

ANNUAL REPORT ON FUEL SUPPLY/CONSUMPTION FOR GAS BASED POWER STATIONS IN THE COUNTRY FOR THE YEAR 2012-13

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	2402.85	2.07	2.95	1.43	0.00	0.00	0.00	
2	ANTA CCPP	419.33	RAJASTHAN	2176.45	2.01	3.49	1.36	380.96	0.00	0.00	
3	AURAIYA CCPP	663.36	UTTAR PRADESH	2774.82	3.18	4.07	1.74	431.43	0.00	0.00	
4	DADRI CCPP	829.78	UTTAR PRADESH	4417.58	3.98	4.23	2.84	0.00	0.00	0.00	
	Sub Total (NR)	2344.06		11771.7	11.24	14.74	7.37	812.385	0	0.00	
5	GANDHAR CCPP	657.39	GUJARAT	3478.6	3.16	0.60	1.99	0	0	0.00	
6	KAWAS CCPP	656.2	GUJARAT	2900.99	3.15	2.54	1.65	23.89	56.02	0.00	
7	RATNAGIRI CCPP I	1967	MAHARASHTRA	522.18	10.66	7.60	2.78	0	0	9676.18	
	Sub Total (WR)	3280.59		6901.77	16.97	10.74	6.42	23.89	56.02	9676.18	
8	KATHALGURI CCPP	291	ASSAM	1680.33	1.4	1.40	1.38	0	0	191.69	
9	AGARTALA GT	84	TRIPURA	632.73	0.58	0.75	0.72	0	0	58.27	
10	TRIPURA CCGT	363.3	TRIPURA	0.00	1.74	0.00	0.00	0.00	0.00	N/A	Not in Operation
	Sub Total (NER)	738.3		2313.06	3.72	2.15	2.10	0.00	0.00	249.96	
	Total (CS)	6362.95		20986.53	31.93	27.63	15.89	836.28	56.02	9926.14	
STATE SECTOR											
11	I.P.CCPP	270	DELHI	1308.21	1.3	1.57	0.91	0	0	0.00	
12	PRAGATI CCGT-III	1000	DELHI	1437.14	4.79	0.00	0.87	0	0	31.55	
13	PRAGATI CCPP	330.4	DELHI	2508.35	1.59	2.23	1.44	0	0	0.00	
14	DHOLPUR CCPP	330	RAJASTHAN	1162.69	1.58	1.60	0.77	0	0	957.90	
15	RAMGARH CCPP	113.8	RAJASTHAN	497.89	2.32	1.45	0.75	0	61.35	0.00	
16	RAMGARH CCPP EXT.	110	RAJASTHAN	0	0	0.00	0	0	0	0.00	
	Sub Total (NR)	2154.2		6914.28	11.58	6.85	4.74	0	61.35	989.45	

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								Naptha	HSD		
17	DHUVARAN CCPP	218.62	GUJARAT	849.8	1.05	0.89	0.47	0	0	0.00	
18	HAZIRA CCPP	156.1	GUJARAT	701.27	0.75	0.81	0.44	0	0	7.19	
19	HAZIRA CCPP EXT	351	GUJARAT	4.44	1.68	0.00	0	0	0	0.00	
20	UTRAN CCPP	518	GUJARAT	954.77	2.49	1.97	0.55	0	0	8.67	
21	URAN CCPP	672	MAHARASHTRA	3741.07	3.23	4.70	2.43	0	0	1461.88	
	Sub Total (WR)	1915.72		6251.35	9.20	8.37	3.89	0.00	0.00	1477.74	
22	KARAIKAL CCPP	32.5	PUDUCHERRY	230.76	0.16	0.18	0.18	0	0	12.55	
23	KOVIKALPAL CCPP	107	TAMIL NADU	726.74	0.51	0.45	0.38	0	0	200.43	
24	KUTTALAM CCPP	100	TAMIL NADU	55.84	0.48	0.45	0.03	0	0	536.16	
25	VALUTHUR CCPP	186.2	TAMIL NADU	937.31	0.89	0.69	0.55	0	0	0.00	
	Sub Total (SR)	425.7		1950.65	2.04	1.77	1.14	0	0	749.14	
26	LAKWA GT	157.2	ASSAM	886.13	1.1	0.95	0.78	0	0	213.88	
27	NAMRUP CCPP +ST	119	ASSAM	533.21	0.57	0.66	0.65	0	0	72.80	
28	BARAMURA GT	58.5	TRIPURA	347.37	0.41	0.60	0.39	0	0	0.00	
29	ROKHIA GT	90	TRIPURA	416.47	0.63	0.30	0.36	0	0	0.00	
	Sub Total (NER)	424.7		2183.18	2.71	2.51	2.18	0	0	286.68	
	Total (SS)	4920.32		17299.46	25.53	19.50	11.95	0	61.35	3503.01	
PVT SECTOR											
30	VATWA CCPP	100	GUJARAT	125.19	0.48	0.37	0.08	0	0	748.84	
31	TROMBAY CCPP	180	MAHARASHTRA	1596.58	0.86	2.50	0.91	0	0	13.26	
	Sub Total (WR)	280		1721.77	1.34	2.87	0.99	0	0	762.10	
	Total (PVT S)	280		1721.77	1.34	2.87	0.99	0	0	762.10	
PVT IPP SECTOR											
32	RITHALA CCPP	108	DELHI	138.82	0.52	0.40	0.11	0	0	562.00	
	Sub Total (NR)	108		138.82	0.52	0.40	0.11	0	0	562.00	
33	BARODA CCPP	160	GUJARAT	377.17	0.77	0.75	0.25	0	0	881.96	
34	ESSAR CCPP**	300	GUJARAT	481.47	2.47	1.17	0.66	0	0	0.00	
35	PEGUTHAN CCPP	655	GUJARAT	1405.8	3.14	1.83	0.84	0	0	0.00	
36	SUGEN CCPP	1147.5	GUJARAT	4119.87	5.51	4.60	2.15	0	0	4399.59	
37	UNO SUGEN	382.5	GUJARAT	0.00	1.83	0.00	0.00	0.00	0.00		
	Sub Total (WR)	2645		6384.31	13.72	8.35	3.90	0.00	0.00	5281.55	

