

**CENTRAL ELECTRICITY AUTHORITY
FUEL MANAGEMENT DIVISION**

ANNUAL REPORT ON FUEL SUPPLY/CONSUMPTION FOR GAS BASED POWER STATIONS IN THE COUNTRY FOR THE YEAR 2015-16

S. No	Name of Power Station	Installed Capacity (MW)	Name of the State	P/ I	Gen (MUS)	Gas Alloted (MMSCMD)						GAS SUPPLIED/CONSUMED (MMSCMD)								Alternate fuel used (KL)		Gen Loss due to short supply of Gas (MUS)
						APM (Firm)	Non APM/Others	RLNG		KGD-6 (Firm)	TOTAL	APM	NON APM/Others	KGD-6	RLNG			TOTAL	Naptha	HSD		
								LT/SPOT	E-bid						SPOT	LT	E-bid					
(A) CENTRAL SECTOR																						
1	NTPC, FARIDABAD CCPP	431.59	HARYANA	P	1100.66	1.95	0.49	0.2	0.00	0.35	2.99	0.60	0.05	0.00	0.00	0.00	0.00	0.65	0.00	256.5	0	
2	NTPC, ANTA CCPP	419.33	RAJASTHAN	P	941.95	1.71	0.43	0.5	0.00	0.24	2.88	0.50	0.07	0.00	0.01	0.02	0.00	0.60	15.00	0	0	
3	NTPC, AURAIYA CCPP	663.36	UTTAR PRADESH	P	1511.33	2.43	0.6	1	0.08	0.3	4.41	0.77	0.11	0.03	0.01	0.03	0.00	0.94	358.60	0	0	
4	NTPC, DADRI CCPP	829.78	UTTAR PRADESH	P	3000	2.93	0.72	0.3	0.20	0.86	5.01	1.33	0.16	0.20	0.01	0.00	0.00	1.70	0.00	0	0	
	Sub Total (NR)	2344.06			6553.94	9.02	2.24	2	0.29	1.75	15.30	3.20	0.39	0.22	0.02	0.05	0.00	3.88	373.60	256.50	0.00	
5	NTPC, GANDHAR(JHANORE)	657.39	GUJARAT	P	1120.00	0.6	0.00	0.00	0.00	0.63	1.23	0.60	0.00	0.00	0.00	0.00	0.00	0.60	0.00	0	0	
6	NTPC, KAWAS CCPP	656.2	GUJARAT	P	1212.40	2.19	0.35	0.00	0.00	2.08	4.62	0.70	0.01	0.00	0.00	0.00	0.00	0.71	0.00	0	0	
7	RATNAGIRI (RGPL)	1967	MAHARASHTRA	P	1247.43	0	0.9	0.00	1.36	7.6	9.86	0.00	0.00	0.00	0.00	0.00	0.65	0.65	0.00	0	14349	
	Sub Total (WR)	3280.59			3579.83	2.79	1.25	0	1.36	10.31	15.71	1.29	0.01	0.00	0.00	0.00	0.65	1.95	0.00	0.00	14349	
8	KATHALGURI (NEEPCO)	291	ASSAM	I	1759.17	1	0.4	0.00	0.00	0.00	1.4	0.99	0.35	0.00	0.00	0.00	0.00	1.34	0.00	0	142.99	
9	MONARCHAK (NEEPCO)	65.4	TRIPURA	I	88.46	0.50	0.00	0.00	0.00	0.00	0.5	0.08	0.00	0.00	0.00	0.00	0.00	0.08	0.00	0	0	
10	AGARTALA GT+ST (NEEPCO)	109.5	TRIPURA	I	854.39	0.75	0.00	0.00	0.00	0.00	0.75	0.06	0.64	0.00	0.00	0.00	0.00	0.70	0.00	0	0	
11	TRIPURA CCPP (ONGC)	726.6	TRIPURA	I	3480.74	2.65	0.00	0.00	0.00	0.00	2.65	1.91	0.00	0.00	0.00	0.00	0.00	1.91	0.00	0.00	0.00	
	Sub Total (NER)	1192.5			6182.76	4.9	0.4	0	0	0	5.3	3.04	0.99	0.00	0.00	0.00	0.00	4.03	0.00	0	142.99	
	Total (CS)	6817.15			16316.52	16.71	3.89	2	1.65	12.06	36.31	7.53	1.39	0.22	0.02	0.05	0.65	9.87	373.60	256.50	14491.99	
(B) STATE SECTOR																						
12	I.P.CCPP	270	DELHI	P	467.09	0.84	0.36	0.60	0.00	0.00	1.80	0.19	0.11	0.00	0.00	0.04	0.00	0.34	0.00	0.00	0	
13	PRAGATI CCGT-III	1500	DELHI	P	1911.00	0.00	1.56	0.00	0.00	0.93	2.49	0.15	0.81	0.00	0.01	0.06	0.00	1.03	0.00	0.00	0	
