHRA PRADESH AS ON 31-03-2020

S. No.	DISCOM/DISTRICT	Total Agl. services released as on 31-03-2019	Agl. services released during 2019-20	Total Agl. services released as on 31-03-2020
EPDCL				
1	SRIKAKULAM	32986	1006	26192
2	VIZIANAGARAM	44400	1637	43870
3	VISAKHAPATNAM	44066	2226	42826
4	EAST GODAVARI	52089	1245	48969
5	WEST GODAVARI	97318	2149	102530
	TOTAL	**270859**	8263	264387
SPDCL				
6	KRISHNA	112583	4293	116039
7	GUNTUR	119096	4943	108163
8	PRAKASAM	186933	7023	188813
9	SPS NELLORE	188094	6127	180864
10	CHITTOOR	317238	3703	321248
11	KADAPA	166664	4804	168309
12	ANANTAPUR	268146	10877	277381
13	KURNOOL	177487	15543	187172
	TOTAL	**1536241**	**57313**	1547989
	STATE TOTAL	**1807100**	**65576**	**1812376****

** Reconciled value

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
1	*2*	*3*	*4*
1	1960-61	4580	17968
2	1961-62	5819	23787
3	1962-63	6809	30596
4	1963-64	5345	35941
5	1964-65	8868	44809
6	1965-66	12416	57225
7	1966-67	9519	66744
8	1967-68	24635	91379
9	1968-69	30942	122321
10	1969-70	34179	156500
11	1970-71	29238	185738
12	1971-72	26466	212204
13	1972-73	24997	237201
14	1973-74	24788	261989
15	1974-75	13083	275072
16	1975-76	8518	283590
17	1976-77	12778	296368
18	1977-78	21989	318357
19	1978-79	26945	345302
20	1979-80	42990	388292
21	1980-81	55303	443595
22	1981-82	43063	486658
23	1982-83	49115	535773
24	1983-84	43513	579286
25	1984-85	56717	636003
26	1985-86	88712	724715
27	1986-87	94808	819523
28	1987-88	117235	936758
29	1988-89	99726	1036484
30	1989-90	75085	1111569
31	1990-91	81794	1193363
32	1991-92	80609	1273972
33	1992-93	124077	1398049
34	1993-94	106926	1504975
35	1994-95	100832	1605807
36	1995-96	37186	1642993
37	1996-97	178298	1821291

38	1997-98	☆ 3398	1824689
39	1998-99	59997	1884686
40	1999-2K	48227	1932913
41	2000-01	6660	1939573
42	2001-02	267479	2207052
43	2002-03	50917	2257969
44	2003-04	51636	2309605
45	2004-05	64760	2374365
46	2005-06	66458	2440823
47	2006-07	86977	2527800
48	2007-08	71835	2599635
49	2008-09	81036	2680671
50	2009-10	88604	2769275
51	2010-11	139731	2909006
52	2011-12	152908	3061914
52	2012-13	141957	3203871
53	2013-14	140766	3344637

DATA FOR RESIDUAL ANDHRA PRADESH

54	2014-15	60828	1509495
55	2015-16	72360	1581855
56	2016-17	75403	1657258
57	2017-18	63412	1720670
58	2018-19	86430	1807100
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	65576	1812376

8.6 YEAR- WISE REC SCHEMES AS ON 31.03.2020

(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	9	583.05	--	73.41	--
	T O T A L	**7000**	**41161.16**	**789.57**	**23885.39**	**661.03**

8.7 REC SCHEMES - ACHIEVEMENTS (PHYSICAL)

Electrified as on 31-03-2020

Sl.No.	Particulars	Existing /Target (Nos.)	Achievemet (Nos.)	Programmed to be released during 2020-21
1	2	3	4	5
1	SPV.Villages	3,725	3,725	0
2	General Hamlets	24,001	23,475	526
3	Pump-sets energization during 2019-20	67903	65,576	75,687
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
		19	20	21	28	29	30	31	32	33	34	35	36	37	38	39	40
1.	DEPARTMENTAL																
	A) Fatal	33	52	64	66	71	101	178	343	171	27	18	317	22	13	7	18
	B) Non-Fatal	71	24	34	68	83	88	63	75	65	40	13	87	8	20	22	14
	Total	104	76	98	134	154	189	241	418	236	67	31	404	30	33	29	32
2.	NON-DEPARTMENTAL																
	A) Fatal	277	177	307	673	887	826	774	554	903	895	391	114	265	598	610	576
		(a-90)											(a-212)	(a-200)	(a-312)	(a-347)	(a-323)
	B) Non-Fatal	46	34	40	117	166	195	161	87	123	133	68	12	10	90	126	27
	Total	323	211	347	790	1053	1021	935	641	1026	1028	459	126	275	688	736	603
3.	GRAND TOTAL																
	A) Fatal	310	229	371	739	958	927	952	897	1074	922	409	431	287	611	617	594
	B) Non-Fatal	117	58	74	185	249	283	224	162	188	173	81	99	18	110	148	41
	Total	**427**	**287**	**445**	**924**	**1207**	**1210**	**1176**	**1059**	**1262**	**1095**	**490**	**530**	**305**	**721**	**765**	**635**

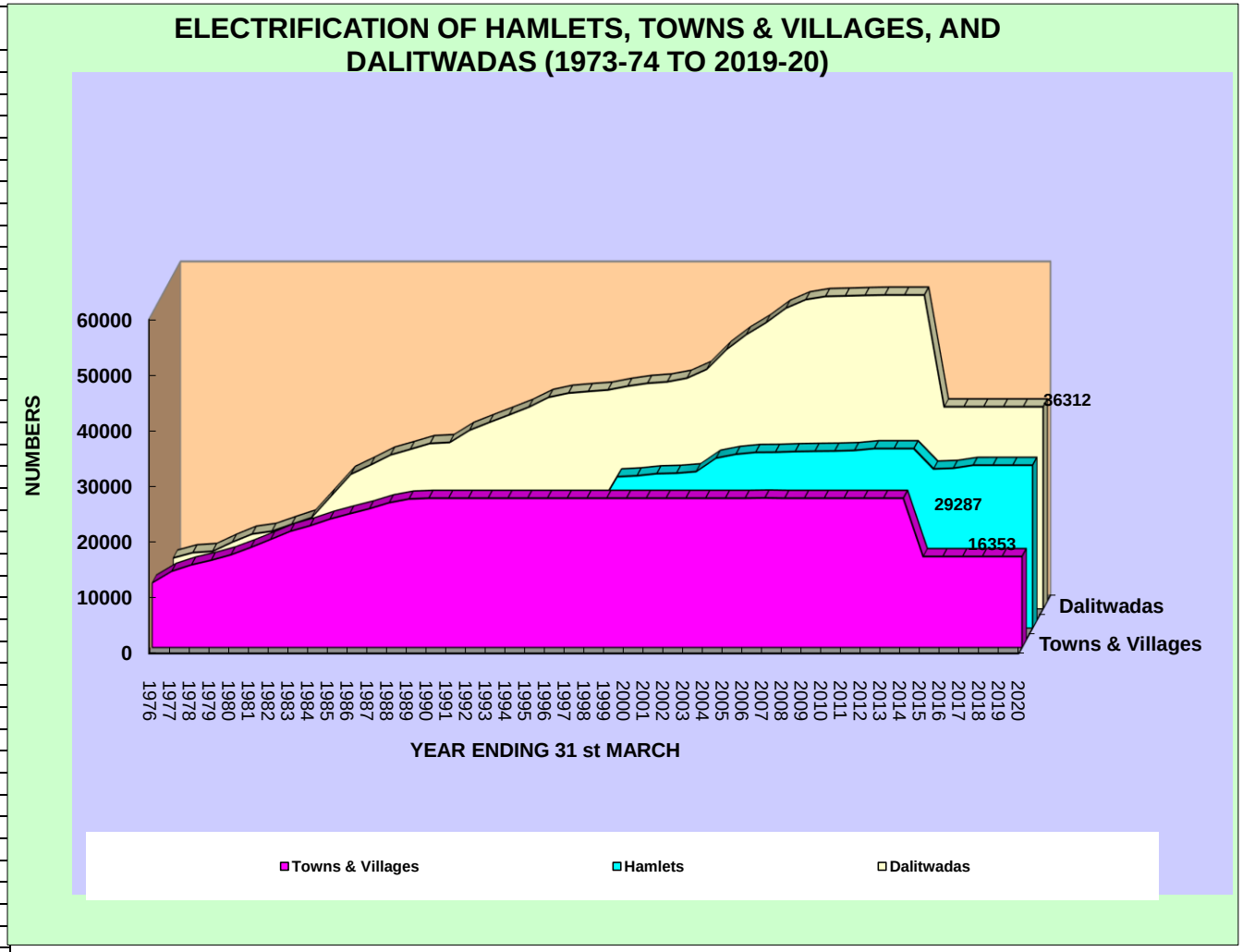
a = Animal

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

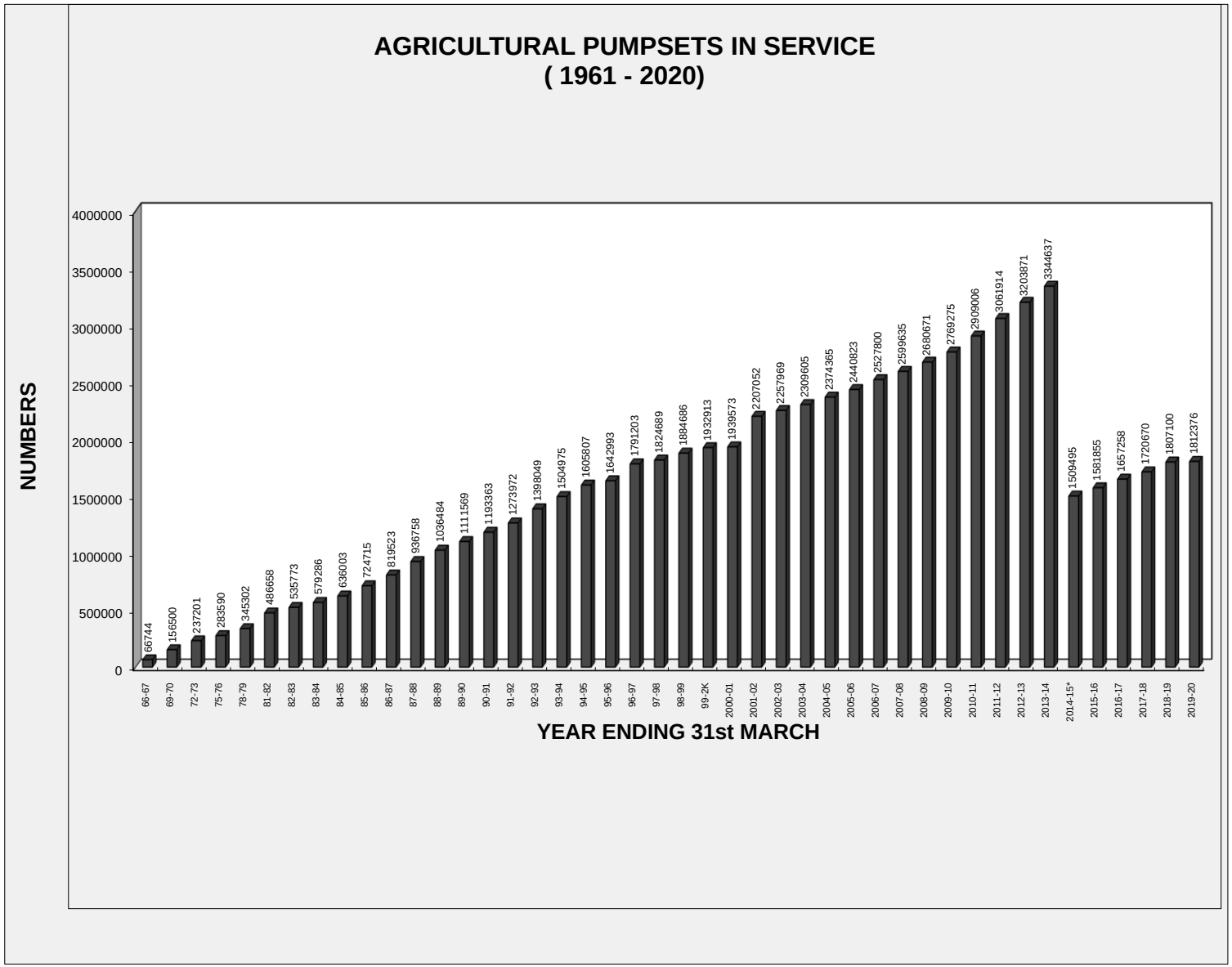
* Data reconciled from 1999-2000 onwards(CPDCL data not available for the years 1999-00 to 2001-02)

Data for residual AP(Transco &Discoms)

Year	Hamlets	Towns & Villages	Dalitwadas
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



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



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

9. FINANCE

9.1 PATTERN OF FINANCING

Rs.in Crores

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

*** TRANSCO including DISCOMs**

@ including short term borrowings.

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

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

9.1 PATTERN OF FINANCING (APTRANSCO)

Rs. Crores

SL.No.	Description	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20
A.	**CAPITAL EXPENDITURE**	968.70	2148.45	2300.44	1412.15	1966.89	1387.65
A1.	**DEBT REPAYMENT**						
1.	Government (From 2004-05 excl. Swapping)	2.14	2.14	2.43	1.72	4.73	0
2	REC Ltd	51.87	75.28	100.31	191.7	363.04	474.13
3	PFC Ltd	84.94	39.65	48.58	47.69	39.99	44.07
4	others./Banks	80.76		235.04	60.75	323.17	79.6
	TOTAL CAPITAL OUTGOINGS	**1188.41**	**2265.52**	**2686.80**	**1714.01**	**2697.82**	**1985.45**
B	**CAPITAL RECEIPTS**						
1.	Government Loans	0.00	0.00	0	268.14	119.21	0
2.	C E A						
3.	Open Market Loan						
4.	REC	511.87	1096.04	1002.21	758.14	1305.95	917.03
5.	L.I.C						
6.	Banks & Others including Voluntary Loan Repayment	151.05	154.88	236.19	73.67	81.53	18.73
7.	I.D.B.I.						
8.	P.F.C.	35.33	185.02	214.26	64.4	203.96	37.87
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
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
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
	TOTAL	**1188.41**	**2341.57**	**2686.80**	**1714.01**	**2697.82**	**1985.45**

9.2 Abstract Balance Sheet (T+D) as on 31st March 2020

(Rs. in Crores)

Particulars	Total (T+D)	Particulars	Total (T+D)
LIABILITIES:		**ASSETS**	
Loans from Government	484.46	Fixed Assets	37786.20
Equity from Government	934.39	Accumulated Depreciation	(15453.69)
Deferred Tax Liability	112.12	Works-in-progress	5655.08
Cash Credit, OD & other short term borrowings	5656.12	Other Assets	4989.31
Other Grants	9268.99		
Consumer Contribution	5351.37	**Investments**	
Long term Capital Liabilities		Equity in Joint Ventures	466.82
APSEB Bonds & Vidyut Bonds	0.00	Others	187.91
LIC	101.62	**Current Assets**	
REC & SPA	10817.34	Stocks	706.30
PFC	5658.67	Cash and Bank Balances	9267.27
Inter Corporate Funds	0.00	Receivable against supply of power	855.67
VLC	90.38	Loans and Advances	10116.85
Banks & Others	7115.46	Sundry Receivables	10166.84
Long Term Provisions	3934.50	Deferred Tax Asset	0.00
Other Long term liabilities	2111.20		
Reserves and Reserve Fund			
Reserves	1093.38		
Reserve Funds (PF & Pen.SF)	393.35		
Security Deposit from Consumers	5086.83		
Current Liabilities	33981.76		
Surplus	(27447.38)		
Total Liabilities:	**64744.56**	**Total Assets:**	**64744.56**

9.2 Abstract Balance Sheet (T+D) as on 31st March 2020

(Rs. in Crores)

