

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

For the year 2009-2010

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	3211.95	2.07	2	1.65	64171.93	868	0	
2	ANTA CCPP	419.33	RAJASTHAN	3001.76	2.01	1.76	1.75	26446.48	0	0	
3	AURAIYA CCPP	663.36	UTTAR PRADESH	4528.39	3.18	2.56	2.56	119186	0	10.58	
4	DADRI CCPP	829.78	UTTAR PRADESH	5606.63	3.98	2.81	2.8	0	178707.44	0	
	Sub Total (NR)	2344.06		16348.73	11.24	9.13	8.76	209804.41	179575.44	10.58	
5	GANDHAR CCPP	657.39	GUJARAT	4487.83	3.12	2.99	2.58	0	0	1.95	
6	KAWAS CCPP	656.2	GUJARAT	4327.23	3.15	2.87	2.53	8095	0	0	
7	RATNAGIRI CCPP I	740	MAHARASHTRA	2504.97	3.55	1.5	1.34	0	0	0	
8	RATNAGIRI CCPP II	740	MAHARASHTRA	3340.21	3.55	1.5	1.78	0	0	0	
9	RATNAGIRI CCPP III	740	MAHARASHTRA	2445.37	3.56	1.5	1.31	0	0	0	
	Sub Total (WR)	3533.59		17105.61	16.93	10.36	9.54	8095	0	1.95	
10	KATHALGURI CCPP	291	ASSAM	1744.14	1.4	1.4	1.32	0	0	108.3	
11	AGARTALA GT	84	TRIPURA	662.71	0.58	0.75	0.74	0	0	0	
	Sub Total (NER)	375		2406.85	1.98	2.15	2.06	0	0	108.3	
	Total (CS)	6252.65		35861.19	30.15	21.64	20.36	217899.41	179575.44	120.83	
STATE SECTOR											
12	I.P.CCPP	270	DELHI	1498.84	1.3	1.17	1.12	0	14231.94	0	
13	PRAGATI CCPP	330.4	DELHI	2453	1.59	1.5	1.44	0	0	0	
14	DHOLPUR CCPP	330	RAJASTHAN	2424.77	1.58	1.46	1.35	0	0	69.12	
15	RAMGARH CCPP	113.8	RAJASTHAN	352.92	1.18	0.75	0.59	0	90.93	0	
	Sub Total (NR)	1044.2		6729.53	5.65	4.88	4.5	0	14322.87	69.12	
16	DHUVARAN CCPP	218.62	GUJARAT	1358	1.05	0.86	0.74	0	0	22.98	

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								Naptha	HSD		
17	HAZIRA CCPP	156.1	GUJARAT	1111.81	0.75	0.8	0.67	0	0	0	
18	UTRAN CCPP **	518	GUJARAT	1944.22	2.49	2.01	1.17	0	0	0	
19	URAN CCPP	912	MAHARASHTRA	5109.34	4.38	3.3	3.3	0	0	1653.57	
	Sub Total (WR)	1804.72		9523.37	8.67	6.97	5.88	0	0	1676.55	
20	KARAIKAL CCPP	32.5	PUDUCHERRY	227.25	0.16	0.17	0.16	0	0	24.6	
21	KOVIKALPAL CCPP	107	TAMIL NADU	534.06	0.51	0.29	0.28	0	0	267.9	
22	KUTTALAM CCPP	100	TAMIL NADU	646.26	0.48	0.35	0.35	0	0	56	
23	NARIMANAM GPS	10	TAMIL NADU	0	0	0	0	0	0	0	Power station is not in operation.
24	VALUTHUR CCPP	186.2	TAMIL NADU	1064.64	0.89	0.66	0.61	43.49	0	158	
	Sub Total (SR)	435.7		2472.21	2.04	1.47	1.4	43.49	0	506.5	
25	LAKWA GT	120	ASSAM	762.51	0.84	0.94	0.87	0	0	56.28	
26	NAMRUP CCPP	95	ASSAM	510.82	0.43	0.4	0.58	0	0	11	
27	NAMRUP ST	24	ASSAM	35.41	0.14	0.26	0.05	0	0	2.4	
28	BARAMURA GT	37.5	TRIPURA	177.32	0.26	0.2	0.2	0	0	0	
29	ROKHIA GT	90	TRIPURA	442.47	0.63	0.6	0.55	0	0	0	
	Sub Total (NER)	366.5		1928.53	2.3	2.4	2.25	0	0	69.68	
	Total (SS)	3651.12		20653.64	18.66	15.72	14.03	43.49	14322.87	2321.85	
PVT SECTOR											
30	VATWA CCPP	100	GUJARAT	798.05	0.48	0.48	0.48	0	0	0	
31	TROMBAY CCPP	180	MAHARASHTRA	1414.61	0.86	0.85	0.85	0	0	130.08	
	Sub Total (WR)	280		2212.66	1.34	1.33	1.33	0	0	130.08	
	Total (PVT S)	280		2212.66	1.34	1.33	1.33	0	0	130.08	
PVT IPP SECTOR											
32	BARODA CCPP	160	GUJARAT	1064.39	0.77	0.63	0.63	0	0	1.42	
33	ESSAR CCPP	515	GUJARAT	1714.97	2.47	1.68	1.68	0	4.2	0	
34	PEGUTHAN CCPP	655	GUJARAT	4593.82	3.14	2.67	2.54	7.46	0	0	Naphtha is mainly used for testing purpose during outages.

