

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

For the year 2011-2012

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 (KL)		Gen Loss due to short supply of Gas as reported (MUs)	Remarks
								Naptha	HSD		
CENTRAL SECTOR											
1	FARIDABAD CCPP	431.59	HARYANA	3067.72	2.07	1.95	1.80	72.38	15.00	0.00	
2	ANTA CCPP	419.33	RAJASTHAN	2694.60	2.01	1.82	1.65	883.54	0.00	0.00	
3	AURAIYA CCPP	663.36	UTTAR PRADESH	3878.62	3.18	2.63	2.45	262.11	0.00	0.00	
4	DADRI CCPP	829.78	UTTAR PRADESH	5376.07	3.98	3.31	3.06	0.00	2.82	0.00	
	Sub Total (NR)	2344.06		15017.01	11.24	9.71	8.96	1218.03	17.82	0.00	
5	GANDHAR CCPP	657.39	GUJARAT	3684.07	3.16	3.09	2.09	0.00	0.00	2.09	
6	KAWAS CCPP	656.20	GUJARAT	3638.40	3.15	2.05	2.05	277.53	100.81	0.00	
7	RATNAGIRI CCPP I	740.00	MAHARASHTRA	2950.50	3.55	2.55	1.56	0.00	0.00	714.49	
8	RATNAGIRI CCPP II	740.00	MAHARASHTRA	4846.46	3.55	2.55	2.56	0.00	0.00	593.33	
9	RATNAGIRI CCPP III	740.00	MAHARASHTRA	3822.12	3.56	2.56	2.02	0.00	0.00	1661.26	
	Sub Total (WR)	3533.59		18941.55	16.97	12.80	10.28	277.53	100.81	2971.17	
10	KATHALGURI CCPP	291.00	ASSAM	1765.17	1.40	1.40	1.38	0.00	0.00	194.02	
11	AGARTALA GT	84.00	TRIPURA	666.12	0.58	0.75	0.75	0.00	0.00	0.00	
	Sub Total (NER)	375.00		2431.29	1.98	2.15	2.13	0.00	0.00	194.02	
	Total (CS)	6252.65		36389.85	30.19	24.66	21.37	1495.56	118.63	3165.20	
STATE SECTOR											
12	I.P.CCPPP	270.00	DELHI	1243.72	1.30	1.37	0.89	0.00	19.10	0.00	
13	PRAGATI CCGT-III	750.00	DELHI	331.38	2.74	1.07	0.29	0.00	0.00	141.14	
14	PRAGATI CCPP	330.40	DELHI	2560.05	1.59	1.57	1.49	0.00	0.00	0.00	
15	DHOLPUR CCPP	330.00	RAJASTHAN	2253.77	1.58	1.57	1.36	0.00	0.00	249.42	
16	RAMGARH CCPP	113.80	RAJASTHAN	536.79	1.18	0.95	0.81	0.00	22.82	0.00	
	Sub Total (NR)	1794.20		6925.71	8.39	6.53	4.84	0.00	41.92	390.56	
17	DHUVRAN CCPP	218.62	GUJARAT	1008.70	1.05	0.76	0.56	0.00	0.00	0.00	
18	HAZIRA CCPP	156.10	GUJARAT	907.62	0.75	0.65	0.65	0.00	0.00	0.52	
19	UTRAN CCPP	518.00	GUJARAT	2987.98	2.49	1.61	1.56	0.00	0.00	21.84	
20	URAN CCPP	672.00	MAHARASHTRA	4668.78	3.23	4.70	3.50	0.00	0.00	224.45	Less gas allocation from M/s GAIL & M/s RIL.
	Sub Total (WR)	1564.72		9573.08	7.52	7.72	6.27	0.00	0.00	246.81	
21	KARAIKAL CCPP	32.50	PUDUCHERRY	251.46	0.16	0.19	0.19	0.00	0.00	0.00	
22	KOVIKALPAL CCPP	107.00	TAMIL NADU	705.75	0.51	0.39	0.39	0.00	0.00	155.23	
23	KUTTALAM CCPP	100.00	TAMIL NADU	413.29	0.48	0.45	0.22	0.00	0.00	137.00	Daily Gas allocation from M/s is insufficient.
24	NARIMANAM GPS	10.00	TAMIL NADU	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
25	VALUTHUR CCPP	186.20	TAMIL NADU	1114.56	0.89	0.65	0.65	0.00	0.00	0.00	
	Sub Total (SR)	435.70		2485.06	2.04	1.68	1.45	0.00	0.00	292.23	
26	LAKWA GT	120.00	ASSAM	771.99	0.84	0.95	0.83	0.00	0.00	77.56	

