

**GOVERNMENT OF INDIA
MINISTRY OF POWER**

**LOK SABHA
STARRED QUESTION NO.325
TO BE ANSWERED ON 03.01.2019**

GAS BASED POWER PLANTS

***325. SHRI GAURAV GOGOI:**

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

- (a) whether the Government is aware that more than 50 per cent of the country's GW gas based power plants, capacities are 'stranded' or 'unutilized';**
- (b) if so, the facts and details in this regard;**
- (c) whether the exact reasons for GW gas based power plants' capacities being 'stranded' or 'unutilised' have since been assessed; and**
- (d) if so, the details thereof and the steps the Government has taken to remove the hurdles coming in the way of gas based power plants to achieve optimal output?**

A N S W E R

**THE MINISTER OF STATE (INDEPENDENT CHARGE) FOR POWER AND
NEW & RENEWABLE ENERGY**

(SHRI R.K. SINGH)

(a) to (d) : A Statement is laid on the Table of the House.

STATEMENT

STATEMENT REFERRED TO IN REPLY TO PARTS (a) TO (d) OF STARRED QUESTION NO.325 TO BE ANSWERED IN THE LOK SABHA ON 03.01.2019 REGARDING GAS BASED POWER PLANTS.

(a) to (c) : The present gas based installed capacity for power generation in the country is 24,937 MW and the Central Electricity Authority monitors a capacity of 23,883 MW (all natural gas based plants above 25 MW, excluding liquid fuel). The details of installed capacity and monitored capacity are placed at Annexure-A. Gas based power generation capacity of 14305 MW (11304 MW commissioned and 3001 MW under construction) is stranded due to non-availability of domestic gas, which is 51.2% of the gas based capacity (installed and under construction). State-wise list of stranded gas based capacity is at Annexure-B. The main reason for stranded gas based capacity is insufficient availability of domestic gas, particularly from Krishna Godavari Dhirubhai - 6 (KG D-6) basin. The supply of gas to power sector from this field is NIL since March, 2013.

(d) : Government has made provision for Nil Custom duty on import of Liquefied Natural Gas (LNG) and Natural Gas (NG), if it is used for generation of electrical energy by a generating company as defined in section 2(28) of the Electricity Act, 2003 (36 of 2003) to supply electrical energy or to engage in the business of supplying electrical energy to the grid. Gas based power plants are free to import the Liquefied Natural Gas (LNG), generate power and sell it to the consumers.

ANNEXURE-A

ANNEXURE REFERRED TO IN PARTS (a) TO (c) OF THE STATEMENT LAID IN REPLY TO STARRED QUESTION NO. 325 TO BE ANSWERED IN THE LOK SABHA ON 03.01.2019 REGARDING GAS BASED POWER PLANTS.