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35	SUGEN CCPP\$	1147.5	GUJARAT	6630.26	5.51	4.06	3.26	0	0	0	
	Sub Total (WR)	2477.5		14003.44	11.89	9.04	8.11	7.46	4.2	1.42	
36	GAUTAMI CCPP #	464	ANDHRA PRADESH	3078.89	2.23	1.86	1.85	0	0	0	
37	GODAVARI CCPP	208	ANDHRA PRADESH	1553.13	1	0.91	0.91	12723.5	0	16.11	
38	JEGURUPADU CCPP	455.4	ANDHRA PRADESH	3348.39	2.19	2.11	1.96	13407.59	0	18.27	
39	KONASEEMA CCPP &	280	ANDHRA PRADESH	867.65	1.95	1.75	0.81	0	0	0	
40	KONDAPALLI EXTN CCPP ***	233	ANDHRA PRADESH	389.12	1.62	1.75	1.19	0	0	0	GT(233MW)commissioned on 5.12.09
41	KONDAPALLI CCPP	350	ANDHRA PRADESH	2749.85	1.68	1.75	1.39	59935.13	302.02	292.43	
42	PEDDAPURAM CCPP	220	ANDHRA PRADESH	1525.02	1.06	0.86	0.86	19130.97	55.42	105.8	
43	VEMAGIRI CCPP	370	ANDHRA PRADESH	3000.18	1.78	1.56	1.56	0	0	98.08	
44	KARUPPUR CCPP	119.8	TAMIL NADU	676.97	0.58	0.5	0.38	0	0	0	
45	P.NALLUR CCPP	330.5	TAMIL NADU	2258.34	1.59	0.37	0.37	348072.97	291	0	
46	VALANTARVY CCPP	52.8	TAMIL NADU	338.63	0.25	0.24	0.24	0	0	61.74	
	Sub Total (SR)	3083.5		19786.17	15.93	13.66	11.52	453270.16	648.44	592.43	
47	DLF ASSAM GT	24.5	ASSAM	0	0.12	0.17	0.1	0	0	70.82	
	Sub Total (NER)	24.5		0	0.12	0.17	0.1	0	0	70.82	
	Total (PVT IPP S)	5585.5		33789.61	27.94	22.87	19.73	453277.62	652.64	664.67	
	GRAND TOTAL	15769.27		92517.10	78.09	61.56	55.45	671220.52	194550.95	3237.43	

@ 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.

\$ Block -I (382.50 MW) commissioned on 4.2.2009, Block II (382.50 MW) commissioned on 7.5.2009 and Block - III (382.50 MW) commissioned on 8.6.2009.

Gautami CCPP(464MW) commissioned (i.e. achieved full load) on 3.5.2009.

& Konaseema CCPP (GT -I = 140MW, GT -II = 140MW) commissioend in May 2009.

** Utran CCPP Extn. (374MW) commissionedon 10.10.2009.

*** GT(233MW) commissioned on 5.12.2009.

MUs - Million Units

MMSCMD - Million Standard Cubic Meters per Day

KL - Kilo Litre

HSD - High Speed Diesel