

केंद्रीय विद्युत प्राधिकरण / CENTRAL ELECTRICITY AUTHORITY
ईंधन प्रबंधन प्रभाग / FUEL MANAGEMENT DIVISION

गैस पर आधारित विद्युत संयंत्र में ईंधन के मासिक आपूर्ति / उपभोग की अख्यायें / MONTHLY REPORT ON FUEL SUPPLY/CONSUMPTION FOR GAS BASED POWER STATIONS

Apr-24

S. No	Name of Power Station	Installed Capacity (MW)	Name of the State	Tentative Generation during the month (MUs)	Domestic Gas Allotted (MMSCMD)			RLNG (Imported)- Long Term Contracts	Gas Consumed/Supplied (MMSCMD)						Alternate fuel used(KL)		
					APM /Non-APM/PMT	KGD-6 (Firm)	Total		Domestic			RLNG (Imported)			TOTAL	Naptha	HSD
									APM /Non APM/PMT	KGD-6 / Auctioned Domestic Gas	Total	Long Term	SPOT	Total			
Plants connected with gas grid																	
A	Central Sector																
1	FARIDABAD CAPP	431.59	HARYANA	1.06	1.46	0.35	1.81	0.20	0.00	0.00	0.00	0.00	0.02	0.02	0.02	0.00	0.00
2	ANTA CAPP	419.33	RAJASTHAN	68.23	1.31	0.24	1.55	0.50	0.00	0.00	0.00	0.34	0.33	0.67	0.67	0.00	0.00
3	AURAIYA CAPP	663.36	UTTAR PRADESH	98.52	2.17	0.30	2.47	1.00	0.00	0.00	0.00	0.53	0.42	0.95	0.95	0.00	0.00
4	DADRI CAPP	829.78	UTTAR PRADESH	102.21	2.39	0.86	3.25	0.30	0.00	0.00	0.00	0.46	0.49	0.95	0.95	0.00	0.00
5	GANDHAR CAPP	657.39	GUJARAT	110.33	2.56	0.63	3.19	0.00	0.00	0.00	0.00	0.70	0.23	0.93	0.93	0.00	0.00
6	KAWAS CAPP	656.2	GUJARAT	105.56	3.64	2.08	5.72	0.00	0.00	0.00	0.00	0.60	0.28	0.88	0.88	0.00	0.00
7	RATNAGIRI CAPP	1967.08	MAHARASHTRA	183.55	0.90	7.60	8.50	1.75	0.00	0.00	0.00	0.00	1.25	1.25	1.25	0.00	0.00
	Sub Total	5624.73		669.46	14.43	12.06	26.49	3.75	0.00	0.00	0.00	2.63	3.02	5.65	5.65	0.00	0.00
B	State Sector																
8	I.P.CAPP	270	DELHI	6.98	0.95	0.00	0.95	0.60	0.00	0.00	0.00	0.07	0.00	0.07	0.07	0.00	0.00
9	PRAGATI CCGT-III	1500	DELHI	258.42	1.56	0.93	2.49	0.00	1.38	0.00	1.38	0.00	0.25	0.25	1.63	0.00	0.00
10	PRAGATI CAPP	330.4	DELHI	30.81	2.05	0.00	2.05	0.20	0.00	0.00	0.00	0.17	0.00	0.17	0.17	0.00	0.00
11	DHOLPUR CAPP	330	RAJASTHAN	0.00	1.50	0.10	1.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	DHUVARAN CAPP	594.72	GUJARAT	14.73	0.25	0.44	0.69	0.25	0.00	0.00	0.00	0.00	0.17	0.17	0.17	0.00	0.00
13	HAZIRA CAPP	156.1	GUJARAT	0.00	0.80	0.01	0.81	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14	HAZIRA CAPP EXT	351	GUJARAT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.10	0.10	0.00	0.00
15	PIPAVAV CAPP	702	GUJARAT	21.95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0.20	0.20	0.00	0.00
16	UTRAN CAPP	374	GUJARAT	14.64	0.00	1.45	1.45	0.24	0.00	0.00	0.00	0.00	0.20	0.20	0.20	0.00	0.00
17	URAN CAPP	672	MAHARASHTRA	225.51	3.50	1.40	4.90	0.00	1.78	0.00	1.78	0.00	0.00	0.00	1.78	0.00	0.00
18	JEGURUPADU CAPP PH	235.4	ANDHRA PRADESH	11.12	1.10	0.21	1.31	0.00	0.00	0.09	0.09	0.00	0.00	0.00	0.09	0.00	0.00
	Sub total	5515.62		584.16	11.71	4.54	16.25	1.29	3.17	0.09	3.26	0.24	0.92	1.16	4.42	0.00	0.00
C	Private Sector																
19	RITHALA CAPP	108	DELHI	0.00	0.00	0.40	0.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	GAMA CAPP	225	UTTARAKHAND	72.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.50	0.50	0.50	0.00	0.00
21	SRAVANTHI CAPP	439	UTTARAKHAND	185.38	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.27	1.27	1.27	0.00	0.00
22	BARODA CAPP	160	GUJARAT	0.00	0.36	0.09	0.45	0.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23	ESSAR CAPP	300	GUJARAT	0.00	0.00	1.17	1.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24	PEGUTHAN CAPP	655	GUJARAT	0.00	0.13	1.30	1.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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					APM /Non-APM/PMT	KGD-6 (Firm)	Total		Domestic			RLNG (Imported)			TOTAL	Naptha	HSD