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								Naptha	HSD		
38	GAUTAMI CCPP	464	ANDHRA PRADESH	997.36	2.23	3.82	0.54	0	0	2914.88	
39	GMR Energy Ltd - Kakinada	220	ANDHRA PRADESH	393.39	1.06	0.88	0.24	0	0	1093.60	
40	GODAVARI CCPP	208	ANDHRA PRADESH	1032.98	1.00	1.14	0.61	2417.84	0	719.24	
41	JEGURUPADU CCPP	455.4	ANDHRA PRADESH	1689.04	2.19	3.33	0.97	1648.3	0	1717.25	
42	KONASEEMA CCPP	445	ANDHRA PRADESH	914.92	2.14	3.38	0.54	0	0	2176.14	
43	KONDAPALLI EXTN CCPP.	366	ANDHRA PRADESH	661.51	1.76	1.46	0.42	0	0	0.00	
44	KONDAPALLI CCPP	350	ANDHRA PRADESH	1768.38	1.68	2.21	0.98	12141.81	21.18	770.19	
45	PEDDAPURAM CCPP	220	ANDHRA PRADESH	713.2	1.06	1.06	0.49	0	0	1157.46	
46	VEMAGIRI CCPP	370	ANDHRA PRADESH	960.77	1.78	3.12	0.47	0	0	1852.67	
47	VIJESWARAN CCPP	272	ANDHRA PRADESH	1168.17	1.31	0.00	0.76	0	0	1100.70	
48	SRIBA INDUSTRIES	30	ANDHRA PRADESH	N/A	0.14	0.00	N/A	N/A	N/A	0.00	
49	RVK ENERGY	28	ANDHRA PRADESH	N/A	0.13	0.00	N/A	N/A	N/A	0.00	
50	SILK ROAD SUGAR	35	ANDHRA PRADESH	N/A	0.17	0.10	N/A	N/A	N/A	0.00	
51	LVS POWER	55	ANDHRA PRADESH	N/A	0.26	0.00	N/A	N/A	N/A	0.00	
52	KARUPPUR CCPP	119.8	TAMIL NADU	881.96	0.58	0.50	0.49	0	0	28.88	
53	P.NALLUR CCPP	330.5	TAMIL NADU	1817.92	1.59	1.50	0.3	268360.81	381	0.00	
54	VALANTARVY CCPP	52.8	TAMIL NADU	380.42	0.25	0.38	0.26	0	0	6.49	
	Sub Total (SR)	4021.5		13380.02	19.33	22.88	7.07	284568.76	402.18	13537.50	
55	DLF ASSAM GT	24.5	ASSAM	0	0.12	0.1	0.04	0	0	73.88	
	Sub Total (NER)	24.5		0	0.12	0.1	0.04	0	0	73.88	
	Total (PVT IPP S)	7079		21624.9	35.0	34.60	12.1	284568.8	402.2	20217.03	
	GRAND TOTAL	18362.27		59910.91	92.49	81.73	40.0	285405.0	519.6	33646.18	

\$ Installed Capacity is as on last day of the March, 2013

* 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). 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.

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

(iii) Konaseema CCPP (GT -I = 140MW, GT -II = 140MW) commissioend in May 2009, Utran CCPP Extn. (374MW) commissioned on 10.10.2009 & Kondapalli CCPP GT(223 MW) commissiond on 5.12.2009.

(iv) Pragati CCGT-III (GT) (250 MW) commissioned on 27.06.12, Tripura CCGT (363.3 MW) commissioned on 03.01.2013, UNO SUGEN CCPP (382.5) commissioned on 20.01.2013 & Ramgarh GT (110 MW) commissioned on 30.03.2013.

** Out of total 515 MW capacity, 300

MW electricity is being supplied to grid & balance 215 MW is used as captive generation.

MUs - Million Units

MMSCMD - Million Standard Cubic Meters per Day

KL - Kilo Litre

HSD - High Speed Diesel