Particulars	Transco	EPDCL	SPDCL	Total (T+D)	Particulars	Transco	EPDCL	SPDCL	Total (T+D)
LIABILITIES:					**ASSETS**				
Loans from Government	387.10	87.88	9.48	484.46	Fixed Assets	13587.96	5677.48	18520.76	37786.20
Equity from Government	454.44	121.23	358.72	934.39	Accumulated Depreciation	(5025.91)	(1494.59)	(8933.19)	(15453.69)
Deferred Tax Liability	109.92	2.20	0.00	112.12	Works-in-progress	2594.60	469.71	2590.77	5655.08
Cash Credit/OD & other short term borrowings	917.26	385.30	4353.56	5656.12	Other Assets	571.12	4078.75	339.44	4989.31
Other Grants	566.58	3445.39	5257.02	9268.99	Loans to Discoms	0.00	0.00	0.00	0.00
Consumer Contribution	777.15	1722.30	2851.92	5351.37	**Investments**				
Long term Capital Liabilities					Equity in Joint ventures and Subisidiaries	33.14	146.75	286.93	466.82
APSEB Bonds & Vidyut Bonds	0.00	0.00	0.00	0.00	Others	108.19	79.72		187.91
LIC	0.00	0.00	0.00	0.00					
PTC	0.00	101.62	0.00	101.62					
REC	4040.51	1566.04	5210.79	10817.34	**Current Assets**				
PFC	1137.81	1637.94	2882.92	5658.67	Stocks	128.59	168.15	409.56	706.30
Inter Corporate Funds	0.00	0.00	0.00	0.00	Receivable against supply of power		0.00	0.00	0.00
VLC	0.00	0.00	0.00	0.00	Other current Assets	1014.18	40.09	8213.00	9267.27
NABARD Funds	90.38	0.00	0.00	90.38	Cash and Bank Balances	195.71	144.15	515.81	855.67
Banks & Others	254.72	2253.29	4607.45	7115.46	Loans and Advances	150.00	2273.89	7692.96	10116.85
Long term provisions	562.23	684.17	2688.10	3934.50	Sundry Receivables	1024.13	2369.16	6773.55	10166.84
Other long term liabilities	125.46	342.41	1643.33	2111.20					
Reserves and Reserve Fund									
Reserves	1093.88	(276.38)	275.88	1093.38	Defferred Tax Asset	0.00	0.00	0.00	0.00
Reserve Funds (PF & Pen.SF, CR)	242.69	107.24	43.42	393.35					
Security Deposit from Consumers	0.00	2003.19	3083.64	5086.83					
Current Liabilities	2202.70	7463.79	24315.27	33981.76					
Surplus	1418.88	(7694.35)	(21171.91)	(27447.38)					
Total Liabilities:	**14381.71**	**13953.26**	**36409.59**	**64744.56**	**Total Assets:**	**14381.71**	**13953.26**	**36409.59**	**64744.56**

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 (Anuual fee,Open Access)								9.73	23.64	43.71	37.29	54.08	97.56	138.23	217.83	1089.99	842.6
	5.Other income								478.29	529.63	606.61	613.02	695.52	624.95	768.41	562.46	1493.63	774.65
	6.Capital contribution								356.72	189.74	171.86	294.84	366.65	411.61	487.5	712.91	355.07	397.81
	TOTAL (A)	**8021**	**9008**	**8840**	**10089**	**10981**	**11589**	**12362**	**13947**	**16957**	**23069**	**24509**	**28189**	**34620.43**	**35847.47**	**39900.26**	**23899.00**	**24875.26**
B)	**REVENUE EXPENDITURE**																	
	1.Power Purchase	6201.87	7258.47	7497.26	7579.51	8415.87	8858.54	9122.82	10663.78	12575.8	18306.16	19415.85	21519.06	26821.14	32449.21	32939.23	19045.71	21745.39
	2.O&M Expenses	133.33	156.31	197.64	195.56	166.97	183.66	241.45	257.31	285.67	317.53	324.71	387.99	472.72	634.56	740.61	373.03	225.96
	3.Establishment, General & office expens	728.37	709.91	746.54	868.84	834.99	997.25	926.42	1132.68	1331.94	1432.44	1608.77	2699.88	2731.05	2918.02	3310.33	3493.67	3073.82
	4.State Electricity Duty.	75.35	80.45	83.98	92.98	104.01	122.18	133.38	148.63	178.54	203.88	215.33	245.68	279.33	240.47	294.53	162.9	182.6
	5.Others (RBDD)	3.72	24.61	13.73	9.07	48.13	50.15	124.94	55.46							0		
	6. Prior period Charges(Credits)	(38.82)	15.42	(204.41)	(20.98)	174.58	(4.89)	49.12	(16.21)	-58.23	11.54	-9.68	-9.3	-7.75	-0.36	0.02	(0.34)	(1.60)
	7 Expenses capitalised		0.00	0.00	0.00	0.00	0.00											
	8.Incentive to HT Consumers									261.77	253.78	160.16	55.12	0		0	0	0
	9.other debits									645.82	361.37	66.61	143.37	42.53	12226.85	-25.5	181.45	21.75
	10.Transmission and SLDC Charges																784.62	723.4
	TOTAL (B)	**7104**	**8245**	**8335**	**8725**	**9745**	**10207**	**10598**	**12242**	**15221**	**20887**	**21782**	**25042**	**30339.02**	**48468.75**	**37259.22**	**24041.04**	**25971.32**
	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)
C)	**OTHER EXPENSES**																	
	1.Depreciation	301.47	333.23	423.80	497.87	571.88	668.69	757.72	873.25	907.93	1071.3	1219.77	1385.46	1551.10	1693.77	1866.34	1125.35	1263.36
	2.Balance Surplus	**615.60**	**429.21**	**81.38**	**865.87**	**664.81**	**713.90**	**1005.68**	**832.13**	**827.74**	**1111.48**	**1507.12**	**1761.29**	**2730.31**	(14315.05)	774.7	(1267.39)	(2359.42)
	(Less Depreciation)																	
	3.Interest Charges :																	
	a)On Loans from Institutional creditors	645.67	482.26	473.47	611.01	677.47	716.71	793.48	796.35	739.05	1019.15	1426.88	1668.69	2417.47	2982.47	2270.45	1255.93	1651.48
	b)On Loans from						60.55											
	State Government	122.12	36.56	76.49	117.24	168.68	125.10	5.85	3.89	4.5	3.99	3.16	22.29	35.67	47.73	58.72	11.66	0.48
	c)Less: IDC	152.19	89.61	102.12	101.53	111.26	652.16	114.52	114.95	103.51	102.76	108.42	106.05	146.85	193.26	246.56	206.09	246.15
	TOTAL Interest charges	651.60	429.21	447.84	626.72	734.89	189.65	684.81	685.29	640.04	920.38	1321.62	1584.93	2306.29	2836.90	2082.61	1061.5	1405.81
	Contingency Reserve														2.37	2.28	2.77	2.55
	TOTAL SURPLUS/LOSSES	**0**	**0**	**(366)**	**(240)**	**(70)**	**62**	**321**		**188**	**191**	**186**	**176**	**424.02**	**(17154.32)**	**(1310.19)**	**(2331.66)**	**(3767.78)**
	MAT credit entitlement of earlier years															32.28	0.00	28.59
	Provision for Tax				18.50	5.64	4.50	29.49	14.00	18.94	22.7	35.33	36.54	74.80	103.29	68.25	37.00	28.59
	Provision for deferred tax								22.64	25.8	62.99	14.31	52.13	51.27	-164.84	-67.73	(19.12)	48.51
	NET SURPLUS/ (DEFICIT)	**0**	**0**	**(366)**	**(222)**	**(76)**	**57**	**291**	**110**	**143**	**105**	**136**	**88**	**297.95**	**(17092.77)**	**(1278.43)**	**(2349.54)**	**(3816.29)**

9.3 REVENUE RECEIPTS & EXPENDITURE (Transco & Discoms)

(Rs.in crores)

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

9.3.(A). Revenue Receipts and Expenditure (T+D) for the year 2019-20

(Rs in crores)

Particulars	TRANSCO	EPDCL	SPDCL	Total (D)	Total (T+D)
A. Revenue Receipts					
Sale of Power	0.00	10359.46	17455.02	27814.48	27814.48
Sale of Power - Interstate/UI/inter Discom	0.00	3.74	7.18	10.92	10.92
Miscellaneous	0.00	548.64	169.37	718.01	718.01
Transmission & SLDC Charges - Discoms	**0.00**	0.00	0.00	0.00	0.00
Transmission & SLDC Charges - others (incl. Annual fee, Open Access)	2020.93	0.00	0.00	0.00	2020.93
Capital Contributions	67.83	239.58	413.81	653.39	721.22
Other income	134.01	461.81	1356.18	1817.99	1952.00
Subsidy	0.00	1340.92	8359.96	9700.88	9700.88
Total Revenue:	**2222.77**	**12954.15**	**27761.52**	**40715.67**	**42938.44**
B. Revenue expenditure:					
Purchase of power	0.00	10062.23	21022.16	31084.39	31084.39
Transmission & SLDC Charges	0.00	0.00	0.00	**0.00**	0.00
O & M Expenses	286.74	160.43	454.25	614.68	901.42
Establishment (incl.Adm & Gen. Exp)	621.69	1596.11	3787.48	5383.59	6005.28
State Electricity Duty	0.00	105.46	155.44	260.90	260.90
Incentive to HT consumers	0.00	0.00		0.00	0.00
Other Debits	0.05	137.30	0.00	137.30	137.35
Prior Period Charges/ (Credits)	0.00	0.00		0.00	0.00
Total B	**908.48**	**12061.53**	**25419.33**	**37480.86**	**38389.34**
Gross operating results (A - B)	**1314.29**	**892.62**	**2342.19**	**3234.81**	**4549.10**
C. Other Expenses:					
Depreciation	681.68	447.69	1034.05	1481.74	2163.42
Balance Surplus (Less Depreciation)	**632.61**	**444.93**	**1308.14**	**1753.07**	**2385.68**
Interest & finance Charges					
On loans from Institutions & others	633.72	597.29	934.30	1531.59	2165.31
from State Govt.	0.00	0.00	474.93	474.93	474.93
Less: IDC	94.46	0.00	102.19	102.19	196.65
Total Interest & finance Charges	539.26	597.29	1307.04	1904.33	2443.59
Extraordinary items				0.00	0.00
Contingency Reserve	0.00	0.00	0.00	0.00	0.00
Total Surplus	**93.35**	**(152.36)**	**1.10**	**(151.26)**	**(57.91)**
MAT credit entitlement of earlier yeas	**7.24**	**0.00**	**0.00**	0.00	7.24
Provision for Tax/(MAT credit)	7.24	0.00	0.00	0.00	7.24
Provision for Deferred Tax/(Deferred Tax Asset)	(21.68)	0.00	0.00	0.00	(21.68)
Net Surplus / (Deficit)	**115.03**	**(152.36)**	**1.10**	**(151.26)**	**(36.23)**

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 2019-20)

Sl.No.	I t e m s	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20
		%	%	%	%	%	%
A)	**REVENUE RECEIPTS**						
1	By Sale of Power	70.78	75.22	75.91	73.02	70.35	64.78
1(a)	By interstate sale of power	2.43	2.27	0.71	1.74	2.05	0.03
2	Miscellaneous	1.42	1.61	1.83	1.8	1.14	1.67
3	Subsidy	13.08	12.81	12.3	14.27	16.38	22.59
4	Others	6.25	3.11	3.87	3.18	4.17	4.55
5	Capital Contributions	1.49	1.6	1.71	1.63	1.74	1.68
6	Transmission and SLDC Charges	4.56	3.39	3.67	4.37	4.17	4.71
	TOTAL (A)	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
2	O&M Expenses	1.42	0.79	2.50	2.02	1.87	2.10
3	Establishment, General & office Exp	13.32	10.73	8.63	9.52	10.77	13.97
4	Central Electricity/ State Electricity Duty	0.62	0.64	0.68	0.39	0.48	0.61
5	Net prior period charges	0.00	(0.01)	0.25	0.00	0.00	0.00
6	Expenses capitalised						
7	Others	0.69	0.08	0.33	0.39	0.67	0.32
8	Incentives to HT consumers	0	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
C)	**OTHER EXPENSES**						
1	Depreciation	4.29	4.41	4.91	4.89	3.70	5.03
2	Interest Charges	4.05	4.91	5.31	4.94	3.92	5.69
3	Taxes	0.00	0	0.00	0.00	0.00	(0.05)
4	Contingency Reserve	0.01	0.01	0.01	0.01	(0.01)	0.00
	TOTAL (B + C)	100.0	100.0	100.0	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				
Sl.No.	Year	Hydro	Thermal	Avg
18	1999-2K	-	-	133.36
20	2000-01	-	-	153.38
21	2001-02	-	-	156.56
22	2002-03	-	-	162.42
23	2003-04	-	-	171.00
24	2004-05	-	-	159.36
25	2005-06	-	-	141.00
26	2006-07	-	-	138.00
27	2007-08	-	-	152.00
28	2008-09	-	-	194.00
29	2009-10	-	-	231.00
30	2010-11	-	-	258.60
31	2011-12	-	-	306.78
32	2012-13	-	-	402.10
33	2013-14	-	-	316.36
34	2014-15	-	-	341.00
35	2015-16	-	-	407.00
36	2016-17	-	-	380.00
37	2017-18			411.00
38	2018-19			529.00
39	2019-20			438.00

Purchase of Power			
Year	Purchases from APGENCO	Purchases from Others	Total
1999-2K	133.36	179.50	151.18
2000-01	153.38	204.31	172.06
2001-02	156.56	213.09	179.05
2002-03	162.42	185.98	173.09
2003-04	171.00	190.12	180.81
2004-05	159.36	188.35	173.21
2005-06	141.00	206.60	173.00
2006-07	138.00	219.00	177.00
2007-08	152.00	265.00	207.00
2008-09	194.00	347.00	276.00
2009-10	231.00	297.00	271.00
2010-11	258.60	310.52	287.03
2011-12	306.78	362.28	336.93
2012-13	402.10	438.32	421.03
2013-14	316.36	471.54	400.76
2014-15	341.00	516.60	440.09
2015-16	407.00	490.04	454.00
2016-17	380.00	469.86	428.00
2017-18	411.00	468.81	440.00
2018-19	529.00	614.00	589.00
2019-20	438.00	461.00	454.00

* 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

9.6 COST OF COAL AS ON 31-03-2020				
Sl.No.	**Thermal Station**	**Source of supply**	**(Rs. / Metric Ton)**	**GRADE**
1	R.T.P.P	**SCCL**		
		Yellandu	2638.00	**G13**
		Yellandu	2527.00	**G15**
		Rudrampur	2479.00	**G13**
		Manuguru	3914.00	**G09**
		Manuguru	2438.00	**G13**
	SSCL	Ramagundam	2385.00	**G13**
		Ramagundam	4802.00	**G08**
		Tadikalapudi	2540.00	**G13**
		Rechini Road	3243.00	**G11**
		Ramakrishnapuram	3217.00	**G11**
		Rechini	3865.00	**G10**
		MCL		
	MCL	**All Rail route**	1645.00	**G13**
			1731.00	**G12**
2	Dr.NTTPS	**SCCL**		
		Yellandu	3613.00	**G13**
		Yellandu	2538.00	**G15**
		Rudrampur	3453.00	**G13**
		Manuguru	2442.00	**G16**
		Manuguru	2711.00	**G15**
		Manuguru	3371.00	**G13**
		Ramagundam,	3360.00	**G13**
		Ramagundam,	4475.00	**G11**
		Tadikalapudi	3515.00	**G13**
		MCL,		
		All rail route	1645.00	**G13**
			1731.00	**G12**

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

9.7 COST OF OILS AS ON 31-03-2020				
		Furnace Oil (Rs/Kl)	**HSD Oil (Rs/Kl)**	**LDO(Rs/Kl)**
1	(Dr.NTTPS) V.T.P.S	39760.00	69053.00	-
2	R.T.P.P	40911.00	-	43140.00

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 From	Period To	Rate Ps/Kwh		Remarks
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		
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	