Details of installed capacity and monitored Capacity

Sl. No.	State	Sector	Developer	Name of Project	CAPACITY (MW)		REMARKS
					INSTALLED	MONITORED	
1	Andhra Pradesh	Private Sector	GAUTAMI POWER LIMITED	GAUTAMI CCPP	464.00	464.00	Monitored
2	Andhra Pradesh	Private Sector	LANCO KONDAPALLI POWER PVT. LTD.	KONDAPALLI ST-3 CCPP	742.00	742.00	Monitored
3	Andhra Pradesh	Private Sector	SPECTRUM POWER GENERATION LIMITED	GODAVARI CCPP	208.00	208.00	Monitored
4	Andhra Pradesh	Private Sector	GMR RAJAHMUNDY ENERGY LIMITED	GREL CCPP (Rajahmundry)	768.00	768.00	Monitored
5	Andhra Pradesh	Private Sector	GVK ENERGY LIMITED	JEGURUPADU CCPP Ph II	220.00	220.00	Monitored
6	Andhra Pradesh	Private Sector	KONASEEMA GAS POWER LIMITED	KONASEEMA CCPP	445.00	445.00	Monitored
7	Andhra Pradesh	Private Sector	LANCO KONDAPALLI POWER PVT. LTD.	KONDAPALLI CCPP	350.00	350.00	Monitored
8	Andhra Pradesh	Private Sector	LANCO KONDAPALLI POWER PVT. LTD.	KONDAPALLI EXTN CCPP	366.00	366.00	Monitored
9	Andhra Pradesh	Private Sector	RELIANCE INFRASTRUCTURE LIMITED - A.P.	PEDDAPURAM CCPP	220.00	220.00	Monitored
10	Andhra Pradesh	Private Sector	GMR ENERGY LIMITED	GMR Energy Ltd - Kakinada	220.00	220.00	Monitored
11	Andhra Pradesh	Private Sector	GMR VEMAGIRI POWER GENERATION LIMITED	VEMAGIRI CCPP	370.00	370.00	Monitored
12	Andhra Pradesh	Private Sector	A.P. GAS POWER CORPORATION LIMITED	VIJESWARAM CCPP	272.00	272.00	Monitored
13	Andhra Pradesh	State Sector	AP EASTERN POWER DISTRIBUTION COMPANY LIMITED	JEGURUPADU CCPP PH I	235.40	235.40	Monitored
14	Assam	Central Sector	NORTH-EASTERN ELECTRIC POWER CORPORATION LIMITED	KATHALGURI CCPP	291.00	291.00	Monitored
15	Assam	Private Sector	DLF POWER SUPPLY COMPANY LIMITED	Adamtilla CCPP	24.50	24.50	Monitored
16	Assam	State Sector	ASSAM POWER GENERATION CORPORATION LIMITED	LAKWA GT	97.20	97.20	Monitored
17	Assam	State Sector	ASSAM POWER GENERATION CORPORATION LIMITED	LAKWA Replacement CCPP	69.76	69.76	Monitored
17	Assam	State Sector	ASSAM POWER GENERATION CORPORATION LIMITED	NAMRUP CCPP	161.25	161.25	Monitored
18	Delhi	Private Sector	NORTH DELHI POWER LIMITED	RITHALA CCPP	108.00	108.00	Monitored
19	Delhi	State Sector	INDRAPRASTHA POWER GENERATION COMPANY LIMITED	I.P.CCPP	270.00	270.00	Monitored
20	Delhi	State Sector	PRAGATI POWER CORPORATION LIMITED	PRAGATI CCPP	330.40	330.40	Monitored
21	Delhi	State Sector	PRAGATI POWER CORPORATION LIMITED	PRAGATI CCGT-III	1500.00	1500.00	Monitored
22	Goa	Private Sector	RELIANCE ENERGY TRADING (P) LIMITED	GOA CCPP (Liq.)	48.00	-	Liquid, Not monitored
23	Gujarat	Central Sector	NTPC LIMITED	GANDHAR CCPP	657.39	657.39	Monitored
24	Gujarat	Central Sector	NTPC LIMITED	KAWAS CCPP	656.20	656.20	Monitored
25	Gujarat	Private Sector	GUJARAT INDUSTRIES POWER COMPANY LIMITED	BARODA CCPP	160.00	160.00	Monitored
26	Gujarat	Private Sector	TORRENT POWER LTD	DGEN MEGA CCPP	1200.00	1200.00	Monitored
27	Gujarat	Private Sector	ESSAR POWER LIMITED	ESSAR CCPP	515.00	300.00	Monitored
28	Gujarat	Private Sector	CLP INDIA PRIVATE LTD.	PEGUTHAN CCPP	655.00	655.00	Monitored
29	Gujarat	Private Sector	SUGEN MEGA POWER PROJECT - TORRENT POWER LTD	SUGEN CCPP	1147.50	1147.50	Monitored
30	Gujarat	Private Sector	TORRENT POWER LTD	UNOSUGEN CCPP	382.50	382.50	Monitored
31	Gujarat	State Sector	GUJARAT STATE ELECTRICITY CORPORATION LIMITED	DHUVARAN CCPP	594.72	594.72	Monitored
32	Gujarat	State Sector	GUJARAT STATE ENERGY GENERATION LIMITED	HAZIRA CCPP	156.10	156.10	Monitored
33	Gujarat	State Sector	GUJARAT STATE ENERGY GENERATION LIMITED	HAZIRA CCPP EXT	351.00	351.00	Monitored
34	Gujarat	State Sector	GSPC - PIPAVAV POWER COMPANY LTD.	PIPAVAV CCPP	702.00	702.00	Monitored
35	Gujarat	State Sector	GUJARAT STATE ELECTRICITY CORPORATION LIMITED	UTRAN CCPP	374.00	374.00	Monitored
36	Haryana	Central Sector	NTPC LIMITED	FARIDABAD CCPP	431.59	431.59	Monitored
37	Jammu & Kashmir	State Sector	J&K STATE POWER DEVELOPMENT CORPORATION	PAMPORE GPS (Liq.)	175.00	-	Liquid

