

## CENTRAL ELECTRICITY AUTHORITY

## FUEL MANAGEMENT DIVISION

## ANNUAL REPORT ON FUEL SUPPLY/CONSUMPTION FOR GAS BASED POWER STATIONS

2016-17

S. No	Name of Power Station	Installed Capacity (MW)	Name of the State	P / I	Gen (MUS)	Gas Alloted (MMSCMD)						GAS CONSUMED (MMSCMD)							Alternate fuel used(KL)		Gen Loss due to short supply of Gas (MUS)
						APM (Firm)	Non APM	KGD-6 (Firm)	RLNG		TOTAL	APM (Firm)	NON APM	KGD-6	RLNG			TOTAL	Naptha	HSD	
									LT	E-bid					LT	E-bid	SPOT				
(A) CENTRAL SECTOR																					
1	NTPC, FARIDABAD CCPP	431.59	HARYANA	P	1034.08	1.77	0	0.35	0.2	0.00	2.32	0.56	0.06	0.00	0.00	0.00	0.00	0.62	0.00	0	0
2	NTPC, ANTA CCPP	419.33	RAJASTHAN	P	695.17	1.58	0	0.24	0.5	0.00	2.32	0.38	0.08	0.00	0.09	0.00	0.40	0.95	0.00	0	0
3	NTPC, AURAIYA CCPP	663.36	UTTAR PRADESH	P	535.69	2.55	0	0.3	1	0.00	3.85	0.31	0.04	0.00	0.00	0.00	0.00	0.35	0.00	0	0
4	NTPC, DADRI CCPP	829.78	UTTAR PRADESH	P	2236.98	2.85	0	0.86	0.3	0.00	4.01	1.14	0.18	0.00	0.00	0.00	0.00	1.32	0.00	0	0
	Sub Total (NR)	2344.06			4501.92	8.75	0.00	1.75	2.00	0.00	12.50	2.39	0.36	0.00	0.09	0.00	0.40	3.24	0.00	0.00	0.00
5	NTPC, GANDHAR(JHANORE) CCPP	657.39	GUJARAT	P	2358.81	2.34	0.22	0.63	0.00	0.00	3.19	1.44	0.00	0.00	0.00	0.00	0.00	1.44	0.00	0	0
6	NTPC, KAWAS CCPP	656.2	GUJARAT	P	1717.00	3.39	0.6	2.08	0.00	0.00	6.07	0.94	0.06	0.00	0.00	0.00	0.00	1.00	0.00	0	0
7	RATNAGIRI (RGPL-DHABHOL)	1967	MAHARASHTRA	P	4560.01	0	0.6	7.6	0.00	2.43	10.63	0.00	0.09	0.00	0.00	2.29	0.00	2.38	0.00	0	11255.43
	Sub Total (WR)	3280.59			8635.82	5.73	1.42	10.31	0.00	2.43	19.89	2.38	0.15	0.00	0.00	2.29	0.00	4.82	0.00	0.00	11255.43
8	KATHALGURI (NEEPCO)	291	ASSAM	I	1572.62	1	0.4	0.00	0.00	0.00	1.4	0.97	0.19	0.00	0.00	0.00	0.00	1.17	0.00	0	521.05
9	MONARCHAK(NEEPCO)	101	TRIPURA	I	171.07	0.50	0.00	0.00	0.00	0.00	0.5	0.15	0.00	0.00	0.00	0.00	0.00	0.15	0.00	0	88
10	AGARTALA GT+ST (NEEPCO)	135	TRIPURA	I	889.37	0.75	0.00	0.00	0.00	0.00	0.75	0.18	0.49	0.00	0.00	0.00	0.00	0.67	0.00	0	0
11	TRIPURA CCPP (ONGC)	726.6	TRIPURA	I	4172.70	2.65	0.00	0.00	0.00	0.00	2.65	0.58	1.66	0.00	0.00	0.00	0.00	2.24	0.00	0	0
	Sub Total (NER)	1253.6			6805.76	4.9	0.4	0	0	0	5.3	1.88	2.35	0.00	0.00	0.00	0.00	4.23	0.00	0.00	608.61
	Total (CS)=A	6878.25			19943.50	19.38	1.82	12.06	2	2.43	37.69	6.65	2.86	0.00	0.09	2.29	0.40	12.29	0.00	0.00	11864.04
(B) STATE SECTOR																					
12	I.P.CCPP	270	DELHI	P	695.58	0.72	0.23	0.00	0.60	0.00	1.55	0.30	0.12	0.00	0.08	0.00	0.00	0.50	0.00	0.00	0
13	PRAGATI CCGT-III	1500	DELHI	P	2043.10	0.00	1.56	0.93	0.00	0.00	2.49	0.02	0.91	0.00	0.14	0.00	0.03	1.10	0.00	0.00	0
14	PRAGATI CCPP	330.4	DELHI	P	1805.67	2.03	0.02	0.00	0.20	0.00	2.25	0.66	0.01	0.00	0.34	0.00	0.02	1.03	0.00	0.00	8.38