9.8 RATES OF POWER PURCHASE (Provl)

S .No.	Source	Period From	Period To	Rate Ps/Kwh		Remarks
			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**		
2	**Madras Atomic Power Station (NPC)**	21.3.86	31.3.91	44.48		** Period FAC(Ps)
				+FAC		1.4.92 onwards 11.57 paise
						1.4.93 onwards 13.47 paise
						1.8.93 onwards 13.96 paise
						1.12.93 onwards 14.06 paise
						1.4.94 onwards 15.76 paise
		1.4.91	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
				+HWAC		Water Rs.4292/Kg; Heavy Water lease at 8% of Rs.4292/Kg
		1.4.01	31.3.02	135.69		(FAC on 31.3.91 : 14.23 Ps)
				+FAC		
				+HWAC		Fuel Adjustment charges(FAC)
		1.4.02	onwards	210.51		includes above charges.
				+FAC		The basic cost adopted for Uos is Rs4700/Kg,
				+HWAC		for Heavy Water Rs.5783/Kg and
		4/02		210.51		Heavy water lease at 12% of Rs.5783/Kg.
			+HWAC	2.41		(FAC as on 31.3.91 : 8.55 ps)
				212.92		
		5/02	3/03	210.51		
			+FAC	1.21		
			+HWAC	2.41		
				214.13		
		4/03		210.51		
			+FAC	1.21		
			+HWAC	4.58		
				5.79		
		5/03	2/04	210.51		
			+FAC	4.73		
			+HWAC	4.58		
				219.82		

9.8 RATES OF POWER PURCHASE

Sl.No.	Source	Period		Rate Ps/Kwh	Remarks
		From	To		
1	2	3	4	5	
2	**Madras Atomic**	3/04		203.76	
	Power Station		+FAC	4.73	
	(NPC)		+HWAC	4.58	
				213.07	
		4/04		202.51	
			+FAC	4.73	
			+HWAC	-20.95	
			Ins	1.30	
				187.59	
		5/04 to		202.51	
		8/04	+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 &		202.51	
		11/04	+FAC	8.51	
			+HWAC	-20.95	
			Ins	1.29	
				191.36	
		12/04 to		202.51	
		3/05	+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	Average rate taken by dividing total amount by total units
		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	

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		
4	**NTPC(SR) - III**	2005-06		235.14	Cr.	
				Var.	109.92	(+) or (-) FSA (add) varies from month to month
		2006-07	FC	235.14	Cr.	
		2008-09		219.00		
				Var.	109.92	
		2009-10		221.73		
		2010-11		246.54		
		2011-12		293.16		
		2012-13		321.88		
		2013-14		362.45		
		2014-15		309.03		
	(Ramagundam St.III)	2015-16	FC	86.46	314.50	
			VC	228.04		
		2016-17	FC	96.43	318.86	
			VC	222.44		
		2017-18	**FC**	**66.32**	**311.44**	
			VC	**245.12**		
		2018-19	**FC**	**342.53**		
			VC	**141.23**		
		2019-20	**FC**	**77.40**	**334.65**	
			VC	**257.25**		
5	**NTPC(SR)**	1.3.84	31.10.88	43+FAC		Fuel Adj. Charges on coal and oil varies from month to month which is to be worked out based on basic Coal cost of Rs.258.46 per MT and basic Oil cost of Rs.2957 per Kl.
		1.11.88	31.3.91	65.03		Flat rate tariff proposed by NTPC for this period which is yet to be finalisd and referred to umpire.
		1.4.91	31.10.92	---		Tariff yet to be finalised and referred to umpire.
		1.11.92	onwards	Fixed Charges:		Two part tarff as per Govt. of India notification No.3/19
				Rs.382.32 Cr/Annum		(iii)/92-US(CT), Dt.2.11.92 (Avg. rate varies from month
				Vari.ch:		to month)
				37.66 ps/unit		
		1.4.95		Fixed Charges:		(As per GOI Notificationdt.15.12.95)
				Rs.427.04 Cr/Annum		(Avg. rate varied from month to month)
				37.66 ps/unit		
		1.11.98	30.9.99	Fixed Charges:		(As per GOI Notificationdt.30.11.98)
				Rs.463.40 Cr/Annum		(Avg. rate varied from month to month)
				37.66 ps/unit		
		1.10.99	7/03	Fixed Charges:		Fixed Charges:
				Rs.512.92 Cr/Annum		Rs.544.290 Cr/Annum
				Vari.ch:		Vari.ch:
				37.66 ps/unit		37.66 ps/unit
				+FAC		1.11.02 to onwards +FAC
	From	8/03		486.08 crs		
		8/03		Vari.ch:	82.62 ps.	
				Vari.ch:	81.62	From 4/04 onwards(Revised)
		9/04	12/04	465.31	Cr	
		1/05	6/05	466.55	Cr	
		7/05	12/05	451.96	Cr	
				Vari.ch:	82.14 ps	From 5/04 onwards
				+FAC		(Avg. rate varied from month to month)
		1/06 on wards		495.85	Cr	
				Vari.ch:	82.15	(+) or (-) FSA (add) varies from momth to month
		06 - 07'	FC	460.76	Cr	
				Vari.ch:	82.84	
		07-08'	FC	470.3	Cr	
				Vari.ch	82.84	
				FPA	23.42	
		2008-09		175.2		
		2009-10		189.73		
		2010-11		190.23		
		2011-12		209.31		
		2012-13		246.72		
		2013-14		272.06		
		2014-15		296.82		
	(Ramagundam St.I&II)	2015-16	FC	51.36	275.17	
			VC	223.81		
		2016-17	FC	77.86	300.36	
			VC	222.50		
		2017-18	FC	**70.70**	**317.06**	
			VC	**246.35**		
		2018-19	FC		935	
			VC			
		2019-20	FC	72.76	335	
			VC	260.59		

9.8 RATES OF POWER PURCHASE

Sl.No.	Source	Period		Rate Ps/Kwh		Remarks
		From	To			
Average rate billed from 1.11.92 (including FAC):						
6	**SIMHADRI**	4/96-3/97		88.08		
		4/97-3/98		108.79		
		4/98-3/99	(Provl)	119.04		
		4/99-3/2k	(Provl)	126.63		
		4/2k-3/01	(Provl)	129.05		
		4/01-3/02	(Provl)	132.55		
		4/02	3/03	130.90		
		4/03	3/04	122.92		
		4/04	3/05(provl)	143.71		
		3/05	9/05	Vari.Ch:	79.62	(Avg. rate varied from month to month)
		10/05	12/05	452	Cr PA	(Avg. rate varied from month to month)
		01/06 on wards		452.36	Cr PA	(Avg. rate varied from month to month)
		06-07'	FC	458.10	Cr	
				Var.chr	77.12	
		2007-08	FC	458.72	Cr	
				Vari.Ch:	77.12	
				FPA	27.08	
		2008-09		193.70		
		2009-10		236.90		
		2010-11		232.77		
		2011-12	Stage I	314.72		
		2011-12	Stage II	380.00		
		2012-13	Stage I	343.11		
		2012-13	Stage II	382.09		
		2013-14	Stage I	356.82		
		2013-14	Stage II	414.72		
		2014-15	Stage I	368.02		
		2014-15	Stage II	421.39		
		2015-16	Stage I	346.00		
		2015-16	Stage II	393.00		
		2016-17	Stage I	384.00		
			Stage II	437.00		
		2017-18	Stage I	449.00		
			Stage II	488.00		
		2018-19	Stage I	392.00		
			Stage II	489.00		
		2019-20	Stage I	487.00		
			Stage II	521.00		
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**		
8	**APGPCL**					

9.8 RATES OF POWER PURCHASE

Sl.No.	Source	Period		Rate Ps/Kwh	Remarks
		From	To		
	Stage-I	From 12/90 to 22.12.90		115.00	Demand Charges at Rs.55/KVA
		23.12.91	22.12.92	130.00	Demand Charges at Rs.65/KVA
		23.12.92	onwards	134.00	Demand Charges at Rs.75/KVA
		23.6.93	onwards	151.00	Demand Charges at Rs.75/KVA
		1.2.98	onwards	121.00	Demand Charges at Rs.75/KVA
		1.4.98	onwards	151.00	Demand Charges at Rs.75/KVA
		1.1.99	12/02	121.00	Demand Charges at Rs.75/KVA
		1/03	3/03	178.00	
		4/03	6/03	152.00	
		7/03	11/03	161.00	
		12/03	onwards	175.00	
		06-07'		133.00	
		07-08'		138.837	
		08-09		200.60	
		2009-10		177.06	
		2010-11		266.59	
		2011-12		580.92	
		2012-13		255.49	
		2013-14		295.16	
		2014-15		358.29	
		2015-16		374.07	
		2016-17		388.00	
		2017-18		355.00	
		2018-19		290.00	
		2019-20		443.00	

9.8 RATES OF POWER PURCHASE

Sl. No.	Source	Period From	Period To	Rate Ps/Kwh		Remarks
	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**		
		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		
					Actutal share of	
		4/04	10/04	97.00	TRANSCO	Un-utilised portion of APGPCL
		11/04	3/05	129.00		
		4/05' to 2/06'		107.00		
		3/06'		112		
		04/06 to 03/07'		114		
		07-08'		104.3		
	APGPCL(ST-I)	2/01	3/01		121	87 ps/kwh
		2/01	3/01		Demand ch. At Rs.75/KVA	
		4/01	3/01		121	87 ps/kwh
					Demand ch. At Rs.75/KVA	
		06-07'			Demand ch. At Rs.75/KVA	
		07-08'			Demand ch. At Rs.75/KVA	
		40034		200.6		
	APGPCL(ST-II)	2/01	3/01		170	86
		4/01	12/01		170	86
		1/02	3/02		156	86

9.8 RATES OF POWER PURCHASE

Sl.No.	Source	Period From	Period To	Rate Ps/Kwh		Remarks				
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						
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						
	NLC Tamilnadu Power Ltd Stage-II	2018-19		406.00						
12	**MPEB**	1.4.91	30.6.92	101.30						
		1.7.92	28.2.94	115.00						
		1.3.94	onwards							
		a)6 Hrs to 22 Hrd		175.00						
		b) 22 Hrs to 6 Hrs		110.00						
		1.9.95	onwards							
		a)6 Hrs to 22 Hrd		225.00						
		b) 22 Hrs to 6 Hrs		225.00						
		1.10.96	onwards	270.00		(prov)				
13	**MSEB**	Bilaterial 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					
		KHSTPP		477.88	Crs	Fix.Ch				
		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						
		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

9.8 RATES OF POWER PURCHASE

Sl.No.	Source	Period		Rate Ps/Kwh	Remarks				
		From	To						
1	2	3	4	5					
		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	
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**	2004-05		249.00	
		2005-06		280.43	
		2006-07		269.50	
		2007-08		256.55	(Provisional)
		2008-09		244.30	
		2009-10		239.57	
		2010-11		352.65	
		2011-12		348.60	
		2012-13		365.54	
		2013.14		331.04	
		2014-15		420.62	
		2015-16		377.98	
		2016-17		330.19	
		2017-18		327.00	
		2018-19			
		2019-20		341.00	
4	Thermal Powertech Corporation India	2015-16		592.00	
		2016-17		367.00	
		2017-18		361.00	
		2018-19		385.00	
		2019-20		392.00	
5	Vemagiri Power	2016-17		465.00	
6	GVK Extension	2016-17		465.00	
7	GMR Rajamundry Energy	2016-17		465.00	
8	Lanco Kondapalli Phase-II	2016-17		465.00	
9	Hinduja National Power Corporation Ltd	2016-17		372.00	
		2017-18		382.00	
		2018-19			
		2019-20		382.00	
10	P.T.C	2002-03		190.00	
		2003-04		206.00	
		2004-05		234.00	
		2005-06		343.33	
		2006-07		566.40	
		2007-08		533.50	
		2008-09		713.31	
		2009-10		608.31	
		2010-11		462.68	
		2011-12		352.19	
		2012-13		531.14	
		2013-14		589.54	
		2014-15		555.42	
		2015-16		479.37	
		2016-17		390.17	
		2004-05		255.00	

9.8 RATES OF POWER PURCHASE

Sl.No	Source	Period		Rate Ps/Kwh	Remarks
		From	To		
1	2	3	4	5	
11	N.V.V.N.L.	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	
		2015-16		547.00	
		2016-17		545.00	
13	M/s.Adani Enterprises Ltd	2007-08		526.36	
		2008-09		792.52	
		2009-10		450.00	
		2010-11		0.00	
		2011-12		0.00	
		2012-13		460.89	
		2013-14		478.49	
		2014-15		379.05	
		2015-16		433.00	
		2016-17		445.00	
14	M/s.JSW PTC ltd	2007-08		547.06	
		2008-09		776.00	
		2009-10		551.70	
		2010-11		512.75	
		2011-12		325.86	
		2012-13		552.27	
		2013-14		617.75	
		2014-15		599.01	
		2015-16		609.00	
		2016-17		607.00	
15	Sri Sarvaraya Sugars Ltd	2014-15		545.00	
		2015-16		545.00	
		2016-17		545.00	
16	Indian Energy Exchange	2014-15		608.00	
		2015-16		474.00	
		2016-17		400.00	
		2017-18		409.00	
17	GMR Energy trading Ltd	2014-15		516.00	
		2015-16		452.00	
		2016-17		445.00	
18	Rain CII Corbon Vizag Ltd	2015-16		545.00	
		2016-17		586.00	
19	Sree Rayalaseema Hi-Strength Hyp Ltd	2015-16		545.00	
		2016-17		545.00	
20	Shri Girija Alloy & Power Ltd	2014-15		548.00	
		2015-16		543.00	
		2016-17		545.00	
		2017-18		401.00	
21	BMM cements	2014-15		559.00	
		2015-16		545.00	
		2016-17		630.00	
22	NSL Sugars Ltd	2014-15		588.00	
		2015-16		616.00	
		2016-17		768.00	
23	Sarda Metal and Alloys Ltd	2014-15		547.00	
		2015-16		545.00	
		2016-17		520.00	
		2017-18		433.00	
		2018-19			
		2014-15		545.00	

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	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	(Provl)
		2006-07		293.00	Including 50% of Differential Tariff as per court order.
		2007-08		296.00	
		2008-09		313.00	
		2009-10		352.59	
		2010-11		344.93	
		2011 - 12		344.29	
		2012-13		762.27	
		2013-14		412.47	
		2014-15		438.73	
		2015-16		468.00	
		2016-17		473.00	
		2017-18		423.00	
		2018-19		484.00	
		2019-20		470.00	
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	
33	Simhapuri Energy Ltd	2016-17		363.00	
34	NTPC (VVNL)	2016-17		458.00	
35	Ultratech Cement	2014-15		548.00	
		2015-16		544.00	
36	M/s.Reliance Energy	2004-05		238.00	
		2005-06		300.00	
		2006-07		283.86	
		2007-08		278.40	
		2008-09		336.10	
		2009-10		256.04	
		2010-11		294.78	
		2011-12		334.24	
		2012-13		311.80	
		2013-14		264.54	
		2014-15		284.28	
37	M/S LVS	2005-06		123.10	
		2006-07		109.70	Only Fixed Cost is Paid
		2007-08		109.70	Only Fixed Cost is Paid
		2008-09		759.00	
		2009-10		841.45	
		2010-11		1023.96	
		2011-12		0.00	
		2012-13		0.00	
38	M/s.VSPL	1997-98		197.50	
		1998-99		197.50	
		1999-2k		197.50	
		2000-01		197.50	
		2001-02		197.50	
		2002-03		197.50	(upto 12/02)
	6/03	2003-04		100.00	
		2004-05		176.00	
		2005-06		176.00	

