

ANNUAL REPORT ON FUEL SUPPLY/CONSUMPTION FOR GAS BASED POWER STATIONS IN THE COUNTRY

For the year 2010-2011

S. No	Name of Power Station	Installed Capacity @ (MW)	Located in the State	Gen (MUs)	Gas * Requirement at 90% PLF (MMSCMD)	Gas Allotted (MMSCMD)	Avg. Gas Supplied/ Consumed+ (MMSCMD)	Alternate fuel used		Gen Loss due to short supply of Gas as reported (MUs)	Remarks
								Naptha	HSD		
CENTRAL SECTOR											
1	FARIDABAD CCPP	431.59	HARYANA	3155.40	2.07	1.95	1.80	1606.46	136.00	0.22	
2	ANTA CCPP	419.33	RAJASTHAN	2487.90	2.01	1.60	1.51	1203.54	0.00	0.00	
3	AURAIYA CCPP	663.36	UTTAR PRADESH	4369.34	3.18	2.79	2.72	4536.07	0.00	0.80	
4	DADRI CCPP	829.78	UTTAR PRADESH	5399.88	3.98	3.20	3.14	0.00	8441.98	0.00	
	Sub Total (NR)	2344.06		15412.52	11.24	9.54	9.17	7346.07	8577.98	1.02	
5	GANDHAR CCPP	657.39	GUJARAT	4058.06	3.16	3.02	2.31	0.00	0.00	10.58	
6	KAWAS CCPP	656.20	GUJARAT	3882.14	3.15	2.29	2.29	917.20	80.28	0.00	
7	RATNAGIRI CCPP I	740.00	MAHARASHTRA	4148.41	3.55	2.35	2.09	0.00	0.00	149.08	
8	RATNAGIRI CCPP II	740.00	MAHARASHTRA	3135.84	3.55	2.35	2.09	0.00	0.00	149.08	
9	RATNAGIRI CCPP III	740.00	MAHARASHTRA	4592.60	3.56	2.34	2.10	0.00	0.00	149.08	
	Sub Total (WR)	3533.59		19817.05	16.97	12.35	10.88	917.20	80.28	457.82	
10	KATHALGURI CCPP	291.00	ASSAM	1833.87	1.40	1.40	1.44	0.00	0.00	129.46	
11	AGARTALA GT	84.00	TRIPURA	644.10	0.58	0.72	0.72	0.00	0.00	0.00	
	Sub Total (NER)	375.00		2477.97	1.98	2.12	2.16	0.00	0.00	129.46	
	Total (CS)	6252.65		37707.54	30.19	24.01	22.21	8263.27	8658.26	588.30	
STATE SECTOR											
12	I.P.CCPPP	270.00	DELHI	1368.32	1.30	1.34	1.02	0.00	19.10	0.00	
13	PRAGATI CCGT-III \$	500.00	DELHI	6.09	2.40	0.00	0.02	0.00	0.00	0.00	Signing of contract with RIL in process. Spot Gas from GAIL is arranged for commissioning/ testing.
14	PRAGATI CCPP	330.40	DELHI	2335.78	1.59	1.54	1.41	0.00	0.00	0.00	
15	DHOLPUR CCPP	330.00	RAJASTHAN	1994.87	1.58	1.28	1.13	0.00	0.00	217.76	
16	RAMGARH CCPP	113.80	RAJASTHAN	301.13	1.18	0.90	0.50	0.00	204.83	0.00	
	Sub Total (NR)	1544.20		6006.19	8.05	5.06	4.08	0.00	223.93	217.76	
17	DHUVRAN CCPP	218.62	GUJARAT	891.38	1.05	1.18	0.94	0.00	0.00	3.37	
18	HAZIRA CCPP	156.10	GUJARAT	1022.81	0.75	0.78	0.63	0.00	0.00	6.59	
19	UTRAN CCPP	518.00	GUJARAT	2947.22	2.49	1.53	1.53	0.00	0.00	32.94	
20	URAN CCPP	672.00	MAHARASHTRA	5587.39	3.23	4.83	3.45	0.00	0.00	1107.44	

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								Naptha	HSD		
	Sub Total (WR)	1564.72		10448.80	7.52	8.32	6.55	0.00	0.00	1150.34	
21	KARAIKAL CCPP	32.50	PUDUCHERRY	195.45	0.16	0.14	0.14	0.00	0.00	18.57	
22	KOVIKALPAL CCPP	107.00	TAMIL NADU	663.76	0.51	0.34	0.34	0.00	0.00	272.42	
23	KUTTALAM CCPP	100.00	TAMIL NADU	172.58	0.48	0.45	0.09	0.00	0.00	49.00	Plant is under long planned shut down from 18.7.2010. Generation loss reported is from 1.4.2010
24	NARIMANAM GPS	10.00	TAMIL NADU	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Power plant is not in operation.
25	VALUTHUR CCPP	186.20	TAMIL NADU	547.67	0.89	0.34	0.31	43.49	0.00	0.00	
	Sub Total (SR)	435.70		1579.46	2.04	1.27	0.88	43.49	0.00	339.99	
26	LAKWA GT	120.00	ASSAM	766.25	0.84	0.90	0.89	0.00	0.00	24.78	
27	NAMRUP CCPP	95.00	ASSAM	508.73	0.43	0.50	0.50	0.00	0.00	21.46	
28	NAMRUP ST	24.00	ASSAM	21.08	0.14	0.16	0.11	0.00	0.00	6.00	
29	BARAMURA GT #	58.50	TRIPURA	225.82	0.41	0.40	0.33	0.00	0.00	0.00	
30	ROKHIA GT	90.00	TRIPURA	443.50	0.63	0.58	0.61	0.00	0.00	0.00	
	Sub Total (NER)	387.50		1965.38	2.45	2.54	2.44	0.00	0.00	52.24	
	Total (SS)	3932.12		19999.83	20.06	17.19	13.95	43.49	223.93	1760.33	