15	DHOLPUR CCPP	330	RAJASTHAN	P	124.85	1.50	0.00	0.10	0.00	0.00	1.60	0.09	0.00	0.00	0.00	0.00	0.00	0.09	0.00	0.00	2821.37
16	RAMGARH (RRVUNL,Jaisalmer)	273.8	RAJASTHAN	I	1375.73	0.75	0.70	0.00	0.00	0.00	1.45	0.58	0.83	0.00	0.00	0.00	0.00	1.40	0.00	0.00	0
	Sub Total (NR)	2704.2			6044.93	5.00	2.51	1.03	0.80	0.00	9.34	1.64	1.87	0.00	0.56	0.00	0.05	4.12	0.00	0.00	2829.75
17	PIPAVAV CCPP	702	GUJARAT	P	216.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.13	0.00	0.00	0.00
18	DHUVRAN CCPP(GSECL)	594.72	GUJARAT	P	385.56	0.20	0.05	0.44	0.25	0.00	0.94	0.18	0.00	0.00	0.00	0.00	0.00	0.18	0.00	0.00	0
19	HAZIRA CCPP(GSEG)	156.1	GUJARAT	P	24.32	0.00	0.80	0.01	0.00	0.00	0.81	0.00	0.01	0.00	0.00	0.00	0.00	0.01	0.00	0.00	692.33
20	HAZIRA CCPP EXT	351	GUJARAT	P	230.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.13	0.00	0.00	703
21	UTRAN CCPP(GSECL)	518	GUJARAT	P	157.11	0.00	0.00	1.45	0.24	0.00	1.69	0.00	0.00	0.00	0.00	0.00	0.08	0.08	0.00	0.00	0
22	URAN CCPP (MAHAGENCO)	672	MAHARASHTRA	P	3295.07	3.50	0.00	1.40	0.00	0.00	4.90	1.80	0.40	0.00	0.00	0.00	0.00	2.20	0.00	0.00	1643.81
	Sub Total (WR)	2993.82			4308.87	3.70	0.85	3.30	0.49	0.00	8.34	1.98	0.41	0.00	0.00	0.00	0.34	2.73	0.00	0.00	3039.25
23	KARAIKAL CCPP (PPCL)	32.5	PUDUCHERRY	I	247.12	0.20	0.00	0.00	0.00	0.00	0.20	0.18	0.00	0.00	0.00	0.00	0.00	0.18	0.00	0.00	2.81
24	KOVIKALPAL (THIRUMAKOTTAI)	107	TAMIL NADU	I	347.98	0.45	0.00	0.00	0.00	0.00	0.45	0.24	0.00	0.00	0.00	0.00	0.00	0.24	0.00	0.00	512.16
25	KUTTALAM (TANGEDCO)	100	TAMIL NADU	I	376.51	0.45	0.00	0.00	0.00	0.00	0.45	0.22	0.02	0.00	0.00	0.00	0.00	0.24	0.00	0.00	112.00
26	VALUTHUR CCPP	186.2	TAMIL NADU	I	966.65	0.65	0.24	0.00	0.00	0.00	0.89	0.36	0.19	0.00	0.00	0.00	0.00	0.55	0.00	0.00	0
27	GODAVARI (JEGURUPADU)	216	ANDHRA PRADESH	I	929.31	0.90	0.20	0.21	0.00	0.00	1.31	0.33	0.20	0.00	0.00	0.00	0.00	0.53	0.00	0.00	868.17
	Sub Total (SR)	641.7			2867.56	2.65	0.44	0.21	0.00	0.00	3.30	1.33	0.41	0.00	0.00	0.00	0.00	1.74	0.00	0.00	1495.14
28	LAKWA GT (ASEB,Maibella)	157.2	ASSAM	I	896.20	0.40	0.50	0.00	0.00	0.00	0.90	0.48	0.25	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0
29	NAMRUP CCPP + ST (APGCL)	181.5	ASSAM	I	360.56	0.66	0.00	0.00	0.00	0.00	0.66	0.48	0.00	0.00	0.00	0.00	0.00	0.48	0.00	0.00	64.39
30	BARAMURA GT (TSECL)	58.5	TRIPURA	I	188.00	0.60	0.00	0.00	0.00	0.00	0.60	0.23	0.00	0.00	0.00	0.00	0.00	0.23	0.00	0.00	174.50
31	ROKHIA GT (TSECL)	111	TRIPURA	I	435.92	0.30	0.00	0.00	0.00	0.00	0.30	0.47	0.05	0.00	0.00	0.00	0.00	0.52	0.00	0.00	0
	Sub Total (NER)	508.2			1880.69	1.96	0.50	0.00	0.00	0.00	2.46	1.66	0.30	0.00	0.00	0.00	0.00	1.95	0.00	0.00	238.89
	Total (SS)=B	6847.92			15102.05	13.31	4.30	4.54	1.29	0.00	23.44	6.60	2.99	0.00	0.56	0.00	0.39	10.55	0.00	0.00	7603.03