9.8 RATES OF POWER PURCHASE

Sl.No	Source	Period		Rate Ps/Kwh	Remarks
		From	To		
1	2	3	4	5	
		2006-07		200.53	
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	
		2005-06		224.00	
41	M/s.Active Power	2000-01		260.00	
		2001-02		316.00	
		2002-03		332.00	
		2003-04		348.00	
		2004-05			
		2005-06		176.68	
		2006-07		170.90	
		2007-08		156.48	
42	M/s.Deccan Sugars	1997-98		225.00	
		1998-99		236.00	
		1999-2k		247.00	
		4/00-12/00		259.00	
		1/01-3/01		301.00	
		2001-02		301.00	
		2002-03		332.00	
		2003-04		348.00	
		2005-06		301.56	(Provl)
		2006-07		266.00	
		2007-08		263.00	
43	M/s.RETL	2007-08		538.24	
		2008-09		454.00	
		2009-10		594.76	
		2010-11		589.27	These are all average rates
		2011-12		436.23	
		2012-13		496.51	
		2013-14		543.97	
		2014-15		551.40	
		2015-16		545.00	
44	M/s.LEUL(NETSL)	2007-08		561.44	
		2008-09		818.02	
		2009-10		767.08	
		2010-11		504.77	
		2011-12		534.82	
		2012-13		538.18	
		2013-14		560.45	
		2014-15		535.14	
45	M/s.VISA Power ltd	2007-08		670.00	
		2008-09		0.00	
		2009-10		0.00	
46	M/s.Sitapuram Power Projects Ltd	2007-08		340.00	
		2008-09		375.00	
		2009-10		535.54	
		2010-11		425.00	
		2011-12		387.82	
		2012-13		0.00	
		2013-14		600.53	
		2014-15		579.25	
47	M/s.Kalyani power ltd	2007-08		714.00	
48	M/s.Patni Power Projects	2007-08		709.00	
49	M/s.Navabharat Ventures ltd	2007-08		325.00	
		2008-09		325.00	
		2009-10		0.00	
		2010-11		437.50	
		2011-12		452.29	
		2012-13		0.00	

9.8 RATES OF POWER PURCHASE

Sl.No	Source	Period		Rate Ps/Kwh	Remarks
		From	To		
1	2	3	4	5	
50	Vijayanagar sugars Pvt Ltd	2014-15		629.00	
51	Core green Sugar & Fuels Pvt Ltd	2014-15		628.00	
52	Jaypee Balaji Cement	2014-15		545.00	
		2015-16		545.00	
53	Manikram Power Ltd	2014-15		580.00	
		2015-16		361.00	
54	RVK Energy Ltd	2014-15		552.00	
55	Madhucon Sugars	2014-15		549.00	
56	Ramco Cements Ltd	2014-15		540.00	
		2015-16		545.00	
57	Global energy Ltd (Trading)	2014-15		547.00	
58	Kusa Lava Power Ltd	2014-15		538.00	
59	NSL Krishna veni sugars	2014-15		554.00	
60	NTPC Aravali power,Delhi	2014-15		582.00	
		2015-16		569.00	
61	Laxmi Tulasi Agro Paper Pvt Ltd	2014-15		553.00	
62	Bharathi cements Ltd	2014-15		545.00	
		2015-16		545.00	
63	KCP Limited	2014-15		500.00	
		2015-16		535.00	
64	Sri Sai sindhu Industries	2014-15		554.00	
		2015-16		559.00	
65	Instinct Infra & Power Ltd	2014-15		382.00	
		2015-16		447.00	
66	My Home Industries Ltd	2014-15		563.00	
67	Jindal Power	2014-15		408.00	
68	HCL Agro Industries	2014-15		545.00	
69	Blue ocean Bio tech Ltd	2014-15		536.00	
		2015-16		534.00	
70	National Energy Trading Services Ltd	2015-16		537.00	
71	GMR Rajahmundry Eng Ltd(GREL)	2015-16		479.00	
72	Greenko Energies Pvt Ltd	2015-16		545.00	
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

9.10 SALE OF ENERGY CATEGORY-WISE
(1970-71 T0 2019-20)

M U

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

@ : Negligible
x : Included in Agricultural

9.10 SALE OF ENERGY CATEGORY-WISE
(1970-71 T0 2019-20)

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

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

Consumption of both LT & HT Categories added together

Financial Year	Domestic-I	Commercial- II	Industry-III	Institutional- IV (Religious, Railway & PWS)	Agricultural V	RESCO	TOTAL
2019-20	15634.51	4899.11	15247.69	3057.79	16444.07	833.14	56116.31

L.T.CATEGORY

Financial Year	Domestic-I	Commercial- II	Industry-III	Institutional- IV	Agricultural V		Total LT
2019-20	15580.7	3119.24	1416.22	1202.25	14292.23		35610.64

H.T.CATEGORY

Financial Year	Domestic-I	Commercial- II	Industry-III	Institutional- IV	Agricultural V	RESCO	Total HT
2019-20	53.81	1779.87	13831.47	1855.54	2151.84	833.14	20505.67

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

Category	Domestic	Commercial	Agricultural (L.T+H.T)	Industry @	Railway Traction	Others	Total
1960-61	10.80	5.16	9.08	72.76	--	2.20	100
1961-62	11.41	4.77	9.47	72.00	--	2.35	100
1962-63	12.58	5.33	11.28	68.30	--	2.51	100
1963-64	8.04	8.81	13.12	68.78	--	1.25	100
1964-65	8.15	8.67	12.84	68.20	--	2.14	100
1965-66	8.15	8.22	16.05	65.60	--	1.98	100
1966-67	7.93	7.74	16.40	65.60	--	2.33	100
1967-68	7.95	7.22	17.69	65.42	--	1.72	100
1968-69	7.68	6.55	19.55	64.57	--	1.65	100
1969-70	7.37	5.95	16.76	68.24	--	1.68	100
1970-71	8.17	5.83	18.44	65.44	--	2.12	100
1980-81	10.70	4.23	18.44	63.07	0.98	2.59	100
1984-85	11.34	3.47	26.44	54.89	1.97	1.90	100
1985-86	11.59	3.30	25.28	54.78	2.03	3.03	100
1986-87	11.92	3.19	28.79	50.89	2.29	2.92	100
1987-88	13.13	3.38	34.43	43.25	2.01	3.80	100
1988-89	13.43	3.18	34.45	43.28	2.10	3.56	100
1989-90	13.36	3.09	36.83	41.08	2.22	3.42	100
1990-91	12.79	3.16	38.62	39.03	2.18	4.22	100
1991-92	14.05	3.18	40.37	38.95	2.17	1.28	100
1992-93	14.69	3.17	41.28	34.83	2.40	3.63	100
1993-94	15.04	3.18	42.80	32.41	2.59	3.98	100
1994-95	14.01	2.93	47.81	29.17	2.59	3.49	100
1995-96	14.00	3.01	48.85	27.55	2.70	3.89	100
1996-97	18.17	3.80	37.57	32.42	3.28	4.76	100
1997-98	19.10	3.90	39.46	26.41	3.58	7.55	100
1998-99	20.34	4.17	39.59	26.46	3.39	6.05	100
1999-2K	20.93	4.35	40.79	23.54	3.4	6.99	100
2000-01	21.71	4.54	40.78	22.84	3.39	6.74	100
2001-02	22.89	4.78	41.53	20.94	3.28	6.57	100
2002-03	22.06	4.85	39.42	21.39	3.38	8.43	100
2003-04	21.12	4.87	37.07	25.90	3.32	7.72	100
2004-05	20.71	4.87	36.17	27.97	3.12	7.16	100
2005-06	21.34	5.16	33.99	30.34	3.09	6.08	100
2006-07	20.46	5.12	35.31	31.02	2.85	5.22	100
2007-08	21.42	5.55	30.65	31.14	2.90	8.34	100
2008-09	21.56	5.69	30.84	33.60	2.67	5.65	100
2009-10	22.16	5.73	30.97	33.21	2.58	5.36	100
2010-11	22.80	5.94	27.66	33.43	2.51	7.66	100
2011-12	21.97	5.90	28.86	36.06	2.45	4.76	100
2012-13	23.29	6.02	28.89	34.37	2.62	4.82	100
2013-14	22.78	5.84	29.85	34.41	2.58	4.55	100
2014-15	24.02	5.11	26.83	36.99	3.49	3.56	100
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

Category	Domestic	Commercial	Industry	Institutional- IV (Religious, Railway & PWS)	Agricultural	RESCO	TOTAL
2019-20	**27.86**	**8.73**	**27.17**	**5.45**	**29.30**	**1.48**	**100**

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

NOTE:- Only sales with in the state are considered

9.12 ARREARS OF REVENUE

(Rs.in crores)

Details As on	L.T. Con-sumers	H.T. Con-sumers	TOTAL	Decreed debts	Debts pending in Courts	Debts to be with-drawn	Amounts due from Govt. Depts	Amounts due from Local Bodies	Amounts due from Live Services	Amounts due from Disconnected Services	Others (Arrears of RESCOs,RR Act,)	TOTAL
1986-87	56.81	105.36	162.17	0.46	76.49	0.28	2.57	8.15	43.02	31.20		162.17
1987-88	72.84	150.87	223.71	0.52	109.18	0.36	6.47	11.38	67.6	28.2		223.71
1988-89	82.86	192.84	275.70	0.53	141.21	0.96	10.68	13.78	72.72	35.82		275.70
1989-90	106.75	260.28	367.03	0.58	203.95	1.07	11.37	14.70	89.20	46.16		367.03
1990-91	114.54	248.58	363.12	0.54	189.24	0.95	13.58	18.34	92.52	47.95		363.12
1991-92	128.52	277.44	405.96	0.6	189.32	1.4	19.37	22.21	125.91	47.15		405.96
1992-93	175.07	281.38	456.45	6.26	141.86	3.15	25.82	39.20	128.40	111.76		456.45
1993-94	220.28	335.46	555.74	1.08	191.86	2.83	55.33	41.69	176.48	86.47		555.74
1994-95	262.10	310.26	572.36	0.44	176.83	2.69	36.68	48.80	210.62	96.30		572.36
1995-96	262.33	328.57	590.90	0.47	178.71	5.55	69.69	39.19	197.51	99.78		590.90
1996-97	353.70	371.48	725.18	0.37	176.76	5.44	66.90	52.37	279.28	144.06		725.18
1997-98	495.93	355.61	851.54	0.47	106.93	1.63	133.82	35.64	344.72	228.33		851.54
1998-99	661.58	504.11	1165.69	0.54	118.11	4.52	238.46	78.80	465.61	259.65		1165.69
1999-2K	843.99	385.83	1229.82	0.86	111.96	3.87	140.48	123.70	549.94	299.01		1229.82
2000-01	1020.70	480.14	1500.84	0.27	141.62	4.86	176.28	169.52	639.87	368.42		1500.84
2001-02	1154.37	516.25	1670.62	0.48	122.68	3.14	199.75	170.97	771.14	402.46		1670.62
2002-03	1640.12	602.18	2142.30	0.54	115.01	7.48	303.51	131.40	1012.52	571.84		2142.30
2003-04	2022.59	626.96	2649.55	8.49	109.09	4.69	370.63	0.93	1435.18	720.54		2649.55
2004-05	2495.25	866.71	3361.96	2.64	180.60	3.83	495.67	40.78	1841.06	797.38		3361.96
2005-06	1181.76	823.44	2005.20	12.09	265.76	2.97	254.22	50.14	587.59	646.95	185.48	2005.20
2006-07	1211.93	864.88	2076.81	2.09	293.64	3.13	281.78	102.67	613.94	619.81	159.75	2076.81
2007-08	1191.79	865.34	2057.13	2.72	309.04	2.13	299.81	107.48	506.51	639.24	190.2	2057.13
2008-09	1067.91	858.09	1926.00	1.40	355.18	2.22	235.45	165.60	457.05	514.61	194.49	1926.00
2009-10	1270.82	975.13	2245.95	1.40	384.19	2.24	321.91	311.78	550.65	473.82	199.96	2245.95
2010-11	1546.84	1210.16	2757.00	16.11	444.09	2.77	486.63	522.19	714.04	478.61	92.56	2757.00
2011-12	1883.95	1414.42	3298.37	3.11	609.94	3.00	539.93	746.39	898.15	352.06	145.79	3298.37
2012-13	1944.13	1967.95	3912.08	3.74	713.02	3.01	571.96	757.2	1212.97	408.41	241.76	3912.07
2013-14	2564.18	2660.97	5225.15	3.06	1024.68	1.14	957.71	1498.76	778.13	650.18	311.49	5225.15
2014-15*	1274.09	1284.69	2558.78	0.26	632.57	4.98	362.47	1013.4	178.68	260.95	105.45	2558.76
2015-16	1433.11	1559.59	2992.70	0.98	717.61	4.71	242.78	1185.81	289.23	370.89	180.67	2992.68
2016-17	1927.6	2361.12	4288.72	4.27	667.84	4.16	1026.93	1516.06	552.6	349.64	167.27	4288.77
2017-18	2449.58	3398.26	5847.84	4.2	706.74	4.67	1860.75	2122.55	576.02	408.52	164.42	5847.87
2018-19	3151.08	3981.56	7132.64	1.63	737.51	-1.71	2252.72	2733.91	490.12	660.20	258.30	7132.68
2019-20	4650.10	4873.60	9523.70	-2.03	535.40	645.76	2913.93	4094.89	331.28	725.21	279.26	9523.70

*For Residual AP

RETAIL SUPPLY TARIFF SCHEDULE FOR FY 2019-20
(RETAIL SUPPLY TARIFF RATES AND TERMS AND CONDITIONS)
RETAIL SUPPLY TARIFF SCHEDULE FOR FY 2019-20

Category	Consumer Category	LT SUPPLY		↔ Billing Unit	HT SUPPLY				Categories in FY2018-19	
		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	LT	HT
I	DOMESTIC									
	(A) : Domestic (Telescopic)									
	Group A : Consumption ≤ 900 Units during FY2018-19									
	0-50	-	1.45	kWh	-	-	-	-		
	51-100	-	2.60	kWh	-	-	-	-		
	101-200	-	3.60	kWh	-	-	-	-		
	Above 200	-	6.90	kWh	-	-	-	-		
	Group B: Consumption ≤ 2700 and > 900 units during FY2018-19									
	0-50	-	2.60	kWh	-	-	-	-		
	51-100	-	2.60	kWh	-	-	-	-		
	101-200	-	3.60	kWh	-	-	-	-		
	201-300	-	6.90	kWh	-	-	-	-		
	Above 300	-	7.75	kWh	-	-	-	-	LT - I	_
	Group C: Consumption > 2700 units during FY2018-19									
	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	-	9.05	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 applicablel for such consumers for the consumption between 10 AM to 12 Noon.									
	(B) : Townships & Colonies	-	-	kVAh	75	6.30	6.30	6.30	-	HT-VI
II	COMMERCIAL & OTHERS									
	(A) : Commercial	-	-	kWh/kVAh	475	7.65	6.95	6.70	LT-II (A&B)	HT-II (A)
	Time of Day tariff (TOD)- Peak (6 PM to 10 PM)	-	-	kWh/kVAh		8.65	7.95	7.70	-	-
	0-50	$55/75/kW	$5.40/ 6.90	kWh/kVAh	-	-	-	-	-	-
	$ Energy charges at Rs.5.40 and Fixed charges at Rs.55/kW are applicable upto 50 units of consumption only. The consumption exceeding 50 units shall be billed energy charges at Rs.6.90 and Fixed charges at Rs.75/kW								-	-
	51-100	75/kW	7.65	kWh/kVAh	-	-	-	-	-	-
	101-300	75/kW	9.05	kWh/kVAh	-	-	-	-	-	-
	301-500	75/kW	9.60	kWh/kVAh	-	-	-	-	-	-
	Above 500	75/kW	10.15	kWh/kVAh	-	-	-	-	-	-
	(B) : Public Infrastructure & Tourism	-	-	kVAh	475	7.30	6.65	6.35	-	HT-III
	Time of Day tariff (TOD)- Peak (6 PM to 10 PM)	-	-			8.30	7.65	7.35	-	-
	(C) : Advertising Hoardings	75/kW	12.25	kWh/kVAh	-	-	-	-	LT-II C	-
	(D) : Function Halls /Auditoriums,Startup Power for Captive Generating Plants or Co-Generation Plants or Renewable Energy Generation Plants	-	11.75	kWh/kVAh	-	11.75	11.75	11.75	LT-II D LT-II F	HT-II C HT-II F
	(E) : Electric Vehicles (EVs) / Charging Stations	-	5.00	kWh/kVAh	-	5.00	5.00	5.00	LT-II E	HT - II E
	(F) : Green Power	-	-	kWh/kVAh		11.30	11.30	11.30	-	HT-VII