14	PRAGATI CCPP	330.4	DELHI	P	1502.65	1.75	0.30	0.20	0.00	0.00	2.25	0.63	0.01	0.00	0.14	0.06	0.00	0.84	0.00	0.00	0	
15	DHOLPUR CCPP	330	RAJASTHAN	P	660.62	0.00	1.50	0.00	0.00	0.10	1.60	0.23	0.00	0.00	0.01	0.00	0.00	0.24	0.00	0.00	569.69	
16	RAMGARH	273.8	RAJASTHAN	I	1508.07	0.75	0.70	0.00	0.00	0.00	1.45	0.00	1.50	0.00	0.00	0.00	0.00	1.50	0.00	0.00	0	
	Sub Total (NR)	2704.2			6049.42	3.34	4.42	0.80	0.00	1.03	9.59	1.21	2.43	0.00	0.15	0.16	0.00	3.94	0.00	0.00	569.69	
17	PIPAVAV CCPP	702	GUJARAT	P	25.80	0.00	0.00	0.00	0.21	0.00	0.21	0.00	0.00	0.00	0.00	0.00	0.03	0.03	0.00	0.00	0	
18	DHUVRAN CCPP(GSECL)	594.72	GUJARAT	P	416.93	0.20	0.05	0.25	0.13	0.44	1.07	0.08	0.00	0.00	0.00	0.00	0.15	0.23	0.00	0.00	0	
19	HAZIRA CCPP(GSEG)	156.1	GUJARAT	P	144.53	0.00	0.80	0.00	0.00	0.01	0.81	0.00	0.10	0.00	0.01	0.00	0.00	0.11	0.00	0.00	0	
20	HAZIRA CCPP EXT	351	GUJARAT	P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	
21	UTRAN CCPP(GSECL)	518	GUJARAT	P	1271.97	0.28	0.00	0.24	0.59	1.45	2.56	0.00	0.02	0.00	0.00	0.00	0.61	0.63	0.00	0.00	0	
22	URAN CCPP (MAHAGENCO)	672	MAHARASHTRA	P	2912.00	3.50	0.00	0.00	0.00	1.40	4.90	1.48	0.47	0.00	0.00	0.00	0.00	1.95	0.00	0.00	2409.00	
	Sub Total (WR)	2993.82			4771.23	3.98	0.85	0.49	0.93	3.30	9.55	1.56	0.59	0.00	0.01	0.00	0.79	2.94	0.00	0.00	2409.00	
23	KARAIKAL CCPP (PPCL)	32.5	PUDUCHERRY	I	227.01	0.18	0.00	0.00	0.00	0.00	0.18	0.17	0.00	0.00	0.00	0.00	0.00	0.17	0.00	0.00	10.97	
24	KOVIKALPAL	107	TAMIL NADU	I	401.22	0.45	0.00	0.00	0.00	0.00	0.45	0.28	0.00	0.00	0.00	0.00	0.00	0.28	0.00	0.00	376.00	
25	KUTTALAM (TANGEDCO)	100	TAMIL NADU	I	563.67	0.45	0.00	0.00	0.00	0.00	0.45	0.30	0.02	0.00	0.00	0.00	0.00	0.33	0.00	0.00	311.89	
26	VALUTHUR CCPP(Ramanand)	186.2	TAMIL NADU	I	721.19	0.45	0.24	0.00	0.00	0.00	0.69	0.40	0.00	0.00	0.00	0.00	0.00	0.40	0.00	0.00	0	
	Sub Total (SR)	425.7			1913.08	1.53	0.24	0.00	0.00	0.00	1.77	1.15	0.02	0.00	0.00	0.00	0.00	1.17	0.00	0.00	698.86	
27	LAKWA GT (ASEB, Maibella)	157.2	ASSAM	I	940.00	0.40	0.55	0.00	0.00	0.00	0.95	0.40	0.38	0.00	0.00	0.00	0.00	0.78	0.00	0.00	0	
28	NAMRUP CCPP + ST (APGCL)	119	ASSAM	I	489.00	0.66	0.00	0.00	0.00	0.00	0.66	0.64	0.01	0.00	0.00	0.00	0.00	0.65	0.00	0.00	0.00	
29	BARAMURA GT (TSECL)	58.5	TRIPURA	I	234.00	0.60	0.00	0.00	0.00	0.00	0.60	0.18	0.11	0.00	0.00	0.00	0.00	0.29	0.00	0.00	80.60	
30	ROKHIA GT (TSECL)	111	TRIPURA	I	480.00	0.30	0.00	0.00	0.00	0.00	0.30	0.59	0.00	0.00	0.00	0.00	0.00	0.58	0.00	0.00	0	
	Sub Total (NER)	445.7			2143.00	1.96	0.55	0.00	0.00	0.00	2.51	1.81	0.50	0.00	0.00	0.00	0.00	2.31	0.00	0.00	80.60	
	Total (SS)	6569.42			14876.73	10.81	6.06	1.29	0.93	4.33	23.42	5.73	3.53	0.00	0.16	0.16	0.79	10.37	0.00	0.00	3758.15	