S. No	Name of Power Station	Installed Capacity (MW)	Name of the State	P/ I	Gen (MUs)	Gas Alloted (MMSCMD)						GAS CONSUMED (MMSCMD)							Alternate fuel used(KL)		Gen Loss due to short supply of Gas (MUs)
						APM (Firm)	Non APM	KGD-6 (Firm)	RLNG		TOTAL	APM (Firm)	NON APM	KGD-6	RLNG			TOTAL	Naptha	HSD	
									LT	E-bid					LT	E-bid	SPOT				
(C) PVT/IPP SECTOR																					
32	RITHALA CCPP (NDPL)	108	DELHI	P	0.00	0.00	0.00	0.40	0.00	0.00	0.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	717.91
33	GAMA CCPP	225	UTTARAKHAND	P	388.35	0.00	0.00	0.00	0.00	0.48	0.48	0.00	0.00	0.00	0.00	0.23	0.00	0.23	0.00	0.00	0.00
34	KASHIPUR CCPP(Sravanthi)	225	UTTARAKHAND	P	574.95	0.00	0.00	0.00	0.00	0.80	0.80	0.00	0.00	0.00	0.00	0.36	0.00	0.36	0.00	0.00	42.62
	Sub Total (NR)	558			963.3	0	0	0.4	0	1.28	1.68	0	0	0	0	0.58333	0	0.58	0	0	760.53
35	TROMBAY CCPP (TPC)	180	MAHARASHTRA	P	1413.20	1.50	0.00	0.00	1.00	0.00	2.50	0.67	0.17	0.00	0.00	0.00	0.00	0.84	0.00	0.00	0.0
36	MANGAON CCPP	388	MAHARASHTRA	P	215.00	0.00	0.00	0.00	0.00	1.09	1.09	0.00	0.00	0.00	0.00	0.13	0.00	0.13	0.00	0.00	0.0
37	BARODA CCPP (GIPCL)	160	GUJARAT	P	59.01	0.28	0.08	0.09	0.30	0.00	0.75	0.02	0.00	0.00	0.02	0.00	0.00	0.04	0.00	0.00	392.78
38	ESSAR CCPP	300	GUJARAT	P	0.00	0.00	0.00	1.17	0.00	0.00	1.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
39	PAGUTHAN CCPP (GPEC)	655	GUJARAT	P	280.57	0.00	0.13	1.30	0.00	0.00	1.43	0.00	0.14	0.00	0.00	0.00	0.05	0.19	0.00	0.00	4946.96
40	SUGEN CCPP (TORRENT)	1147.5	GUJARAT	P	4771.45	0.90	0.00	3.31	1.14	0.00	5.35	0.32	0.00	0.00	0.96	0.00	1.05	2.33	0.00	0.00	4916.03
41	UNOSUGEN CCPP	382.5	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	3313.34
42	DGEN Mega CCPP	1200	GUJARAT	P	3.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.01	0.00	0.00	10434.18
	Sub Total (WR)	4413			6742.49	2.68	0.21	5.87	2.44	1.09	12.29	1.01	0.31	0	0.99	0.13	1.10	3.54	0.00	0.00	24003.29
43	GAUTAMI CCPP	464	ANDHRA PRADESH	P	0.00	1.96	0.00	1.86	0.00	0.00	3.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4099.52
44	GMR - KAKINADA (Tanirvavi)	220	ANDHRA PRADESH	P	0.00	0.00	0.00	0.88	0.00	0.00	0.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1489.20
45	GMR-Rajamundry Energy Ltd.	768	ANDHRA PRADESH	P	757.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.39	0.00	0.39	0.00	0.00	92.35
46	GODAVARI (SPECTRUM)	208	ANDHRA PRADESH	P	965.64	0.90	0.53	0.00	0.00	0.00	1.43	0.34	0.23	0.00	0.00	0.00	0.00	0.57	0.00	0.00	753.06
47	JEGURUPADU CCPP (GVK) PHASE- II	239.4	ANDHRA PRADESH	P	75.08	1.10	0.24	0.88	0.00	0.63	2.85	0.00	0.00	0.00	0.00	0.04	0.00	0.04	0.00	0.00	1935.14
48	KONASEEMA CCPP	445	ANDHRA PRADESH	P	0.00	0.00	0.00	1.78	0.00	0.00	1.78	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