									APM /Non APM/PMT	KGD-6 / Auctioned Domestic Gas	Total	Long Term	SPOT	Total			
25	SUGEN CCPP	1147.5	GUJARAT	487.40	0.90	3.31	4.21	1.14	0.00	0.00	0.00	1.42	1.64	3.06	3.06	0.00	0.00
26	UNOSUGEN CCPP	382.5	GUJARAT	156.90	0.00	0.00	0.00	0.00	0.00	0.43	0.43	0.00	0.53	0.53	0.97	0.00	0.00
27	DGEN MEGA CCPP	1200	GUJARAT	489.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.00	3.00	3.00	0.00	0.00
28	TROMBAY CCPP	180	MAHARASHTRA	120.44	1.50	0.00	1.50	1.00	0.85	0.00	0.85	0.00	0.00	0.00	0.85	0.00	0.00
29	MANGAON CCPP	388	MAHARASHTRA	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
30	GAUTAMI CCPP	464	ANDHRA PRADESH	0.00	1.96	1.86	3.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
31	GMR Energy Ltd - Kakinada	220	ANDHRA PRADESH	0.00	0.00	0.88	0.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
32	GREL CCPP (Rajahmundry)	768	ANDHRA PRADESH	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
33	GODAVARI CCPP	208	ANDHRA PRADESH	0.00	1.04	0.00	1.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
34	JEGURUPADU CCPP PH II	220	ANDHRA PRADESH	0.00	1.34	0.88	2.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
35	KONASEEMA CCPP	445	ANDHRA PRADESH	0.00	0.00	1.78	1.78	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
36	KONDAPALLI EXTN CCPP	366	ANDHRA PRADESH	0.00	0.00	1.46	1.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
37	KONDAPALLI ST-3 CCPP	742	ANDHRA PRADESH	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
38	KONDAPALLI CCPP	368.14	ANDHRA PRADESH	0.00	1.46	0.36	1.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
39	PEDDAPURAM CCPP	220	ANDHRA PRADESH	0.00	0.84	0.25	1.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
40	VEMAGIRI CCPP	370	ANDHRA PRADESH	0.00	1.64	1.48	3.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
41	VIJESWARAM CCPP	272	ANDHRA PRADESH	0.00	1.32	0.00	1.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Sub Total	9848.14		1512.24	12.49	15.22	27.71	2.44	0.85	0.43	1.28	1.42	6.93	8.35	9.64	0.00	0.00
I	Pipeline Total (A+B+C)	20988.49		2765.86	38.634	31.82	70.454	7.48	4.01234	0.525308	4.5377	4.2983	10.8641	15.1624	19.70003	0.00	0.00
Plants Connected with Isolated fields																	
A	Central Sector																
1	KATHALGURI CCPP	291	ASSAM	142.57	1.40	0.00	1.40	0.00	1.35	0.00	1.35	0.00	0.00	0.00	1.35	0.00	0.00
2	AGARTALA GT	135	TRIPURA	44.28	0.75	0.00	0.75	0.00	0.42	0.00	0.42	0.00	0.00	0.00	0.42	0.00	0.00
3	MONARCHAK CCPP	101	TRIPURA	44.54	0.50	0.00	0.50	0.00	0.36	0.00	0.36	0.00	0.00	0.00	0.36	0.00	0.00
4	TRIPURA CCPP	726.6	TRIPURA	316.48	2.65	0.00	2.65	0.00	2.18	0.00	2.18	0.00	0.00	0.00	2.18	0.00	0.00
	Sub Total	1253.6		547.87	5.30	0.00	5.30	0.00	4.31	0.00	4.31	0.00	0.00	0.00	4.31	0.00	0.00
B	Private Sector																
5	RAMGARH CCPP	273.8	RAJASTHAN	20.62	1.65	0.00	1.65	0.00	0.32	0.00	0.32	0.00	0.00	0.00	0.32	0.00	0.21
6	KARAIKAL CCPP	32.5	PUDUCHERRY	16.50	0.20	0.00	0.20	0.00	0.15	0.00	0.15	0.00	0.00	0.00	0.15	0.00	0.00
7	KOVIKALPAL CCPP	107	TAMIL NADU	0.00	0.45	0.00	0.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	KUTTALAM CCPP	100	TAMIL NADU	58.70	0.45	0.00	0.45	0.00	0.38	0.00	0.38	0.00	0.00	0.00	0.38	0.00	0.00
9	VALUTHUR CCPP	186.2	TAMIL NADU	89.08	0.89	0.00	0.89	0.00	0.70	0.00	0.70	0.00	0.00	0.00	0.70	0.00	0.00

