

GOVERNMENT OF INDIA
MINISTRY OF POWER
RAJYA SABHA
UNSTARRED QUESTION NO.3189
ANSWERED ON 28.03.2023

ELECTRICITY FROM GAS PLANTS

3189 # SHRI NARAIN DASS GUPTA:

Will the Minister of **POWER**
be pleased to state:

- (a) the total number of gas plants at present along with their location from which electricity is being generated in the country;
- (b) whether some of the gas plants are closed down;
- (c) if so, the reasons therefor;
- (d) whether Government is considering to restart these closed gas plants; and
- (e) if not, the reasons therefor?

A N S W E R

THE MINISTER OF POWER AND NEW & RENEWABLE ENERGY

(SHRI R.K. SINGH)

(a): The Central Electricity Authority under Ministry of Power, monitors 62 gas based power stations, with a total capacity of 23,845 MW using gas as primary fuel. The list of gas based power plants, along with their location, is attached at **Annexure**.

The requirement of gas for these power plants at 90% Plant Load Factor (PLF) is 115 Million Metric Standard Cubic Meters per day (MMSCMD). During the year 2022-23 (April, 2022 to January, 2023), the total gas available to power sector was only about 16.14 MMSCMD, comprising of 13.21 MMSCMD domestic gas and 2.93 MMSCMD imported Re-gasified Liquefied Natural Gas (RLNG).

(b) & (c) : During 2022-23 (April, 2022 to January, 2023), the gas based capacity of 9308 MW (28 gas based plants) had NIL generation and the overall Plant Load Factor (PLF) of gas-based power plants remained only around 12% due to less availability of domestic gas and high price of imported RLNG.

(d) & (e): In order to meet the projected peak demand of around 230 GW during April – May, 2023, the Government of India approved a mechanism for operationalization of around 5000 MW NTPC gas based capacity during this period. Further, the Government has also planned for additional procurement of power from gas based capacity (other than NTPC Plants) during this period.

ANNEXURE REFERRED TO IN REPLY TO PART (a) OF UNSTARRED QUESTION NO. 3189
ANSWERED IN THE RAJYA SABHA ON 28.03.2023

**List of gas based power plants monitored in the CEA, with tentative generation during the
year 2022-23 (April-January)**

Sl. No	Name of Power Station	Installed Capacity (MW)	Name of the State/UT	Generation during 2022-23 (Apr-Jan) (Million Units)
(A) CENTRAL SECTOR				
1	NTPC, FARIDABAD CCPP	431.59	HARYANA	2.59
2	NTPC, ANTA CCPP	419.33	RAJASTHAN	122.29
3	NTPC, AURAIYA CCPP	663.36	UTTAR PRADESH	213.10
4	NTPC, DADRI CCPP	829.78	UTTAR PRADESH	669.73
	Sub Total (NR)	2344.06		1007.71
5	NTPC, GANDHAR(JHANORE) CCPP	657.39	GUJARAT	252.72
6	NTPC, KAWAS CCPP	656.20	GUJARAT	247.57
7	RATNAGIRI (RGPL-DHABHOL)	1967.08	MAHARASHTRA	302.88
	Sub Total (WR)	3280.67		803.17
8	KATHALGURI (NEEPCO)	291.00	ASSAM	1407.42
9	AGARTALA GT+ST (NEEPCO)	135.00	TRIPURA	717.06
10	MONARCHAK(NEEPCO)	101.00	TRIPURA	614.20
11	TRIPURA CCPP (ONGC)	726.60	TRIPURA	4047.85
	Sub Total (NER)	1253.60		6786.53
	Total (CS)=A	6878.33		8597.41
(B) STATE SECTOR				
12	I.P.CCPP	270.00	DELHI	285.93
13	PRAGATI CCGT-III	1500.00	DELHI	2313.66
14	PRAGATI CCPP	330.40	DELHI	819.05
15	DHOLPUR CCPP	330.00	RAJASTHAN	0.00
16	RAMGARH (RRVUNL, Jaisalmer)	273.80	RAJASTHAN	1134.80
	Sub Total (NR)	2704.20		4553.44
17	DHUVARAN CCPP(GSECL)	594.72	GUJARAT	0.00
18	HAZIRA CCPP(GSEG)	156.10	GUJARAT	0.00
19	HAZIRA CCPP EXT	351.00	GUJARAT	0.84
20	PIPAVAV CCPP	702.00	GUJARAT	6.56
21	UTRAN CCPP (GSECL)	374.00	GUJARAT	0.00
22	URAN CCPP (MAHAGENCO)	672.00	MAHARASHTRA	1255.89
	Sub Total (WR)	2849.82		1263.29
23	GODAVARI (JEGURUPADU)	235.40	ANDHRA PRADESH	244.66
24	KARAIKAL CCPP (PPCL)	32.50	PUDUCHERRY	193.12
25	KOVIKALPAL (THIRUMAKOTTAI)	107.00	TAMIL NADU	142.93
26	KUTTALAM (TANGEDCO)	100.00	TAMIL NADU	403.27
27	VALUTHUR CCPP	186.20	TAMIL NADU	855.61
	Sub Total (SR)	661.10		1839.59