49	KONDAPALLI EXTN CCPP	366	ANDHRA PRADESH	P	129.72	0.00	0.00	1.46	0.00			0.09	0.00	0.00	0.00	0.00	0.00	0.09	0.00	0.00	0
50	KONDAPALLI ST-3 CCPP (LANCO)	742	ANDHRA PRADESH	P	1266.30	0.00	0.00	0.00	0.00			0.08	0.00	0.00	0.00	0.58	0.00	0.66	0.00	0.00	0.00
51	KONDAPALLI CCPP (LANCO)	350	ANDHRA PRADESH	P	850.26	1.46	0.50	0.36	0.00	0.00	2.32	0.51	0.00	0.00	0.00	0.00	0.00	0.51	0.00	0.00	2349.39
52	PEDDAPURAM (BSES)	220	ANDHRA PRADESH	P	0.00	0.64	0.20	0.25	0.00	0.00	1.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1879.68
53	VEMAGIRI CCPP	370	ANDHRA PRADESH	P	308.24	1.64	0.00	1.48	0.00	1.04	4.16	0.00	0.00	0.00	0.00	0.11	0.00	0.11	0.00	0.00	490.00
54	VJESWARAN CCPP	272	ANDHRA PRADESH	P	692.19	1.32	0.00	0.00	0.00	0.00	1.32	0.42	0.00	0.00	0.00	0.00	0.00	0.42	0.00	0.00	1576.65
55	PCIL POWER AND HOLDINGS Ltd*	30	ANDHRA PRADESH	P	-	0.00	0.00	0.12	0.00	0.00	0.12	-	-	-	-	-	-	-	-	-	-
56	RVK ENERGY*	28	ANDHRA PRADESH	P	-	0.00	0.00	0.11	0.00	0.00	0.11	-	-	-	-	-	-	-	-	-	-
57	SILK ROAD SUGAR*	35	ANDHRA PRADESH	P	-	0.00	0.00	0.10	0.00	0.00	0.10	-	-	-	-	-	-	-	-	-	-
58	LVS POWER*	55	ANDHRA PRADESH	P	-	0.00	0.00	0.22	0.00	0.00	0.22	-	-	-	-	-	-	-	-	-	-
59	KARUPPUR CCPP (LANCO TANJORE)	119.8	TAMIL NADU	I	513.17	0.50	0.00	0.00	0.00	0.00	0.50	0.30	0.00	0.00	0.00	0.00	0.00	0.30	0.00	0.00	431.46
60	P.NALLUR CCPP (PPN)	330.5	TAMIL NADU	I	181.00	0.00	1.50	0.00	0.00	0.00	1.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	162106.38	975.59	0.00
61	VALANTARVY CCPP	52.8	TAMIL NADU	I	366.72	0.30	0.08	0.00	0.00	0.00	0.38	0.16	0.11	0.00	0.00	0.00	0.00	0.26	0.00	0.00	2.13
	Sub Total (SR)	5315.5			6105.83	9.82	3.05	9.50	0.00	4.78	27.15	1.90	0.34	0.00	0.00	1.12	0.00	3.36	162106.38	975.59	15098.58
62	DLF ASSAM GT*	24.5	ASSAM	I	-	0.00	0.10	0.00	0.00	0.00	0.10	-	-	-	-	-	-	-	-	-	-
	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)=C	10311			13811.62	12.50	3.36	15.77	2.44	7.14	41.21	2.91	0.65	0.00	0.99	1.83	1.10	7.48	162106.38	975.59	39862.40
	GRAND TOTAL=A+B+C	24037.17			48857.17	45.19	9.48	32.37	5.73	9.57	102.35	16.17	6.49	0.00	1.64	4.12	1.89	30.32	162106.38	975.59	59329.47

**Gas consumed v/s Gas Alloted Summary:**

Category	APM (Firm)	NON APM	KGD-6	RLNG			Total
				LT	E-bid	SPOT	
Gas alloted	45.19	9.48	32.37	5.73	9.57	-	<b>102.35</b>
Gas Consumed	16.17	6.49	0.00	1.64	4.12	1.89	<b>30.32</b>
% Gas Supplied w.r.t Gas Alloted	35.77	68.48	0.00	28.64	43.10	-	<b>29.63</b>

APM:Administerd price mechanism, RLNG:Regasified liquefied natural gas, LT:Long term, DNR=Data not received;

MMSCM- Million Metric Standard Cubic Meters,

MMSCMD - Million Metric Standard Cubic Metres/day=MMSCM/(No. of Days in a month)

P=Supply through Pipe Line, I=Isolated, MU -- Million Unit, KL-- Kilo Litre, (KL=1.35\*MT),

HSD -- High Speed Diesel,

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

\*PLANT UNDER S/D