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						APM (Firm)	Non APM/Others	RLNG		KGD-6 (Firm)	TOTAL	APM	NON APM/Others	KGD-6	RLNG			TOTAL	Naptha		HSD
								LT/SPOT	E-bid						SPOT	LT	E-bid				
(C) PVT SECTOR																					
31	TROMBAY CCPP (TPC)	180	MAHARASHTRA	P	1179.72	1.50	0.00	1.00	0.00	0.00	2.50	0.50	0.22	0.00	0.01	0.00	0.00	0.74	0.00	0.00	0.0
	Sub Total (WR)	180			1179.72	1.50	0.00	1.00	0.00	0.00	2.50	0.50	0.22	0.00	0.01	0.00	0.00	0.74	0.00	0.00	0.00
(D) PVT IPP SECTOR																					
32	RITHALA CCPP (NDPL)	108	DELHI	P	0.00	0.00	0.00	0.00	0.00	0.40	0.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	708.70
	Sub Total (NR)	108			0.00	0.00	0.00	0.00	0.00	0.40	0.40	0.00	0.00	0	0.00	0.00	0.00	0.00	0.00	0.00	708.70
33	BARODA CCPP (GIPCL)	160	GUJARAT	P	235.48	0.28	0.08	0.30	0.11	0.09	0.86	0.02	0.00	0.00	0.01	0.00	0.11	0.14	0.00	0.00	1061.68
34	ESSAR CCPP **	300	GUJARAT	P	0.00	0.00	0.00	0.00	0.00	1.17	1.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
35	PAGUTHAN CCPP (GPEC)	655	GUJARAT	P	898.34	0.00	0.13	0.40	0.32	1.30	2.15	0.00	0.15	0.00	0.02	0.00	0.34	0.51	0.00	0.00	4438.93
36	SUGEN CCPP (TORRENT)	1147.5	GUJARAT	P	3612.10	0.00	0.90	0.39	0.36	3.31	4.96	0.37	0.00	0.00	0.30	0.68	0.41	1.76	0.00	0.00	6017.70
37	UNOSUGEN CCPP	382.5	GUJARAT	P	859.07	0.00	0.00	0.00	0.22	0.00	0.22	0.00	0.00	0.00	0.00	0.00	0.42	0.42	0.00	0.00	2346.95
38	DGEN Mega CCPP	1200	GUJARAT	P	2731.00	0.00	0.00	0.00	1.14	0.00	1.14	0.00	0.00	0.00	0.00	0.00	1.32	1.32	0.00	0.00	7584.76
	Sub Total (WR)	3845			8335.99	0.28	1.11	1.09	2.15	5.87	10.50	0.39	0.15	0.00	0.33	0.68	2.60	4.15	0.00	0.00	21450.02
39	GAUTAMI CCPP	464	ANDHRA PRADESH	P	35.49	1.96	0.00	0.00	0.00	1.86	3.82	0.02	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	3997.17
40	GMR - KAKINADA (Tanirvavi)	220	ANDHRA PRADESH	P	0.00	0.00	0.00	0.00	0.00	0.88	0.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1489.20
41	GMR-Rajamundry Energy Ltd.	768	ANDHRA PRADESH	P	536.91	0.00	0.00	0.00	0.75	0.00	0.75	0.00	0.00	0.00	0.00	0.00	0.28	0.28	0.00	0.00	821.91
42	GODAVARI (SPECTRUM)	208	ANDHRA PRADESH	P	562.30	0.90	0.53	0.00	0.00	0.00	1.43	0.24	0.08	0.00	0.00	0.00	0.00	0.32	0.00	0.00	1222.00
43	JEGURUPADU CCPP (GVK)	455.4	ANDHRA PRADESH	P	695.08	2.00	0.44	0.00	0.33	1.09	3.86	0.24	0.10	0.00	0.00	0.00	0.07	0.42	12353.00	0.00	1876.92
44	KONASEEMA CCPP	445	ANDHRA PRADESH	P	0.00	1.60	0.00	0.00	0.58	1.78	3.96	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