PVT SECTOR

31	VATWA CCPP	100.00	GUJARAT	670.53	0.48	0.31	0.41	0.00	0.00	145.63	
32	TROMBAY CCPP	180.00	MAHARASHTRA	1568.79	0.86	0.87	0.90	0.00	0.00	79.06	
	Sub Total (WR)	280.00		2239.32	1.34	1.18	1.31	0.00	0.00	224.69	
	Total (PVT S)	280.00		2239.32	1.34	1.18	1.31	0.00	0.00	224.69	

PVT IPP SECTOR

33	RITHALA CCPP **	71.50	DELHI	88.80	0.50	0.40	0.10	0.00	0.00	31.68	Both the units(2x35.75MW GT) are under trial run.
	Sub Total (NR)	71.50		88.80	0.50	0.40	0.10	0.00	0.00	31.68	
34	BARODA CCPP	160.00	GUJARAT	843.55	0.77	0.47	0.52	0.00	0.00	23.13	
35	ESSAR CCPP	515.00	GUJARAT	1443.70	2.47	1.68	1.68	0.00	4.20	0.00	Allocation of gas is for 300 MW capacity only.
36	PEGUTHAN CCPP	655.00	GUJARAT	3667.45	3.14	2.11	2.06	2850.00	16.75	0.00	
37	SUGEN CCPP	1147.50	GUJARAT	8216.99	5.51	4.65	4.23	0.00	0.00	0.00	
	Sub Total (WR)	2477.50		14171.69	11.89	8.91	8.49	2850.00	20.95	23.13	
38	GAUTAMI CCPP	464.00	ANDHRA PRADESH	3331.07	2.23	1.76	1.82	0.00	0.00	304.38	
39	GMR Energy Ltd - Kakinada	220.00	ANDHRA PRADESH	960.49	1.06	0.58	0.58	0.00	0.00	31.94	
40	GODAVARI CCPP	208.00	ANDHRA PRADESH	1464.36	1.00	0.87	0.87	381.81	0.00	202.12	

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41	JEGURUPADU CCPP	455.40	ANDHRA PRADESH	3094.23	2.19	2.01	1.79	0.00	0.00	406.40	Generation loss is due to restriction in gas supply by RIL.
42	KONASEEMA CCPP &	445.00	ANDHRA PRADESH	2350.49	2.14	1.78	1.60	0.00	0.00	1319.10	
43	KONDAPALLI EXTN CCPP .	366.00	ANDHRA PRADESH	2043.68	1.76	1.26	1.26	0.00	0.00	0.00	
44	KONDAPALLI CCPP ***	350.00	ANDHRA PRADESH	2133.77	1.68	1.75	1.27	0.00	0.00	641.37	Generation loss is due to short supply of gas by GAIL.
45	PEDDAPURAM CCPP	220.00	ANDHRA PRADESH	1427.37	1.06	0.84	0.84	0.00	0.00	290.69	
46	VEMAGIRI CCPP	370.00	ANDHRA PRADESH	2815.56	1.78	1.44	1.44	0.00	0.00	450.20	
47	KARUPPUR CCPP	119.80	TAMIL NADU	820.38	0.58	0.50	0.47	0.00	0.00	0.00	
48	P.NALLUR CCPP	330.50	TAMIL NADU	2494.06	1.59	0.97	0.97	142562.16	30.00	0.00	
49	VALANTARVY CCPP	52.80	TAMIL NADU	370.17	0.25	0.25	0.27	0.00	0.00	12.25	
	Sub Total (SR)	3601.50		23305.63	17.32	14.01	13.18	142943.97	30.00	3658.45	
50	DLF ASSAM GT	24.50	ASSAM	67.42	0.12	0.17	0.07	0.00	0.00	108.09	
	Sub Total (NER)	24.50		67.42	0.12	0.17	0.07	0.00	0.00	108.09	
	Total (PVT IPP S)	6175.00		37633.54	29.83	23.49	21.84	145793.97	50.95	3821.35	
	GRAND TOTAL	16639.77		97580.23	81.42	65.87	59.31	154100.73	8933.14	6394.67	

'@ 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.

\$ Pragati III GT-1 (250 MW) commissioned on 24.10.2010 and GT-2 (250 MW) commissioned on 17.2.2011.

Baramura GT (21 MW) commissioned on 3.8.2010.

& Konaseema CCPP (ST- 165 MW) commissioned on 30.6. 2010.

** Rithala CCPP GT-1 (35.75 MW) commd. on 9.12.2010 and GT-2 (35.75 MW) commd. on 4.10.2010.

*** Kondapalli CCPP ST(133 MW) commissioned on 18.07.2010.

MUs - Million Units

MMSCMD - Million Standard Cubic Meters per Day

KL - Kilo Litre

HSD - High Speed Diesel