Category	Consumer Category	LT SUPPLY		↔ Billing Unit	HT SUPPLY				Categories in FY2018-19	
		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	LT	HT
III	INDUSTRY									
	(A) : Industry (General)	75/kW	6.70	kWh/ kVAh	475	6.30	5.85	5.40	LT-III (i)	HT-I A (i)
	Time of Day tariff (TOD)- Peak (6 AM to 10 AM & 6 PM to 10 PM)	-	-			7.30	6.85	6.40	-	-
	Time of Day tariff (TOD) - Off Peak (10 PM to 6 AM)	-	-			5.30	4.85	4.40	-	-
	Industrial Colonies	-	-	kWh/ kVAh	-	6.30	6.30	6.30	-	-
	(B) : Seasonal Industries (off- season)	75/kW	7.45	kWh/ kVAh	475	7.65	6.95	6.70	LT-III (ii)	HT- I A (ii)
	(C) : Energy Intensive Industries	-	-	kWh/ kVAh	-	5.80	5.35	4.95	-	HT-I B
	(D) : Cottage Industries upto 10HP *	20/kW	3.75	kWh	-	-	-	-	LT-IV A	-
	* Dhobighats shall be extended free power supply as per G.O.Rt.No.75, dt:27-06-2018									
IV	INSTITUTIONAL									
	(A) : Street Lighting								LT-VI A	-
	(i) Panchayats	75/kW	5.95	kWh	-	-	-	-		
	(ii) Municipalities	75/kW	6.5	kWh	-	-	-	-		
	(iii) Muncipal Corporations	75/kW	7.05	kWh	-	-	-	-		
	(B) : CPWS/PWS Schemes								LT-VI B	HT- IV B
	(i) Panchayats	75/HP	4.85	kWh/ kVAh	-	4.85	4.85	4.85		
	(ii) Muncipalities	75/HP	5.95	kWh/ kVAh	-	4.85	4.85	4.85		
	(iii) Muncipal Corporations	75/HP	6.50	kWh/ kVAh	-	4.85	4.85	4.85		
	(C) : NTR Sujala Pathakam	10/HP	4.00	kWh/ kVAh	-	-	-	-	LT-VI C	-
	(D) : General Purpose	30/kW	7.25	kWh/ kVAh	-	-	-	-	LT-VII A	-
	(E) : Religious Places	30/kW	$$ 4.80/5.00	kWh	30.00	5.00	5.00	5.00	LT-VII B	HT- II B
	$$ Energy charges Rs.4.80 is applicable only for the connected loads ≤ 2kW. The connected load > 2 kW shall be billed at Rs.5/unit									
	(F) : Railway Traction	-	-	kVAh	350	3.75	3.75	3.75	-	HT-V
V	AGRICULTURE & RELATED									
	(A) : Corporate Farmers / Salt Farming Units upto15 HP	-	2.50	kWh	-	-	-	-	LT-V A&B (i)	-
	(B) : Non-Corporate Farmers / Sugarcane crushing / Rural Horticulture Nurseries	-	0	kWh	-	-	-	-	LT-V A&B (ii-v) LT III	-
	(C) : Aquaculture and Animal Husbandry	30/kW	3.85	kWh/ kVAh	30	3.85	3.85	3.85	LT III (iii)	HT- I C
	(D) : Poultry Hactcheries & Poultry Feed mixing plants, Aqua Hatcheries & Aqua Feed mixing plants / Floriculture in Green House	75/kW	3.85	kWh/ kVAh	475	4.85	4.85	4.85	LT- III (vii) LT- III (vi)	HT- I D
	(E) : Agro Based Cottage Industries upto 10 HP	20/kW	3.75	kWh	-	-	-	-	LT- IV B	-
	(F) : Government / Private Lift Irrigation Schemes	-	-	kVAh	-	5.80	5.80	5.80	-	HT- IV A
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.								LT-VIII	HT- VIII
	(ii) Categories not defined in either HT-Supply or LT-Supply shall be billed at the rates specified in Category - II commerical									

10. PERSONNEL

10.1 CADRE STRENGTH IN AP Power Sector

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

10.1 CADRE STRENGTH in AP Power Sector

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

* 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
		2016-17		2017-18		2018-19		2019-20	
A.	Total No.of Employees	9253	36467	9253	37127	9244	28658	9253	27225
B.	Number employed in construction Projects	100		100		102		119	
C.	Total employed in Generation,Transmission &Distribution(A-B)	9153	36467	9153	37127	9142	28658	9134	27225
D.	Employment break-up of 'C'								
	1.a)Number.Actually employed in Thermal Generation	6400		6400		6480		6490	
	1.b)Plus proportion of other employees (H.Q.Posts)	296		296		284		282	
	1.c)Thermal Capacity in operation in MW	2810		2810		3410		3410	
	1.d)Employees / MW (1a+1b)/1c	2.382918		2.382918		1.984		1.986	
	2.a)No.actually employed in Hydel Generation	2258		2258		2271		2251	

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	
2			3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	17	18	18	19
2.b)Plus proportion of other employees(HQ)			486	494	258	---	296	---	315	---	323	---	226	---	274	---	253	---	253	---	282	---
2.c)Hydel capacity in operation(MW)			2659	2659	2659	---	2674	---	2675	---	2982	---	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 ofother 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. ofemployees 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 ofother 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. ofemployees (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

* Reconcilled figures

10.2 MAN POWER DETAILS

S.No.	Particulars	Genco	T & D	Genco	T & D	Genco	T & D	Genco	T & D
		2016-17		2017-18		2018-19		2019-20	
	2.b)Plus proportion of other employees(HQ)	201		201		215	-	213	
	2.c)Hydel capacity in operation(MW)	1749.6		1749.6		1749.6	-	1749.6	
	2.d)Employees per MW ((2a+2b)/2c)	1.40546		1.405464		1.421	-	1.408	
	3.a)No.of posts sanctioned in Transmission&distribution		36467		37127		28658		27225
	3.b)Plus proportion ofother employees(HQ)(TRANSCO)						-		
	3.c)No.of consumers in thousands		17182		17821		12278		
	3.d)Employees(sanctioned) per 1000 consumers (3a+3b)/3c		2.12		2.08		1.74		
	4.a)Units sold including exports in MKWH		52637.23*		57576		34888.91		
	4.b)Total No. ofemployees (sanctioned)per MU sold		1.44		1.55		0.61		

* Reconcilled figures

10.3 DETAILS OF OTHER THAN WORKMEN AS ON 31-03-2020

S.No.	Cadre	AP GENCO			AP TRANSCO*		
		Head Qrs.	Field	Total	Head Qrs.	Field	Total
1	2	3	4	5	6	7	8
A	**TECHNICAL**						
1	Excutive Director	-	-		0		0
2	Chief Engineer/EI including CGM Adm(GENCO)/CE(El,telecom,civil)	8	6	14	6	3	9
3	Superintending Engineer	14	31	45	8	17	25
4	DE / EE	39	173	212	36	94	130
5	ADE / AEE	89	713	802	116	506	622
6	AE / AAE	43	1260	1303	60	704	764
7	Sub-Engineer	1	419	420	0	16	16
	T O T A L	**194**	**2602**	**2376**	**226**	**1340**	**1566**
B	**NON-TECHNICAL**						
1	Excecutive Director/Finance/General	-	-	0	1	0	1
2	Chief Chemist	0	5	5	**	**	**
3	Senior Chemist	1	33	34	**	**	**
4	Chemist	1	56	57	**	**	**
5	FA & CCA	2	0	2	1	0	1
6	Deputy CCA	4	4	8	3	0	3
7	Senior Accounts Officer	8	6	14	7	4	11
8	Accounts Officer	17	17	34	2	6	8
9	Asst. Accounts Officer	9	26	35	8	9	17
10	Junior Accounts Officer	36	107	143	9	35	44
11	Chief Gen. Mnager (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(HR)	1	6	7	1	0	1
16	General Manager (IR)	1	0	1	**	**	**
17	General Manager (HR)	1	0	1	**	**	**
18	DGM(HR)	3	2	5	**	**	**
19	Deputy Secretary	3	1	4	1	0	1
20	Assistant Secretary	7	3	10	4	0	4
21	Law Officer	1	0	1	**	**	**
22	Junior Law Officer	1	0	1	**	**	**
23	Personnel Officer	22	6	28	13	16	29
24	Public Relations Officer	0	0	0	**	**	**
25	Welfare Officer	0	5	5	**	**	**
26	Head Master	0	1	1	**	**	**
27	Chief of Security & Vigilance	1	0	1	**	**	**
28	DSP(Vigilance)	1	0	1	1	0	1
29	Security officer	0	3	3	**	**	**
30	Asst. Security Officer	1	7	8	**	**	**
31	Security Inspector	2	9	11	**	**	**
32	Deputy Civil Surgeon	0	2	2	**	**	**
33	Asst.Civil Surgeon	1	12	13	**	**	**
34	Addl.Secretary	-	-	**	1	0	1
35	Tahasildar & Dy Tahasildar	-	-	**	1	0	1
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	**	**	**
40	Inspector of Police (CI)	-	-	-	2	0	2
41	Sub Inspector	-	-	-	2	0	2
42	Head Constable	-	-	-	1	0	1
43	Police Constable	-	-	-	1	0	1
	TOTAL	**125**	**323**	**448**	**54**	**70**	**130**
	Grand Total	**319**	**2925**	**2824**	**280**	**1410**	**1696**

***Filled Posts**

10.4 DETAILS OF OTHER THAN WORKMEN(SANCTIONED) (AS ON 31-03-2020 DISCOMS)				
Sl.no	**Cadre**	**EPDCL**	**SPDCL**	**DISCOM Total**
1	**2**	**3**	**4**	**5**
A. TECHNICAL				
1	Executive Director	1	1	2
2	Chief Engineer/(CGM)	9	9	18
3	Superintending Engineer/GM	22	33	55
4	DE / EE	81	138	219
5	ADE	209	368	577
6	AE / AAE	567	1023	1590
7	DGM /IT	1	**	1
8	Manager (CSC)	7	**	7
9	Sub-Engineer	470	832	1302
	TOTAL(A)	**1367**	2404	**3771**
B. NON-TECHNICAL				
1	**CGM**	2	2	4
2	GM	**	6	6
3	GM(Revenue/Accounts/IA/Costing	4	-	4
4	GM/HRD	2	-	2
5	SAO	9	13	22
6	AO	20	23	43
7	AAO	55	110	165
8	JAO	215	439	654
9	DGM	4	-	4
10	DGM/Legal Affairs (Out Source)	0	-	0
11	DGM/CC (Out source)	0	-	0
12	JS	**	1	1
13	DS/GM	**	3	3
14	AS/DGM	**	10	10
15	Personnel Officer	19	24	43
16	Company Secretary	1	1	2
17	Public Relations Officer	1	1	2
18	Chief Vigilance Officer	1		1
19	Inspector of Police	5		5
20	Sub-Inspector of Police	11		11
21	Law Officer	**		0
	TOTAL (B)	**350**	633	**982**
	Grand Total	**1717**	**3037**	**4753**

10.5 Trends of Regular Employee & Employee Cost						
	2014-15	**2015-16**	**2016-17**	**2017-18**	**2018-19**	**2019-20**
Employees (nos)						
AP Transco	2211	2172	2150	2108	2102	2154
AP Genco	6200	5838	5838	5850	5735	5629
AP EPDCL	7206	7858	7871	7648	7793	7608
AP SPDCL	16638	16323	15895	16104	15494	15378
TOTAL	**32255**	**32191**	**31754**	**31710**	**31124**	**30769**
Annual growth (%)		-0.20	-1.36	-0.14	-1.85	-1.14
Amount (Rs in Cr)						
AP Transco	497.36	269.02	302.33	362.59	444.37	621.68
AP Genco	585.37	524.89	506.89	510.29	784.33	779.21
AP EPDCL	492.66	536.27	555.08	579.11	816.13	840.62
AP SPDCL	1359.68	1025.41	860.46	1170.9	2603.72	2875.89
TOTAL	**2935.07**	**2355.59**	**2224.76**	**2622.89**	**4648.55**	**5117.4**
Annual growth (%)		-19.74	-5.55	17.90	77.23	10.09

Trends of Out Sourcing Employee & Employee Cost						
	2014-15	**2015-16**	**2016-17**	**2017-18**	**2018-19**	**2019-20**
Employees (nos)						
AP Transco	4223	4248	4516	4717	5007	5988
AP Genco	2912	3807	4202	4255	4286	4354
AP EPDCL	2876	2970	3205	3533	4010	4163
AP SPDCL	6619	6785	6858	7014	6763	7297
TOTAL	**16630**	**17810**	**18781**	**19519**	**20066**	**21802**
Annual growth (%)		7.10	5.45	3.93	2.80	8.65
Amount (Rs in Cr)						
AP Transco	10.16	12.91	15.19	20.51	28.28	30.95
AP Genco	36.98	50.15	63.03	84.42	114.41	138.79
AP EPDCL	32.16	41.16	62.72	73.69	128.67	133.52
AP SPDCL	97.35	131.04	146.17	175.64	233.92	288.92
TOTAL	**176.65**	**235.26**	**287.11**	**354.26**	**505.28**	**592.18**
Annual growth (%)		33.18	22.04	23.39	42.63	17.20

11. ALL INDIA STATISTICS

11.1 All India Region wise Installed Capacity (MW) of Power Stations as on 31-03-2020											
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	5777.25	701.01	26,266.46
		Private	22425.83	1080.00	558.00	0.00	24,063.83	0.00	2817.00	15788.13	42,668.96
		Central	14354.96	250.00	2344.06	0.00	16,949.02	1620.00	11491.52	379.00	30,439.54
		SubTotal	**53439.79**	**1580.00**	**5781.26**	**0.00**	**60,801.05**	**1620.00**	**20085.77**	**16868.14**	**99,374.96**
2	Western	State	21740.00	1040.00	2849.82	0.00	25,629.82	0.00	5446.50	555.54	31,631.86
		Private	32847.17	500.00	4676.00	0.00	38,023.17	0.00	481.00	24652.05	63,156.22
		Central	18347.95	0.00	3280.67	0.00	21,628.62	1840.00	1695.00	666.30	25,829.92
		SubTotal	**72935.12**	**1540.00**	**10806.49**	**0.00**	**85,281.61**	**1840.00**	**7622.50**	**25873.89**	**1,20,618.00**
3	Southern	State	19512.50	0.00	791.98	159.96	20,464.44	0.00	11774.83	586.88	32,826.15
		Private	12747.00	250.00	5340.24	273.70	18,610.94	0.00	0.00	41277.52	59,888.46
		Central	11835.02	3240.00	359.58	0.00	15,434.60	3320.00	0.00	541.90	19,296.50
		SubTotal	**44094.52**	**3490.00**	**6491.80**	**433.66**	**54,509.98**	**3320.00**	**11774.83**	**42406.30**	**1,12,011.11**
4	Eastern	State	7450.00	0.00	100.00	0.00	7,550.00	0.00	3537.92	275.11	11,363.03
		Private	6153.00	0.00	0.00	0.00	6,153.00	0.00	96.00	1211.86	7,460.86
		Central	13682.05	0.00	0.00	0.00	13,682.05	0.00	1005.20	10.00	14,697.25
		SubTotal	**27285.05**	**0.00**	**100.00**	**0.00**	**27,385.05**	**0.00**	**4639.12**	**1496.97**	**33,521.14**
5	N.Eastern	State	0.00	0.00	497.71	36.00	533.71	0.00	422.00	233.25	1,188.96
		Private	0.00	0.00	24.50	0.00	24.50	0.00	0.00	100.95	125.45
		Central	770.02	0.00	1253.60	0.00	2,023.62	0.00	1155.00	30.00	3,208.62
		SubTotal	**770.02**	**0.00**	**1775.81**	**36.00**	**2,581.83**	**0.00**	**1577.00**	**364.20**	**4,523.03**
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	7.84	7.84
		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**	**18.19**	**58.24**
7	All India	State	65361.50	1290.00	7118.71	236.01	**74,006.22**	0.00	26958.50	2357.03	**1,03,321.75**
		Private	74173.00	1830.00	10598.74	273.70	**86,875.44**	0.00	3394.00	83038.35	**1,73,307.79**
		Central	58990.00	3490.00	7237.91	0.00	**69,717.91**	6780.00	15346.72	1632.30	**93,476.93**
		Total	**1,98,524.50**	**6,610.00**	**24,955.36**	**509.71**	**2,30,599.57**	**6,780.00**	**45,699.22**	**87,027.68**	**3,70,106.47**