28	LAKWA GT (ASEB, Maibella)	97.20	ASSAM	445.13
29	LAKWA Replacement CCPP	69.76	ASSAM	419.44
30	NAMRUP CCPP + ST (APGCL)	162.40	ASSAM	538.27
31	BARAMURA GT (TSECL)	42.00	TRIPURA	269.68
32	ROKHIA GT (TSECL)	95.00	TRIPURA	194.88
	Sub Total (NER)	466.36		1867.40
	Total (SS)=B	6681.48		9523.72
(C) PVT/IPP SECTOR				
33	RITHALA CCPP (NDPL)	108.00	DELHI	0.00
34	GAMA CCPP	225.00	UTTARAKHAND	0.00
35	KASHIPUR CCPP(Sravanthi)	225.00	UTTARAKHAND	0.00
	Sub Total (NR)	558.00		0.00
36	BARODA CCPP (GIPCL)	160.00	GUJARAT	0.00
37	ESSAR CCPP	300.00	GUJARAT	0.00
38	PAGUTHAN CCPP (CLP)	655.00	GUJARAT	0.00
39	SUGEN CCPP (TORRENT)	1147.50	GUJARAT	1106.64
40	UNOSUGEN CCPP	382.50	GUJARAT	47.23
41	DGEN Mega CCPP	1200.00	GUJARAT	0.00
42	TROMBAY CCPP (TPC)	180.00	MAHARASHTRA	503.57
43	MANGAON CCPP	388.00	MAHARASHTRA	0.00
	Sub Total (WR)	4413.00		1657.44
44	GAUTAMI CCPP	464.00	ANDHRA PRADESH	0.00
45	GMR - KAKINADA (Tanirvavi)	220.00	ANDHRA PRADESH	0.00
46	GMR-Rajamundry Energy Ltd.	768.00	ANDHRA PRADESH	0.00
47	GODAVARI (SPECTRUM)	208.00	ANDHRA PRADESH	0.00
48	JEGURUPADU CCPP (GVK) PHASE- II	220.00	ANDHRA PRADESH	0.00
49	KONASEEMA CCPP	445.00	ANDHRA PRADESH	0.00
50	KONDAPALLI EXTN CCPP .	366.00	ANDHRA PRADESH	0.00
51	KONDAPALLI ST-3 CCPP (LANCO)	742.00	ANDHRA PRADESH	0.00
52	KONDAPALLI CCPP (LANCO)	368.14	ANDHRA PRADESH	0.00
53	PEDDAPURAM (BSES)	220.00	ANDHRA PRADESH	0.00
54	VEMAGIRI CCPP	370.00	ANDHRA PRADESH	0.00
55	VIJESWARAN CCPP	272.00	ANDHRA PRADESH	365.34
56	PCIL POWER AND HOLDINGS Ltd	30.00	ANDHRA PRADESH	0.00
57	RVK ENERGY	28.00	ANDHRA PRADESH	0.00
58	SILK ROAD SUGAR	35.00	ANDHRA PRADESH	0.00
59	LVS POWER	55.00	ANDHRA PRADESH	0.00
60	KARUPPUR CCPP (LANCO TANJORE)	119.80	TAMIL NADU	55.15
61	P.NALLUR CCPP (PPN)	330.50	TAMIL NADU	69.11
62	VALANTARVY CCPP	52.80	TAMIL NADU	0.00
	Sub Total (SR)	5314.24		489.60
	Total (PVT/ IPP S)=C	10285.24		2147.04
	GRAND TOTAL=A+B+C	23845.05		20268.17
