

SALIENT FEATURES OF A.P.TRANSCO / A.P.GENCO / DISCOMS

Sl. No.	Parameter	Unit	As on 31.03.2017 (Provl) AP	FY 2017-18	As on 28.02.2018 (Provl)
1	Installed Capacity (As per Share)				
	a) A.P.GENCO				
1	Thermal	MW	2348.15	461.85	2810.00
2	Hydel	MW	1721.29	76.31	1797.60
3	Wind	MW	0.00		0.00
4	Solar	MW	5.426		5.43
	AP Power Development Corp. Ltd	MW	1600.00		1600.00
	TOTAL A.P.GENCO	MW	5674.87	538.16*	6213.03
*Due to power regulation by AP to TS and TSGENCO to APDISCOMS the power is not being scheduled to APDISCOMS from TSGENCO with effect from 11/06/2017					
	b) Joint Sector				
1	Gas (A.P.G.P.C.L) 58.8x58.32 %	MW	34.29		34.29
	c) Private Sector				
1	Thermal (Coal)	MW	0.00		0.00
2	IPPs	MW	2849.49	-741.44	2108.05
3	Small Hydro	MW	87.44	0.00	87.44
4	Wind	MW	3801.09	103.60	3904.69
5	Bagasse , Bio-mass Co-Generation projects & Bio mass	MW	430.34	0.00	430.34
6	Mini power Plants	MW	82.00	-64.80	17.20
7	Others Iso.Gas Wells+Waste Heat+Municipal waste)	MW	67.20	-27.04	40.16
8	Solar	MW	1874.95	262.00	2136.95
	TOTAL PRIVATE SECTOR	MW	9192.51	-467.68	8724.83
	d) Share from Central Sector				
1	N.T.P.C Ramagundam -(1-6)	3x200+ 3x500	306.11	128.63	434.74
2	N.T.P.C Ramagundam -7	1x500	76.73	31.34	108.07
3	N.T.P.C.Talcher Stage II (Units 3,4,5&6)	4 x 500	193.43	39.37	232.80
4	Simhadri TPS (NTPC) -Stg 1	2 x 500	461.11	-0.01	461.10
5	Simhadri TPS (NTPC) -Stg 2	2 x 500	212.00	54.90	266.90
6	Neyveli (Tamilnadu)stage-I	630	50.04	-2.44	47.60
7	Neyveli (Tamilnadu)stage-II	840	90.06	-3.19	86.87
8	Vallur Stage 1 ,2 & 3	3x500	92.58	-4.65	87.93
9	Tuticorin , Tamilnadu Unit 1	1x500	128.05	-4.90	123.15
10	M.A.P.P (Tamilnadu)	440	19.15	-0.73	18.42
11	Kaiga Nuclear power plant I & II	2 x 220	58.95	-2.74	56.21
12	Kaiga Nuclear power plant III & IV	2 x 220	62.64	-2.72	59.92
13	Kudankulam Unit1	1x1000	0.00	0.00	0.00
14	NTPC (Kudgi)	1x800	0.00	271.84	271.84
15	Westren region bundled power		0.00	75.00	75.00
	Total Central Sector		1750.85	579.70	2330.55
	Total (A.P.GENCO + Private + Central)	MW	16652.52	650.18	17302.70
2	Energy Generated (cumulative)				
			2016-17		As on 28.02.2018 (Provl)
1	Thermal	MU	24720.38		18138.82
2	Hydel	MU	2312.42		2379.82
	TOTAL	MU	27032.80		20518.64
3	Energy purchased and imported (Including Other's energy handled)	MU	28127.49		32731.22
4	Grid Consumption (2+3)	MU	55160.29		53249.86
5	Maximum demand during the year (At Generation Terminal) MW	MW	7965 (23-08-2016)		8909 (28/02/2018)
6	Max. grid consumption during the year MU	MU	178.15 (23-08-2016)		178.43 (22/02/2018)
7	Per capita consumption	Kwh	987 (2015-16)		1085 (2016-17)

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	Transmission Lines		As on 31.03.2017 (Provl) AP	FY 2017-18	As on 28.02.2018 (Provl)	
8	a) 400 kV	Ckm	3606.79*	914.58	4521.37	
	b) 220 kV	Ckm	10548.69*	445.55	10994.24	
	c) 132 kV	Ckm	10091.43*	480.03	10571.46	
	DISCOM's Lines					
	d) 33 kV	km	24803.48	424.52	25228.00	
	e) 11 kV	km	217700.67	7139.69	224840.36	
	f) LT	km	320569.04	5671.39	326240.43	
	TOTAL			587320.10	15075.76	602395.86
9	APTRANSCO's Sub - stations					
	a) 400 kV	Nos.	10	0	10	
	b) 220 kV	Nos.	87	4	91	
	c) 132 kV	Nos.	192*	9	201	
	DISCOM's Sub - stations					
	d) 33 kV	Nos.	2766	115	2881	
	TOTAL			3055	128	3183
10	Distribution Transformers (including RESCO) Up to January-18		Nos.	769642	56027	825669
11	Electrification of Towns, Villages, Hamlets, etc., (as per 2011 Census)					
	a) Towns	Nos.	112		112	
	b) Villages	Nos.	16449		16449	
	c) Hamlets	24001 Nos.	23475	0	23475	
	d) Tribal Hamlets\ Habitations	6079 Nos.	5807	5	5812	
	e) Dalitwadass	37402 Nos.	36312	0	36312	
	f) Weaker Section Colonies	22378 Nos.	21725	0	21725	
12	Consumers Served					
	a) Domestic	Nos.	13885966	412744	14298710	
	b) Non-Domestic	Nos.	1254523	82952	1337475	
	c) Industrial	Nos.	144124	10036	154160	
	d) Cottage Industries	Nos.	16885	797	17682	
	e) Agricultural Services (including RESCOs)	Nos.	1657258	42172	1699430	
	f) Public Lighting / Local Bodies	Nos.	100209	3984	104193	
	g) General Purpose	Nos.	111788	8849	120637	
	h) Temporary	Nos.	2769	152	2921	
	L.T.Total		Nos.	17173522	561686	17735208
	H.T.Total		Nos.	8958	594	9552
	Grand Total		Nos.	17182480	562280	17744760

* Line lengths were reconciled with the data collected from Transmission wing