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*

Source:cea.nic.in *Provisional

11.3 THERMAL STATIONS - PLANT LOAD FACTOR

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

* Coal and Lignite based

Plan Wise Capacity Addition Targets and achievements during Various Plans			
Sl.No	Plan Period	Target	Achievement
1	I st plan (1951-56)	1300	1100
2	2nd plan(1956-61)	3500	2250
3	3rd plan (1961-66)	7040	4520
4	Annual plans(1966-69)	5430	4120
5	4th plan(1969-74)	9264	4579
6	5th plan(1974-79)	12499	10202
7	Annual plan (1979-80)	2813	1799
8	6th plan(1980-85)	19666	14266
9	7th plan(1985-90)	22245	21401
10	Annual plan (1990-91)	4212	2776
11	Annual Plan (1991-92)	3811	3027
12	8th plan (1992-97)	30538	16423
13	9th plan (1997-2002)	40245	19119
14	10th plan (2002-2007)	41110	21180
15	I st year of 11th plan (2007-08)	16335	9263
16	2nd year of 11th plan (2008-09)	7530	3454
17	3rd year of 11th plan (2009-10)	14507	9585
18	4th year of 11th plan (2010-11)	21441	12161
19	5th year of 11th plan (2011-12)	17601	20502
20	1st Year of 12th Plan (2012-13)	17956	20623
21	2nd Year of 12th Plan (2013-14)	11663	17825
22	3rd Year of 12th Plan (2014-15)	17830	22566
23	4th Year of 12th Plan (2015-16)	16894	23977
24	5th Year of 12th Plan (2016-17)	9914	14325
25	2017-18	13171	9505
26	2018-19	8106	5922
27	2019-20	12186	7065

Figures in MW

11.4 Growth of Transmission sector (As on 31-03-2020)		
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	2,31,000
2	400 kV	3,37,772
3	220kV	3,73,621
4	HVDC	25,500
TOTAL		9,67,893

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	2,12,54,379

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

Source: www.cea.nic.in

11.6 PEAK DEMAND AND DEFICIT

Year 2019-20 (Provisional)

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	**0.7**

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

11.7 POWER SUPPLY AND SHORTAGES

Year :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

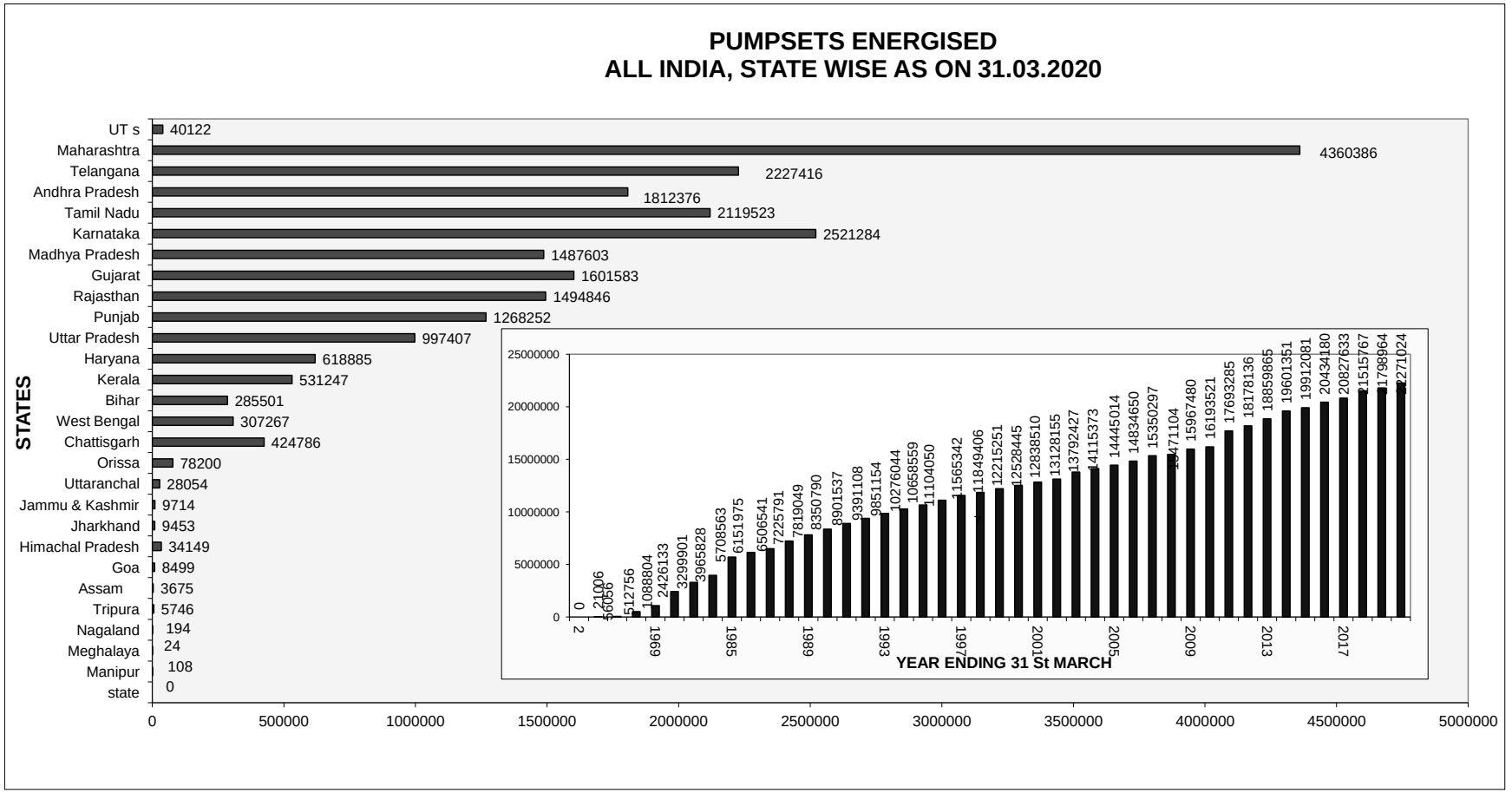
11.8 Per-Capita Consumption in kwh													
Sl.No	**Country**	**2006**	**2007**	**2008**	**2009**	**2010**	**2011**	**2012**	**2013**	**2014**	**2015**	**2016**	**2017**
1	Canada	16766	16995	17053	15467	15145	16406	15558	15520	15544	15188	14844	14273
2	USA	13515	13616	13647	12884	13361	13227	12947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

11.9 T&D Losses in (%)

Sl.No	Country	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
1	Korea	3.77	3.81	3.97	4.01	3.57	3.47	3.47	3.62	3.59	3.45	3.47
2	Japan	4.80	5.16	5.23	5.04	4.98	4.79	4.87	4.56	4.3	4.51	4.04
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	Italy	6.35	6.20	6.56	6.87	6.46	6.61	6.87	6.46	6.42	6.15	6.01
5	Australia	7.86	7.36	7.37	7.27	5.94	5.68	6.69	5.4	6.33	6.02	5.89
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
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	China	6.83	6.32	5.58	6.45	6.54	6.56	6.52	6.17	5.77	5.59	5.46
9	USA	6.53	6.06	6.68	6.86	6.41	6.73	6.32	6.31	6.33	5.81	5.68
10	Canada	9.62	8.87	9.1	13.97	6.27	8.19	10.4	10.63	11.72	12.04	6.45
11	UK	7.57	7.63	7.65	8.17	8.06	8.26	7.8	8.45	8.77	8.03	8.21
12	Russia	13.56	13.09	13.47	14.44	12.59	12.59	12.57	12.62	12.79	12.59	12.15
13	Brazil	15.27	15.83	16.44	19.58	16.08	16.63	16.11	15.69	15.92	16.87	16.36
14	India	25.47	25.39	23.97	23.65	23.97	23.65	23.04	22.77	21.81	21.42	21.04
	World	**9.20**	**8.99**	**9.17**	**9.80**	**8.90**	**8.89**	**8.91**	**9.03**	**8.95**	**8.64**	**8.64**

Source : CEA

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


PUMPSETS ENERGISED
ALL INDIA, STATE WISE AS ON 31.03.2020
STATES
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Maharashtra 4360386
Telangana 2227416
Andhra Pradesh 1812376
Tamil Nadu 2119523
Karnataka 2521284
Madhya Pradesh 1487603
Gujarat 1601583
Rajasthan 1494846
Punjab 1268252
Uttar Pradesh 997407
Haryana 618885
Kerala 531247
Bihar 285501
West Bengal 307267
Chattisgarh 424786
Orissa 78200
Uttaranchal 28054
Jammu & Kashmir 9714
Jharkhand 9453
Himachal Pradesh 34149
Goa 8499
Assam 3675
Tripura 5746
Nagaland 194
Meghalaya 24
Manipur 108
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12838510
13128155
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14445014
14834650
15350297
15471104
15967480
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17693285
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18859865
19601351
19912081
20434180
20827633
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21798964
22271024
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1969
1985
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1997
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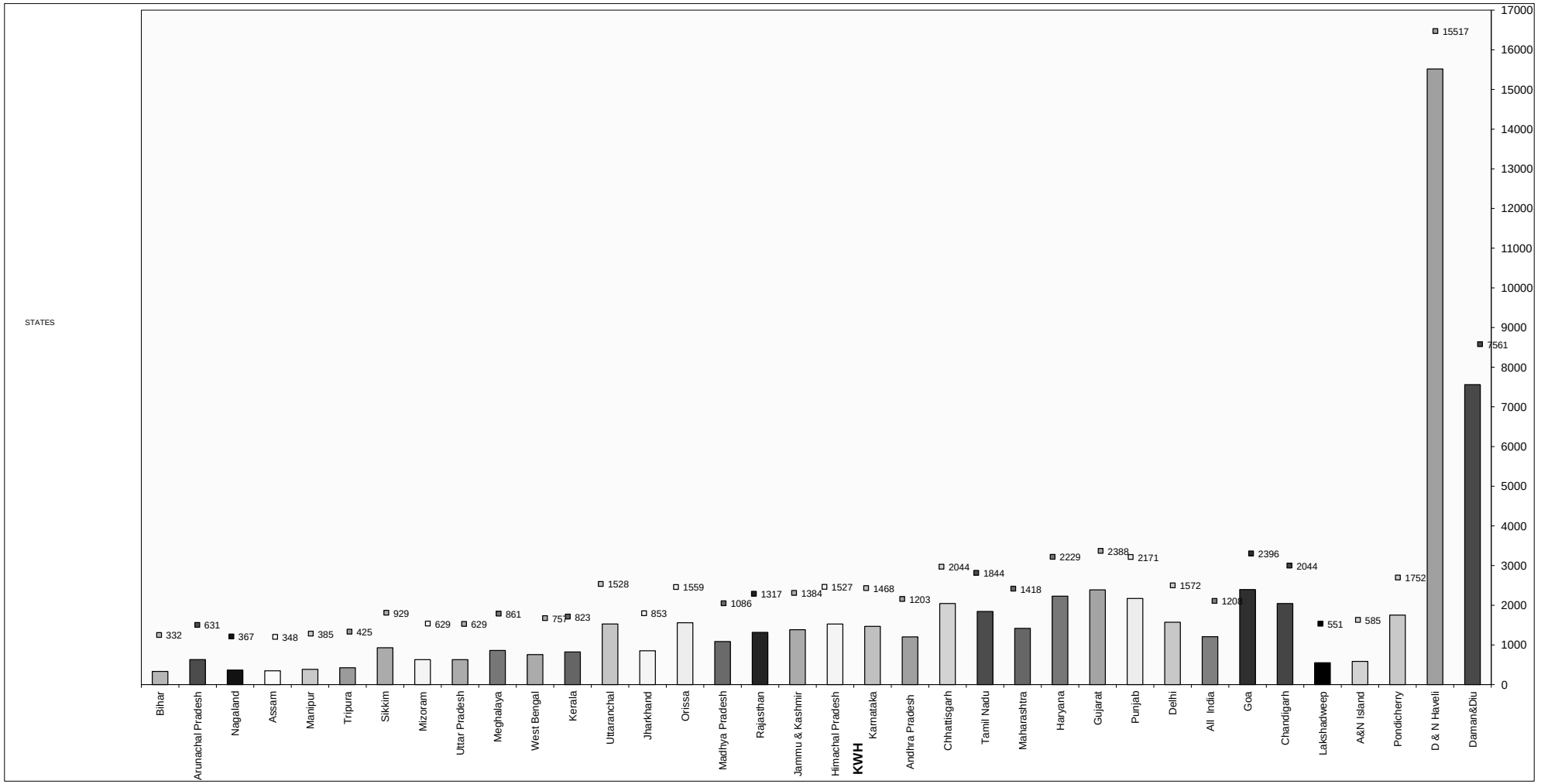
2013
2017
YEAR ENDING 31 St MARCH

PER CAPITA CONSUMPTION -STATE WISE 2019-20



APPENDIX

APPENDIX - I

SYSTEM DEMAND AND LOAD FACTORS OF A.P.GRID FOR THE YEAR 2019-20

Sl.No.	Month	Demand Met (MU)	Maximum Demand MW	Load Factor %
1	Apr-19	5722	9160	85.54
2	May-19	6061	9854	81.45
3	Jun-19	5637	10170	74.96
4	Jul-19	5375	9238	76.81
5	Aug-19	5305	9110	76.93
6	Sep-19	4989	8672	78.80
7	Oct-19	4879	7988	80.90
8	Nov-19	5099	8426	82.54
9	Dec-19	5062	9118	75.35
10	Jan-20	5449	9605	76.63
11	Feb-20	5617	9954	76.10
12	Mar-20	5853	10207	74.92
TOTAL / MAX		**65048**	**10207**	

As per the grid operation data

APPENDIX - II

GROWTH OF MAXIMUM DEMAND AND ENERGY CONSUMPTION SINCE THE FORMATION OF ANDHRA PRADESH GRID

Sl.No	Year	Maximum Demand (MW)	% Increase in Demand over the preceeding year	Energy consumption (sales) (KWH)	% Increase in Energy over preceeding year
1	2	3	4	5	6
1.	1966-67	290.2	--	1020849000	--
2.	1967-68	357	22.67	1334288482	30.7
3.	1968-69	440.8	23.82	1638411589	22.8
4.	1969-70	524.4	18.97	1921423258	17.3
5.	1970-71	562.1	7.19	2186209278	13.8
6.	1971-72	630.4	13.75	2329845282	6.6
7.	1972-73	608.2	-4.88	2272831235	-6.7
8.	1973-74	652	7.2	2479295728	14.1
9.	1974-75	706	8.28	2575138955	3.9
10.	1975-76	822	16.43	2794155331	8.5
11.	1976-77	871	5.96	3433298534	22.9
12.	1977-78	978	12.28	3782467759	10.1
13.	1978-79	1060	8.38	4335776979	14.6
14.	1979-80	1055	(-)0.50	4551922878	4.99
15.	1980-81	1281	21.42	5104691158	12.14
16.	1981-82	1570	22.56	6095304852	19.41
17.	1982-83	1733	10.38	7101700277	16.51
18.	1983-84	1743	0.57	7716681624	8.65
19.	1984-85	2158	23.81	9230461624	19.62
20.	1985-86	2404	11.38	10312277228	11.72
21.	1986-87	2665	10.86	11760919879	14.05
22.	1987-88	2752	3.26	11669161619	(-)0.78
23.	1988-89	3026	9.96	13050483244	11.84
24.	1989-90	3070	1.45	14589584658	11.79
25.	1990-91	3465	12.87	16093096300	10.31
26.	1991-92	3703	6.87	17750070152	10.3
27.	1992-93	3916	5.75	19226627211	8.32
28.	1993-94	4170	6.49	21205973062	10.29
29.	1994-95	4434	6.33	22934971453	8.15
30.	1995-96	4576	3.20	23399773651	2.03
31.	1996-97	5022	9.75	✧ 20984692565	-10.32
32	1997-98	5742	14.34	✧ 24010636901	14.7
33	1998-99	6480	12.85	✧ 25546796457	6.40
34	1999-00	6684	3.15	25802628926	1.00
35	2000-01	7143	6.87	26975770000	4.55
36	2001-02	7029	-1.60	29402210000	8.99
37	2002-03	6895	-1.91	31630770000	7.58
38	2003-04	7441	7.92	34445090000	8.90
39	2004-05	7613	2.31	40090230000	16.39
40	2005-06	8239	8.22	40851410000	1.90
41	2006-07	8641	4.88	44850000000	9.79
42	2007-08	9162	6.03	48390420000	7.89
43	2008-09	9997	9.11	53215360000	9.97
44	2009-10	10880	8.83	59118390000	11.09
45	2010-11	11829	8.72	62618770000	5.92
46	2011-12	11972	1.21	69955051000	11.72
47	2012-13	11630	-2.86	67604180000	-3.36
48	2013-14	13162	13.17	73126200000	8.17
49	2014-15 upto May 2014	12446	-5.44	15560240000	-78.72
50	2014-15 Residual AP(FromJune 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