27	NAMRUP CCPP	95.00	ASSAM	565.73	0.43	0.66	0.67	0.00	0.00	27.00	
28	NAMRUP ST	24.00	ASSAM	0.00	0.14	0.00	0.00	0.00	0.00	0.00	
29	BARAMURA GT	58.50	TRIPURA	357.62	0.41	0.40	0.40	0.00	0.00	0.00	
30	ROKHIA GT	90.00	TRIPURA	419.10	0.63	0.58	0.50	0.00	0.00	0.00	
	Sub Total (NER)	387.50		2114.44	2.45	2.59	2.40	0.00	0.00	104.55	
	Total (SS)	4182.12		21098.29	20.40	18.52	14.96	0.00	41.92	1034.15	
PVT SECTOR											
31	VATWA CCPP	100.00	GUJARAT	459.26	0.48	0.25	0.28	0.00	0.00	403.16	
32	TROMBAY CCPP	180.00	MAHARASHTRA	1567.90	0.86	0.84	0.90	0.00	0.00	29.00	
	Sub Total (WR)	280.00		2027.16	1.34	1.09	1.18	0.00	0.00	432.16	
	Total (PVT S)	280.00		2027.16	1.34	1.09	1.18	0.00	0.00	432.16	
PVT IPP SECTOR											
33	RITHALA CCPP	108.00	DELHI	241.83	0.52	0.40	0.27	0.00	0.00	141.70	
	Sub Total (NR)	108.00		241.83	0.52	0.40	0.27	0.00	0.00	141.70	
34	BARODA CCPP	160.00	GUJARAT	668.74	0.77	0.36	0.42	0.00	0.00	549.77	
35	ESSAR CCPP	515.00	GUJARAT	135.89	2.47	1.23	1.23	0.00	0.00	0.00	
36	PEGUTHAN CCPP	655.00	GUJARAT	3067.07	3.14	1.87	1.80	2386.82	2.05	0.00	
37	SUGEN CCPP	1147.50	GUJARAT	7592.16	5.51	4.65	3.87	0.00	0.00	921.96	
	Sub Total (WR)	2477.50		11463.86	11.89	8.11	7.32	2386.82	2.05	1471.73	
38	GAUTAMI CCPP	464.00	ANDHRA PRADESH	2898.67	2.23	1.86	1.57	0.00	0.00	960.34	
39	GMR Energy Ltd - Kakinada	220.00	ANDHRA PRADESH	1200.03	1.06	0.67	0.67	0.00	0.00	0.00	
40	GODAVARI CCPP	208.00	ANDHRA PRADESH	1282.46	1.00	0.73	0.73	4165.50	0.00	435.39	Gas shortage from gas wells.
41	JEGURUPADU CCPP	455.40	ANDHRA PRADESH	2833.49	2.19	2.67	1.58	0.00	0.00	860.97	Non availability of gas-short supply of APM gas and RIL gas.
42	KONASEEMA CCPP	445.00	ANDHRA PRADESH	2266.22	2.14	1.78	1.32	0.00	0.00	488.09	
43	KONDAPALLI EXTN CCPP .	366.00	ANDHRA PRADESH	2203.54	1.76	1.23	1.23	0.00	0.00	0.00	
44	KONDAPALLI CCPP	350.00	ANDHRA PRADESH	2030.94	1.68	1.75	1.18	0.00	0.00	757.77	
45	PEDDAPURAM CCPP	220.00	ANDHRA PRADESH	1318.82	1.06	0.76	0.76	0.00	0.00	565.38	
46	VEMAGIRI CCPP	370.00	ANDHRA PRADESH	2066.81	1.78	1.48	1.02	0.00	0.00	409.07	
47	KARUPPUR CCPP	119.80	TAMIL NADU	797.10	0.58	0.49	0.53	0.00	0.00	0.00	
48	P.NALLUR CCPP	330.50	TAMIL NADU	1526.19	1.59	0.37	0.37	177240.54	63.00	0.00	
49	VALANTARVY CCPP	52.80	TAMIL NADU	377.51	0.25	0.37	0.25	0.00	0.00	9.14	
	Sub Total (SR)	3601.50		20801.78	17.32	14.16	11.21	181406.04	63.00	4486.15	
50	DLF ASSAM GT	24.50	ASSAM	0.00	0.12	0.17	0.06	0.00	0.00	124.76	
	Sub Total (NER)	24.50		0.00	0.12	0.17	0.06	0.00	0.00	124.76	
	Total (PVT IPP S)	6211.50		32507.47	29.85	22.84	18.86	183792.86	65.05	6224.34	
	GRAND TOTAL	16926.27		92022.77	81.78	67.11	56.37	185288.42	225.60	10855.84	

@ Installed capacity is as on last day of the year.

* 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 and is as on last day of the year.

MUs - Million Units

MMSCMD - Million Standard Cubic Meters per Day

KL

- Kilo Litre

HSD - High Speed Diesel