45	KONDAPALLI EXTN CCPP .	366	ANDHRA PRADESH	P	295.43	0.00	0.00	0.00		1.46		0.00	0.00	0.00	0.00	0.00	0.07	0.07	0.00	0.00	0
46	KONDAPALLI ST-3 CCPP	742	ANDHRA PRADESH	P	1561.72	0.00	0.00	0.00	2.59	0.00	4.05	0.11	0.00	0.00	0.00	0.00	0.42	0.53	19226.35	25.40	1420.04
47	KONDAPALLI CCPP (LANCO)	350	ANDHRA PRADESH	P	487.60	1.46	0.50	0.00	0.00	0.36	2.32	0.21	0.00	0.00	0.00	0.00	0.00	0.39	34987.59	53.42	2575.83
48	PEDDAPURAM (BSES)	220	ANDHRA PRADESH	P	0.00	0.64	0.20	0.00	0.00	0.25	1.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1884.96
49	VEMAGIRI CCPP	370	ANDHRA PRADESH	P	592.70	1.64	0.00	0.00	0.54	1.48	3.66	0.00	0.00	0.00	0.08	0.00	0.25	0.33	0.00	0.00	124.90
50	VIJESWARAN CCPP	272	ANDHRA PRADESH	P	699.65	0.00	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.00	1575.41
51	PENNA CEMENT INDUSTRIES	30	ANDHRA PRADESH	P	N/A	0.00	0.00	0.00	0.00	0.12	0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A	N/A	0
52	RVK ENERGY	28	ANDHRA PRADESH	P	N/A	0.00	0.00	0.00	0.02	0.11	0.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A	N/A	0
53	SILK ROAD SUGAR	35	ANDHRA PRADESH	P	N/A	0.00	0.00	0.00	0.00	0.10	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A	N/A	0
54	LVS POWER	55	ANDHRA PRADESH	P	N/A	0.00	0.00	0.00	0.00	0.22	0.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A	N/A	0
55	KARUPPUR CCPP (ABAN)	119.8	TAMIL NADU	I	704.26	0.50	0.00	0.00	0.00	0.00	0.50	0.34	0.03	0.00	0.00	0.00	0.00	0.32	0.00	0.00	266.98
56	P.NALLUR CCPP (PPN)	330.5	TAMIL NADU	I	149.00	0.00	1.50	0.00	0.08	0.00	1.58	0.00	0.00	0.00	0.00	0.00	0.00	0.00	40700.00	330.00	0
57	VALANTARVY CCPP	52.8	TAMIL NADU	I	170.70	0.30	0.08	0.00	0.00	0.00	0.38	0.08	0.04	0.00	0.00	0.00	0.00	0.12	0.00	0.00	0.45
	Sub Total (SR)	5531.5			6490.84	11.00	3.25	0.00	4.89	9.71	28.85	1.70	0.25	0.00	0.08	0.00	1.09	3.13	107266.94	408.82	17255.76
58	DLF ASSAM GT	24.5	ASSAM	I	0.00	0.00	0.10	0.00	0.00	0.00	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
	Sub Total (NER)	24.5			0.00	0.00	0.10	0.00	0.00	0.00	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Total (PVT IPP S)=D	9509			14826.83	11.28	4.46	1.09	7.04	15.98	39.85	2.09	0.40	0.00	0.41	0.68	3.69	7.28	107266.94	408.82	39414.48
	Total(PVT)=C+D	9689			16006.55	12.78	4.46	2.09	7.04	15.98	42.35	2.60	0.62	0.00	0.43	0.68	3.69	8.02	107266.94	408.82	39414.48
	GRAND TOTAL=A+B+C+D	23075.57			47199.80	40.30	14.41	5.38	9.62	32.37	102.08	15.85	5.55	0.22	0.61	0.88	5.13	28.26	107640.54	665.32	57664.62