Note : ✧ reconciled figure

APPENDIX-III

LENGTH OF 11 KV AND LT LINES AND THE SALE OF POWER PER KILOMETER OF LENGTH SINCE THE FORMATION OF A.P GRID

Sl.No.	At the end of the Year	Length of 11kV (KM)	Length of L.T (KM)	Total Length 11kV and L.T (KM)	Sales per KM of 11kV and LT Lines (KWH/KM)
1	31-03-1967	20068	25513	45581	22396
2	31-03-1968	21112	28215	49327	27050
3	31-03-1969	25298	33863	59160	28189
4	31-03-1970	29221	41376	70597	27217
5	31-03-1971	33185	49484	82669	26414
6	31-03-1972	36818	56089	92907	25077
7	31-03-1973	40754	61990	102744	21150
8	31-03-1974	42523	65917	108440	22863
9	31-03-1975	43394	67609	111003	23199
10	31-03-1976	45517	70596	116113	24064
11	31-03-1977	49417	77916	127333	26963
12	31-03-1978	53678	88888	142567	25112
13	31-03-1979	57472	96898	154369	28087
14	31-03-1980	62427	106681	169108	26759
15	31-03-1981	67474	117430	184904	27607
16	31-03-1982	70853	126658	197511	30861
17	31-03-1983	74408	137196	211604	33561
18	31-03-1984	78875	147087	225962	34150
19	31-03-1985	84387	164319	248706	37114
20	31-03-1986	91087	183467	274554	37560
21	31-03-1987	96470	202588	299058	39327
22	31-03-1988	102979	226746	329725	35390
23	31-03-1989	110960	246610	357571	36498
24	31-03-1990	117460	266020	383480	38045
25	31-03-1991	123467	287197	410663	39188
26	31-03-1992	131110	311177	442287	40132
27	31-03-1993	137225	335984	473209	40630
28	31-03-1994	142901	361474	504375	42321
29	31-03-1995	148101	382270	530371	43420
30	31-03-1996	150540	392787	543327	43148
31	31-03-1997	153408	397627	551035	43785
32	31-03-1998	156875	404622	561497	42783
33	31-01-1999	160813	411673	572486	36743
33	31-03-1999	162087	414542	576629	53199
34	31-03-2000	166488	424277	590765	43677
35	31-03-2001	169893	431711	601604	44840
36	31-03-2002	172882	438160	611042	48118
37	31-03-2003	178321	467313	645633	48992
38	31-03-2004	186988	473928	660916	51571
39	31-03-2005	202547	486191	688738	54618
40	31-03-2006	215008	504820	719829	55085
41	31.03.2007	224688	513166	737854	60784
42	31.03.2008	234148	517685	751833	64284
43	31.03.2009	259899	527852	787751	67553
44	31.03.2010	260406	532656	793062	74470
45	31.03.2011	270167	542716	812883	77033
46	31.03.2012	280160	551960	832119	84098
47	31.03.2013	290219	559840	850059	79529
48	31.03.2014	300931	566392	867323	84313
49	31.03.2015*	184499	288769	473268	85844
50	31.03.2016	192081	296983	489064	88261
51	31.03.2017	217701	320569	538270	87646
52	31.03.2018	226013	327044	553057	89688
53	31.03.2019	235630	343678	579308	94855
54	31.03.2020	247890	351920	599810	93557

* Residual AP

APPENDIX -IV as on 31-3-2020

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	5	2500							**5**	**2500**
315.00	33	10395							**33**	**10395**
160.00	1	160	39	6240.00					**40**	**6400**
100.00	3	300	127	12700.00					**130**	**13000**
80.00			4	320.00	5	400.00			**9**	**720**
60.00				0.00					**0**	**0**
50.00			64	3200.00	95	4750.00			**159**	**7950**
31.50			69	2173.50	233	7339.50			**302**	**9513**
30.00						0.00			**0**	**0**
25.00			32	800.00	7	175.00			**39**	**975**
20.00						0.00			**0**	**0**
16.00			11	176.00	116	1856.00			**127**	**2032**
15.00				0.00	7	105.00			**7**	**105**
12.50							2	25	**2**	**25**
10.00						0.00	22	220	**22**	**220**
8.00							761	6088	**761**	**6088**
7.50							7	53	**7**	**53**
5.00							2994	14970	**2994**	**14970**
3.15							384	1210	**384**	**1210**
3.00							20	60	**20**	**60**
1.60							3	5	**3**	**5**
1.50							3	5	**3**	**5**
0.50							1	1	**1**	**1**
	42	**13355**	**346**	**25609.5**	**463**	**14625.50**	**4197**	**22635**	**5048**	**76225**

APPENDIX -V Voltage wise as on 31-3-2020

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	5	2500													**5**	**2500**
315.00	33	10395													**33**	**10395**
160.00			38	6080	1	160.0	1	160.0							**40**	**6400**
100.00			130	13000											**130**	**13000**
80.00									9	720					**9**	**720**
60.00															**0**	**0**
50.00					6	300	5	250	148	7400	0	0			**159**	**7950**
31.50			2	63	13	410	7	220.5	280	8820					**302**	**9513**
30.00															**0**	**0**
25.00			1	25	1	25	27	675	8	200	2	50			**39**	**975**
16.00									123	1968	4	64			**127**	**2032**
15.00									7	105					**7**	**105**
12.50													2	25	**2**	**25**
10.00													22	220	**22**	**220**
8.00													761	6088	**761**	**6088**
7.50													7	53	**7**	**53**
5.00													2994	14970	**2994**	**14970**
3.15													384	1210	**384**	**1210**
3.00													20	60	**20**	**60**
1.60													3	4.8	**3**	**5**
1.50													3	4.5	**3**	**5**
0.50													1	0.5	**1**	**1**
	38	**12895**	**171**	**19168**	**21**	**895**	**40**	**1306**	**575**	**19213**	**6**	**114**	4197	**22635**	**5048**	**76225**

APPENDIX - VI DISTRIBUTION TRANSFORMERS AS ON 31-3-2020

Sl. No	Name of the Circle	3 Phase Distribution Transformers																								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	50	25	16	15	10	5	Total	Capacity		
1	Srikakulam				0	0	3	0	0	15	0	148	0	0	2176	9	2479	34	899	0	2262	3872	0	11897	558989		0	1021	6750	14	5	7790	117751	19687	676740
2	Vizianagaram				4	2	13	0	0	19	4	313	0	0	2232	12	2348	34	1011	0	2864	3854	0	12710	609953		0	951	4876	82	7	5916	89211	18626	699164
3	Visakhapatnam				59	20	354	0	0	97	19	2295	82	0	6570	53	4764	61	3049	0	4565	5873	33	27894	1851265		0	0	7174	609	1	7784	113705	35678	1964970
4	East Godavari				0	0	82	0	0	110	10	1312	7	0	8791	82	6241	188	6463	0	9736	12305	536	45863	2260973		0	2994	13100	362	49	16505	248269	62368	2509242
5	West Godavari				19	9	83	0	0	76	13	1169	5	0	8403	66	8830	178	15693	0	24703	22344	5	81596	3261949		0	2806	11926	184	94	15010	226096	96606	3488045
	EPDCL Total				**82**	**31**	**535**	**0**	**0**	**317**	**46**	**5237**	**94**	**0**	**28172**	**222**	**24662**	**495**	**27115**	**0**	**44130**	**48248**	**574**	**179960**	**8543129**		**0**	**7772**	**43826**	**1251**	**156**	**53005**	**795032**	**232965**	**9338161**
6	Vijayawada	**0**	**0**	**0**	11	0	630	0	0	247	14	2550	0	0	10606	127	8354	262	514		27650	8447	1110	**60522**	**3378043**	**0**	7	3024	11661	224	538	**15454**	**228404**	**75976**	**3606447**
7	Guntur	**1**	**4**	**0**	54	0	451	1	0	228	15	1477	3	2	9383	99	5759	186	238		25205	11344	0	**54450**	**2819001**	**0**	0	0	13699	108	312	**14119**	**208125**	**68569**	**3027126**
8	Ongole	**0**	**0**	**0**	15	10	99	10	0	77	11	646	1	3	6127	22	5086	20	90		42007	16614	605	**71443**	**2633410**	**0**	0	2308	10400	278	448	**13434**	**197948**	**84877**	**2831358**
9	Nellore	**0**	**1**	**0**	10	2	241	0	4	141	13	1030	0	2	7408	17	6914	38	113		28760	23737	676	**69107**	**2789118**	**5**	29	2330	11234	87	347	**14032**	**209370**	**83139**	**2998488**
10	Tirupati	**0**	**0**	**0**	7	0	291	1	0	95	7	773	0	0	5973	56	2629	41	165		55622	36482	13881	**116023**	**3454684**	**0**	0	0	16334	419	587	**17340**	**252135**	**133363**	**3706819**
11	Kadapa	**0**	**0**	**0**	14	1	65	0	0	68	2	520	3	0	4546	9	2131	25	248		52408	46200	0	**106240**	**2950448**	**0**	0	0	11267	45	394	**11706**	**171425**	**117946**	**3121873**
12	Anantapur	**0**	**0**	**0**	8	0	59	0	0	39	8	603	0	0	7042	125	4246	241	19		76967	18380	4	**107741**	**3591779**	**0**	814	2266	8604	6350	0	**18034**	**249166**	**125775**	**3840945**
13	Kurnool	**0**	**0**	**0**	0	0	56	0	0	19	14	787	1	0	4765	51	3801	208	88		48153	8046	15	**66004**	**2438022**	**0**	1040	1393	7898	5351	0	**15682**	**220268**	**81686**	**2658290**
	SPDCL Total	**1**	**5**	**0**	**119**	**13**	**1892**	**12**	**4**	**914**	**84**	**8386**	**8**	**7**	**55850**	**506**	**38920**	**1021**	**1475**	**0**	**356772**	**169250**	**16291**	**651530**	**24054505**	**5**	**1890**	**11321**	**91097**	**12862**	**2626**	**119801**	**1736841**	**771331**	**25791346**
	Total for DISCOMs			**0**	**201**	**44**	**2427**	**12**	**4**	**1231**	**130**	**13623**	**102**	**7**	**84022**	**728**	**63582**	**1516**	**28590**	**0**	**400902**	**217498**	**16865**	**831490**	**32597634**		**1890**	**19093**	**134923**	**14113**	**2782**	**172806**	**2531873**	**1004296**	**35129507**
1	Chipurupalli			**0**	0	0	0	0	0	0	0	39	0	0	456	0	513	0	9		22	0	0	**1039**	**85069**		0	0	191	0	0	**191**	**2865**	**1230**	**87934**
2	Anakapalli			**0**	0	0	0	0	0	0	0	83	0	0	2194	0	193	0	98		50	0	0	**2618**	**250009**		0	0	45	0	0	**45**	**675**	**2663**	**250684**
3	Kuppam			**0**	0	0	0	0	0	9	14	37	0	0	1192	11	404	31	0		6118	2750	247	**10813**	**358652**		420	921	215	81	0	**1637**	**29271**	**12450**	**387923**
	RESCO total			**0**	**0**	**0**	**0**	**0**	**0**	**9**	**14**	**159**	**0**	**0**	**3842**	**11**	**1110**	**31**	**107**	**0**	**6190**	**2750**	**247**	**14470**	**693730**		**420**	**921**	**451**	**81**	**0**	**1873**	**32811**	**16343**	**726541**
	STATE TOTAL			**0**	**201**	**44**	**2427**	**12**	**4**	**1240**	**144**	**13782**	**102**	**7**	**87864**	**739**	**64692**	**1547**	**28697**	**0**	**407092**	**220248**	**17112**	**845960**	**33291364**		**2310**	**20014**	**135374**	**14194**	**2782**	**174679**	**2564684**	**1020639**	**35856048**

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

* From 2015 the data is for Residual AP

APPENDIX - VIII

SERVICES AND CONNECTED LOAD AS ON 31-03-2020

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 2019-20	Nos.	18233	6496	248	71	1006	**26054**	71	**26125**
b)	Services as on 31-03-2020	Nos.	731328	64174	2728	16370	26192	**840792**	413	**841205**
c)	Connected Load as on 31-03-2020	KW	351704	103296	64505	24094.0	87790.40	**631389**	191721	**823111**
2	**VIZIANAGARAM**									
a)	Services released during 2019-20	Nos.	13171	4926	244	28	1637	**20006**	28	**20034**
b)	Services as on 31-03-2020	Nos.	582801	54243	2377	10972	43870	**694263**	344	**694607**
c)	Connected Load as on 31-03-2020	KW	370311	98299.43	46112	17006.40	105430.92	**637160**	330780	**967940**
3	**VISAKHAPATNAM**									
a)	Services released during 2019-20	Nos.	40794	10095	175	45	2226	**53335**	45	**53380**
b)	Services as on 31-03-2020	Nos.	1239247	137847	3519	21560	42826	**1444999**	1489	**1446488**
c)	Connected Load as on 31-03-2020	KW	1591160	405108.59	71483	43729.97	125068	**2236550**	1379844	**3616394**
4	**EAST GODAVARI**									
a)	Services released during 2019-20	Nos.	44312	13279	613	88	1245	**59537**	88	**59625**
b)	Services as on 31-03-2020	Nos.	1504853	164577	6146	30514	48969	**1755059**	1079	**1756138**
c)	Connected Load as on 31-03-2020	KW	1371560	317968.69	117596.8	55917.59	556509	**2419552**	567827	**2987379**
5	**WEST GODAVARI**									
a)	Services released during 2019-20	Nos.	39543	10837	1909	83	2149	**54521**	83	**54604**
b)	Services as on 31-03-2020	Nos.	1157251	131885	4293	24740	102530	**1420699**	825	**1421524**
c)	Connected Load as on 31-03-2020	KW	1151097	256433	98440	54359	1291164	**2851493**	548041	**3399534**
	TOTAL EPDCL									
a)	**Services released during 2019-2020**	**Nos.**	**156053**	**45633**	**3189**	**315**	**8263**	**213453**	**315**	**213768**
b)	**Services as on 31-03-2020**	**Nos.**	**5215480**	**552726**	**19063**	**104156**	**264387**	**6155812**	**4150**	**6159962**
c)	**Connected Load as on 31-03-2020**	**KW**	**4835832**	**1181106**	**398137**	**195107**	**2165963**	**8776145**	**3018214**	**11794359**
6	**KRISHNA**									
a)	Services released during 2019-20	Nos.	144374	19676	1626	354	4293	170323	125	**170448**
b)	Services as on 31-03-2020	Nos.	1477242	185446	11854	45869	116039	1836450	1972	**1838422**
c)	Connected Load as on 31-03-2020	KW	2161550	552052	308177	338313	578575	3938667	488947	**4427614**
7	**GUNTUR**									
a)	Services released during 2019-20	Nos.	70987	10078	936	296	4943	**87240**	152	**87392**
b)	Services as on 31-03-2020	Nos.	1663480	181100	11783	37061	108163	**2001587**	1947	**2003534**
c)	Connected Load as on 31-03-2020	KW	1862555	445026	357326	251212	573470	**3489589**	663952	**4153541**
8	**PRAKASAM**									
a)	Services released during 2019-20	Nos.	43376	4944	710	236	7023	**56289**	104	**56393**
b)	Services as on 31-03-2020	Nos.	1057581	96793	8134	26773	188813	**1378094**	1235	**1379329**
c)	Connected Load as on 31-03-2020	KW	955577	210673	298695	181845	969348	**2616138**	292097	**2908235**
9	**NELLORE**									
a)	Services released during 2019-20	Nos.	32936	6052	933	280	6127	**46328**	47	**46375**
b)	Services as on 31-03-2020	Nos.	1076800	104882	7216	62422	180864	**1432184**	953	**1433137**
c)	Connected Load as on 31-03-2020	KW	1036243	221755	178090	441989	966160	**2844236**	427894	**3272130**
10	**CHITTOOR**									
a)	Services released during 2019-20	Nos.	48384	8197	1533	354	3703	**62171**	126	**62297**
b)	Services as on 31-03-2020	Nos.	1256279	130912	11993	54194	321248	**1774626**	1548	**1776174**
c)	Connected Load as on 31-03-2020	KW	1421455	338215	269775	301503	2182080	**4513028**	675098	**5188126**