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					APM /Non-APM/PMT	KGD-6 (Firm)	Total		Domestic			RLNG (Imported)			TOTAL	Naptha	HSD
									APM /Non APM/PMT	KGD-6 / Auctioned Domestic Gas	Total	Long Term	SPOT	Total			
10	LAKWA GT	97.2	ASSAM	39.24	0.50	0.00	0.50	0.00	0.39	0.00	0.39	0.00	0.00	0.00	0.39	0.00	0.00
11	LAKWA REPLACEMENT	69.8	ASSAM	35.17	0.40	0.00	0.40	0.00	0.27	0.00	0.27	0.00	0.00	0.00	0.27	0.00	0.00
12	NAMRUP CCPP	139.4	ASSAM	82.71	0.66	0.00	0.66	0.00	0.67	0.00	0.67	0.00	0.00	0.00	0.67	0.00	0.00
13	BARAMURA GT	42.0	TRIPURA	0.00	0.40	0.00	0.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14	ROKHIA GT	63.0	TRIPURA	25.33	0.50	0.00	0.50	0.00	0.38	0.00	0.38	0.00	0.00	0.00	0.38	0.00	0.00
	Sub Total	1110.86		367.35	6.10	0.00	6.10	0.00	3.26	0.00	3.26	0.00	0.00	0.00	3.26	0.00	0.21
C	Private Sector																
15	KARUPPUR CCPP	119.8	TAMIL NADU	0.00	0.50	0.00	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16	P.NALLUR CCPP	330.5	TAMIL NADU	0.00	1.50	0.00	1.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
17	VALANTARVY CCPP	52.8	TAMIL NADU	0.00	0.38	0.00	0.38	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Sub Total	503.1		0.00	2.38	0.00	2.38	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
II	Total Isolated (A+B+C)	2867.6		915.2	13.8	0.0	13.8	0.0	7.6	0.0	7.6	0.0	0.0	0.0	7.6	0.00	0.21
	GRAND TOTAL=I+II	23856.05		3681.08	52.41	31.82	84.23	7.48	11.58	0.53	12.10	4.30	10.86	15.16	27.27	0.00	0.21

Gas Consumed/Supplied v/s Gas Allotted Summary:

Gas based capacity	Installed Capacity (MW)	Domestic Gas Allotted (MMSCMD)			RLNG (Imported)- Long Term Contracts	Gas Consumed/Supplied (MMSCMD)							PLF (April-24)	Cumulative PLF (Apr'24 - Apr'24)
		APM /Non-APM/PMT	KGD-6 (Firm)	Total		Domestic			RLNG (Imported)			TOTAL		
						APM /Non APM/PMT	KGD-6 / Auctioned Domestic Gas	Total	Long Term	SPOT	Total			
Plants connected with gas grid	20988.49	38.634	31.82	70.454	7.480	4.01	0.53	4.54	4.30	10.86	15.16	19.70	18.3%	18.3%
Plants Connected with Isolated fields	2867.6	13.8	0.0	13.8	0.0	7.6	0.0	7.6	0.0	0.0	0.0	7.6	44.3%	44.3%
Total	23856.05	52.41	31.82	84.23	7.48	11.58	0.53	12.10	4.30	10.86	15.16	27.27	21.4%	21.4%

APM:Administered 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,

*PLANT UNDER SHUT DOWN

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

***Unosugen CCPP won 8,250 MMBTU (approx. 0.21 MMSCMD at 9,880 GCV) quantum of gas from R-Cluster fields through online bidding process/auction conducted during October/November in 2019.