*APM:Administerd price mechanism,RLNG:Regasified liquefied natural gas,LT:Long term

N/R=Not reported any loss

\$ Installed Capacity is as on last day of the month

* Normative gas requirement at 90 % PLF taking GCV of gas=9000k.Cal/SCM (except for Ramgarh CCGT for which GCV is 4150 kCal/SCM), station heat rate - 2900 k.Cal/kWh for open cycle and 2000 k.Cal/kWh for combined cycle.

+ Including R-LNG

(i) DGEN Mega CCPP, Module-2 (400 MW) commissioned on 23.04.2014.

(ii) Ramgarh ST (50 MW) of RRVUNL commissioned on 1.05.2014

(iii) Dhuvaran CCPP (376.1 MW) of GSECL commissioned 21.05.2014

(iv) Tripura CCPP (363.3 MW) of ONGC commissioned on 16.11.2014.

** Out of total 515 MW capacity, 300 MW electricity is being supplied to grid & balance 215 MW is used as captive generation.

P = Supply through Pipe Line I=Isolated

MU – Million Unit, KL– Kilo Litre, KL=1.35*MT

MMSCMD - Million Standard Cubic Metres/day=MMSCM Data/(NO.OF DAYS IN A MONTH)

HSD – High Speed Diesel

(v) Agartala ST(25.5MW) commissioned on 23.03.2015

(vi)Monarchak GT(70MW) commissioned on 30.03.2015

(vii) Watwa CCPP plant has been retired by Torrent power from

23.03.2015