11	**KADAPA**									
a)	Services released during 2019-20	Nos.	29403	5034	1439	264	4804	**40944**	36	**40980**
b)	Services as on 31-03-2020	Nos.	867678	83366	6313	29624	168309	**1155290**	703	**1155993**
c)	Connected Load as on 31-03-2020	KW	858469	177323	172838	167222	1201210	**2577062**	363819	**2940881**
12	**ANANTAPUR**									
a)	Services released during 2019-20	Nos.	52832	6686	1351	202	10877	**71948**	76	**72024**
b)	Services as on 31-03-2020	Nos.	1172706	112678	8979	34455	277381	**1606199**	965	**1607164**
c)	Connected Load as on 31-03-2020	KW	696283	216162	257607	209762	1663004	**3042818**	766850	**3809667.1**
13	**KURNOOL**									
a)	Services released during 2019-20	Nos.	52790	7023	1138	274	15543	**76768**	88	**76856**
b)	Services as on 31-03-2020	Nos.	1117632	116183	9569	24187	187172	**1454743**	848	**1455591**
c)	Connected Load as on 31-03-2020	KW	623419	204769	283695	151414	887455	**2150752**	698570	**2849321.6**
	TOTAL (SPDCL+CPDCL)									
a)	**Services released during 2019-20**	**Nos.**	**475082**	**67690**	**9666**	**2260**	**57313**	**612011**	**754**	**612765**
b)	**Services as on 31-03-2020**	**Nos.**	**9689398**	**1011360**	**75841**	**314585**	**1547989**	**12639173**	**10171**	**12649344**
c)	**Connected Load as on 31-03-2020**	**KW**	**9615551**	**2365973**	**2126203**	**2043259**	**9021302**	**25172289**	**4377227**	**29549515**
	TOTAL FOR A.P.STATE									
a)	**Services released during 2019-20**	**Nos.**	**631135**	**113323**	**12855**	**2575**	**65576**	**825464**	**1069**	**826533**
b)	**Services as on 31-03-2020**	**Nos.**	**14904878**	**1564086**	**94904**	**418741**	**1812376**	**18794985**	**14321**	**18809306**
c)	**Connected Load as on 31-03-2020**	**KW**	**14451383**	**3547079**	**2524341**	**2238366**	**11187265**	**33948433**	**7395440**	**41343874**

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

APPENDIX IX- CATEGORY-WISE SERVICES AS ON 31.3.2020
(INCLUDING R.E.S.CO-OPERATIVES)

S.No.	DISTRICT	L.T.CATEGORY						H.T.	TOTAL
		I	II	III	IV	V	Total LT		
1	SRIKAKULAM	731328	64174	2728	16370	26192	840792	413	841205
2	VIZIANAGARAM	582801	54243	2377	10972	36551	686944	344	687288
3	VISAKHAPATNAM	1239247	137847	3519	21560	30891	1433064	1489	1434553
4	EAST GODAVARI	1504853	164577	6146	30514	48969	1755059	1079	1756138
5	WEST GODAVARI	1157251	131885	4293	24740	102530	1420699	825	1421524
	TOTAL APEPDCL	**5215480**	**552726**	**19063**	**104156**	**245133**	**6136558**	**4150**	**6140708**
6	KRISHNA	1477242	185446	11854	45869	116039	1836450	1972	1838422
7	GUNTUR	1663480	181100	11783	37061	108163	2001587	1947	2003534
8	PRAKASAM	1057581	96793	8134	26773	188813	1378094	1235	1379329
9	NELLORE	1076800	104882	7216	62422	180864	1432184	953	1433137
10	CHITTOOR	1256279	130912	11993	54194	288158	1741536	1548	1743084
11	KADAPA	867678	83366	6313	29624	168309	1155290	703	1155993
12	ANANTAPUR	1172706	112678	8979	34455	277381	1606199	965	1607164
13	KURNOOL	1117632	116183	9569	24187	187172	1454743	848	1455591
	TOTAL APSPDCL	**9689398**	**1011360**	**75841**	**314585**	**1514899**	**12606083**	**10171**	**12616254**
	RESCOs								
1	**ANAKAPALLE**	142299	11625	1073	268	11935	**167200**		**167200**
2	**CHIPURUPALLI**	51696	3803	428	1114	7319	**64360**		64360
3	**KUPPAM**	79408	6164	498	2957	33090	**122117**		122117
	TOTAL	**273403**	**21592**	**1999**	**4339**	**52344**	**353677**		**353677**
	TOTAL FOR A.P.	**15178281**	**1585678**	**96903**	**423080**	**1812376**	**19096318**	**14321**	**19110639**

APPENDIX -X

DISCOM - WISE ENERGY SALES DURING 2019-20 (MU) LT & HT

Category		Units (in MU)		Total units (in MU)
		EPDCL	SPDCL	
I	**LT**			
	Domestic	5912.11	9668.59	15580.70
	Commercial/Non Domestic	1145.76	1973.48	3119.24
	Industrial	410.19	1006.03	1416.22
	Institutional	333.80	868.45	1202.25
	Agriculture	3798.61	10493.62	14292.23
	Total LT (I)	**11600.47**	**24010.17**	**35610.64**
II	**HT**			
	Townships & colonies Cat-I	30.57	23.24	53.81
	Commercial & others Cat-II	801.17	978.7	1779.87
	General Industries Cat-III	6892.15	6939.32	13831.47
	Institutional(Religious, Rly,PWS) Cat-IV	892.14	963.40	1855.54
	Agricultaral	361.04	1790.80	2151.84
	Rescos	380.18	452.96	833.14
	Total HT (II)	**9357.25**	**11148.42**	**20505.67**
	Total LT + HT (I + II)	**20957.72**	**35158.59**	**56116.31**

APPENDIX XI

Percapita consumption All figures in Kwh (Units)

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

Sl. No	District	2018-19				2019-20			
		Domestic	Agricultural	Industrial (Including cottage and H.T)	All Categories	Domestic	Agricultural	Industrial (Including cottage and H.T)	All Categories
1	Srikakulam	189	36	181	515	210	37	138	496
2	Vizianagaram	189	35	705	1056	209	45	590	979
3	Visakhapatnam	333	26	957	1670	364	105	901	1588
4	East Godavari	318	101	245	837	355	391	160	848
5	West Godavari	334	348	476	1419	372	131	217	1433
6	Krishna	400	145	392	1060	449	298	296	1142
7	Guntur	342	145	424	1001	387	150	371	985
8	Prakasam	240	253	333	891	267	277	287	882
9	Nellore	335	284	672	1377	370	465	477	1378
10	Chittoor	247	479	405	1353	281	550	302	1187
11	Cuddapah	254	570	291	1206	208	627	365	1245
12	Anantapur	188	622	302	1189	242	482	221	985
13	Kurnool	216	498	226	1015	269	429	470	1343
ANDHRA PRADESH					1234(*)				1203(*)

(*) State Per capita

APPENDIX - XII		
SCHEMEWISE CAPITAL OUTLAY - APTRANSCO FOR FY 2019-20		
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 Transformer Bay at Vemagiri	
6	125 MVAR Bus reactor at sattenapalli	
7	Erection portion of 315 MVA Transformar at manubolu	
8	400 KV SS at Gudivada Land acquisition	10.57
9	survey of 400 KV DC line from Gudivada to Ch.Pet	
10	400/220 KV S.S at tallayapalem	14.45
11	500 MVA Transformer at Manubolu	0.38
12	PE-12-04 Rayalaseema (Stage-IV) Power Trans. scheme	0.48
13	400/220 KV Talaricheruvu SS & 400 KV twin RTPP - Peddajangampalli	26.28
14	LILOof 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	400/220/132 KV Rachagunneri SS	126.5
18	RNV & UG of Prot SYS CETRANS	0
19	Bay for 3rd 315 MVA & 80 MVA react at JMD	9.67
20	Indent for Thermovisio scanner	0.06
21	Indent for Drawls telecom panels 400 CTR	0.08
22	Kurnool 400 KV QUAD bat 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 kalapaka 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 Marada, (Garividi)	1.19
27	400 KV Polavaram HPS-Guddigudem QMDC Line	0.01
28	Civil, Const., Erection, Tresting & Commng. Of bay extn of 125 MVAR Bus reactor at 400 KV Vemagiri SS & 125 MVAR bus reactor at vemagiri	1.35
29	orders paid to & 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**

Appendix - XIII

CONSOLIDATED BALANCE SHEET (T + D)

CONSOLIDATED BALANCE SHEET FOR THE YEAR 2019-20

(Rs. In Crs)

Schedule Note	APTransco	EPDCL	SPDCL	As at 31st March 2019
NET ASSETS :				
Net Fixed Assets				
Gross Block	13587.96	5677.48	18520.68	37786.12
Less: Accumulated Depreciation	(5025.91)	(1494.59)	(8933.19)	(15453.69)
Net Fixed Assets	**8562.05**	**4182.89**	**9587.49**	**22332.43**
Capital Expenditure in progress	2594.60	469.71	2590.77	5655.08
Assets not in use	571.12	4078.75	339.44	4989.31
Deferred Costs / Deferred Tax Asset	0.00	0.00	0.00	0.00
Intangible Assets	0.00	0.00	0.08	0.08
Investments	141.33	226.47	286.93	654.73
Total Current Assets	2512.61	4995.44	23604.88	31112.93
Less:Total Current Liabilities				
Security deposits from consumers	0.00	2003.19	**3083.64**	**5086.83**
Other current Liabilities	2202.70	**7463.79**	**24315.27**	**33981.76**
Total Current Liabilities	**2202.70**	**9466.98**	**27398.91**	**39068.59**
Net Current Assets	**309.91**	**(4471.54)**	**(3794.03)**	**(7955.66)**
Subsidy Receivable from Government	0.00	0.00	0.00	0.00
Accumulated Deficit	0.00	0.00	0.00	0.00
NET ASSETS	**12179.01**	**4486.28**	**9010.68**	**25675.97**
FINANCED BY:				
Borrowings for working capital	917.26	385.30	4353.56	5656.12
Payments due on Capital Liabilities	0.00	0.00	0.00	0.00
Capital Liabilities				
Long term Provisions	562.23	684.17	2688.10	3934.50
Other Long term Liabilities	5648.88	5901.30	14344.49	25894.67
Funds from State Government	387.10	87.88	9.48	484.46
GOAP equity	454.44	121.23	358.72	934.39
Contributions, Grants and Subsidies towards cost of Capital Assets	1343.73	5167.69	8108.94	14620.36
Reserve and Reserve Funds	1336.57	(169.14)	319.30	1486.73
Deferred Tax Liability	109.92	2.20	0.00	112.12
Surplus	1418.88	(7694.35)	(21171.91)	(27447.38)
TOTAL FUNDS	**12179.01**	**4486.28**	**9010.68**	**25675.97**

Appendix -XIV

Consolidated Profit and Loss Account for the year 2019-20

(Rs. in Crores)

Particulars	TRANSCO	EPDCL	SPDCL	Total (D)	Total (T+D)
A. Revenue					
Revenue from sale of power	0.00	10359.46	17455.02	27814.48	27814.48
Transmission & SLDC Charges-Discoms	0.00	0.00	0.00	0.00	0.00
Transmission & SLDC Charges (Annual fee, Open Access)	2020.93	0.00	0.00	0.00	2020.93
Inter State Sale of Power / UI Charges	0.00	3.74	7.18	10.92	10.92
Capital Contributions	67.83	239.58	413.81	653.39	721.22
Less:Electricity Duty	0.00	105.46	155.44	260.90	260.90
	2088.76	**10497.32**	**17720.57**	**28217.89**	**30306.65**
Revenue Subsidies and Grants	0.00	1340.92	8359.96	9700.88	9700.88
Other Income	134.01	1010.45	1525.55	2536.00	2670.01
Total Revenue:	**2222.77**	**12848.69**	**27606.08**	**40454.77**	**42677.54**
B. Operating expenses:					
Purchase of power	0.00	10062.23	21022.16	31084.39	31084.39
Transmission & SLDC charges	0.00	0.00	0.00	0.00	0.00
Operation & Maintenance Expenses	215.51	297.73	454.25	751.98	967.49
Employee costs	705.53	1590.16	3664.50	5254.66	5960.19
Administration & General Expenses	79.86	85.09	261.59	346.68	426.54
Depreciation	681.68	447.69	1034.05	1481.74	2163.42
Incentive to HT consumers	0.00	0.00	0.00	0.00	0.00
Interest and Finance Charges	633.72	597.29	1413.77	2011.06	2644.78
sub-total	**2316.30**	**13080.19**	**27850.32**	**40930.51**	**43246.81**
Less: Expenses Capitalised					
R&M, Employee costs, Adm, etc.	92.47	79.14	138.61	217.75	310.22
Interest and Finance Charges	94.46	0.00	106.73	106.73	201.19
	186.93	**79.14**	**245.34**	**324.48**	**511.41**
Other debits (Misc.write offs etc.)	0.05	0.00	0.00	0.00	0.05
Expenditure on cyclone works (Net)	0.00	0.00	0.00	0.00	0.00
sub-total	0.05	0.00	0.00	0.00	0.05
Total Expenditure	**2129.42**	**13001.05**	**27604.98**	**40606.03**	**42735.45**
Contingency Reserve	0.00	0.00	0.00	0.00	0.00
Net prior period Charges/(Credits)	0.00	0.00	0.00	0.00	0.00
Profit / (Loss) Before Tax	**93.35**	**(152.36)**	**1.10**	**(151.26)**	**(57.91)**
Extraordinary Items		0.00	0.00	0.00	0.00
MAT Credit entitlement of earlier years	7.24	0.00	0.00	0.00	7.24
Provision for Income Tax & FBT	7.24	0.00	0.00	0.00	7.24
Provision for Deferred Tax	(21.68)	0.00	0.00	0.00	(21.68)
Profit / (Loss) After Tax	**115.03**	**(152.36)**	**1.10**	**(151.26)**	**(36.23)**
Net surplus (+)/loss(-)	**115.03**	**(152.36)**	**1.10**	**(151.26)**	**(36.23)**

Appendix -XV

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

(Rs. in Crores)

Particulars	This Year 2018-19 T &D (EPDCL,SPDCL)	This Year 2019-20 T &D (EPDCL,SPDCL)
Balance brought forward from last year	**(16033.23)**	**(27411.15)**
Surplus/(Deficit) from Revenue Account	(11864.25)	(36.23)
Reserves & Surplus (On Demerger)		
CREDITS :		
Transfer from General Reserve		
APPROPRIATIONS :		
Provision for Deferred Tax liability		
Contingency Reserve		
Adjustment against accumulated losses		
Contribution to Reserve and Reserve Funds	580.85	
Sinking Fund for Repayment of borrowings		
General Reserve		
Special safety Reserve		
Balance carried forward	**(27286.63)**	**(27447.38)**

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

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