38	Kerala	Central Sector	NTPC LIMITED	R. GANDHI CCPP (Liq.)	359.58	-	Liquid
39	Kerala	Private Sector	BSES KERALA POWER LIMITED	COCHIN CCPP (Liq.)	174.00	-	Liquid
40	Maharashtra	Central Sector	RATNAGIRI GAS POWER PRIVATE LIMITED	RATNAGIRI CCPP	1967.08	1967.08	Monitored
41	Maharashtra	Private Sector	TATA POWER COMPANY LTD.	TROMBAY CCPP	180.00	180.00	Monitored
42	Maharashtra	Private Sector	PIONEER GAS POWER LTD.	MANGAON CCPP	388.00	388.00	Monitored
43	Maharashtra	State Sector	MAHARASHTRA STATE POWER GENERATION COMPANY LIMITED	URAN CCPP	672.00	672.00	Monitored
44	Puducherry	State Sector	PUDUCHERRY POWER CORPORATION LTD.	KARAIKAL CCPP	32.50	32.50	Monitored
45	Rajasthan	Central Sector	NTPC LIMITED	ANTA CCPP	419.33	419.33	Monitored
46	Rajasthan	State Sector	RAJASTHAN RAJYA VIDYUT UTPADAN NIGAM LIMITED	DHOLPUR CCPP	330.00	330.00	Monitored
47	Rajasthan	State Sector	RAJASTHAN RAJYA VIDYUT UTPADAN NIGAM LIMITED	RAMGARH CCPP	273.80	273.80	Monitored
48	Tamil Nadu	Private Sector	LANCO-TANJORE POWER LIMITED	KARUPPUR CCPP	119.80	119.80	Monitored
49	Tamil Nadu	Private Sector	PPN POWER GENERATION COMPANY PVT LTD.	P.NALLUR CCPP	330.50	330.50	Monitored
50	Tamil Nadu	Private Sector	PIONEER POWER LTD	VALANTARVY CCPP	52.80	52.80	Monitored
51	Tamil Nadu	State Sector	TAMIL NADU GENERATION & DISTRIBUTION CORP. LTD.	BASIN BRIDGE GT (Liq.)	120.00	-	Liquid
52	Tamil Nadu	State Sector	TAMIL NADU GENERATION & DISTRIBUTION CORP. LTD.	KOVIKALPAL CCPP	107.88	107.00	Monitored
53	Tamil Nadu	State Sector	TAMIL NADU GENERATION & DISTRIBUTION CORP. LTD.	KUTTALAM CCPP	100.00	100.00	Monitored
54	Tamil Nadu	State Sector	TAMIL NADU GENERATION & DISTRIBUTION CORP. LTD.	NARIMANAM GPS	10.00	-	Not monitored as capacity less than 25 MW
55	Tamil Nadu	State Sector	TAMIL NADU GENERATION & DISTRIBUTION CORP. LTD.	VALUTHUR CCPP	186.20	186.20	Monitored
56	Tripura	Central Sector	NORTH-EASTERN ELECTRIC POWER CORPORATION LIMITED	AGARTALA GT	135.00	135.00	Monitored
57	Tripura	Central Sector	OTPC LIMITED	TRIPURA CCPP	726.60	726.60	Monitored
58	Tripura	Central Sector	NORTH-EASTERN ELECTRIC POWER CORPORATION LIMITED	MONARCHAK CCPP	101.00	101.00	Monitored
59	Tripura	State Sector	TRIPURA STATE ELECTRICITY CORPORATION LIMITED	BARAMURA GT	58.50	58.50	Monitored
60	Tripura	State Sector	TRIPURA STATE ELECTRICITY CORPORATION LIMITED	ROKHIA GT	111.00	111.00	Monitored
61	Uttar Pradesh	Central Sector	NTPC LIMITED	AURAIYA CCPP	663.36	663.36	Monitored
62	Uttar Pradesh	Central Sector	NTPC LIMITED	DADRI CCPP	829.78	829.78	Monitored
63	Uttarakhand	Private Sector	GAMA INFRAPROP PVT. LTD.	GAMA CCPP	225.00	225.00	Monitored
64	Uttarakhand	Private Sector	SRAVANTHI ENERGY PVT LTD.	KASHIPUR CCPP	225.00	225.00	Monitored
65	West Bengal	State Sector	WEST BENGAL POWER DEVELOPMENT CORP. LIMITED	HALDIA GT (Liq.)	40.00	-	Liquid
66	West Bengal	State Sector	WEST BENGAL POWER DEVELOPMENT CORP. LIMITED	KASBA GT (Liq.)	40.00	-	Liquid
67	West Bengal	State Sector	WEST BENGAL POWER DEVELOPMENT CORP. LIMITED	SILIGURI GPS	20.00	-	Not monitored as capacity less than 25 MW

Note: 1. ESSAR CCPP out of 515 MW, 300 MW is monitored in gas report

2. 148 MW additional capacity is being monitored (list given below) as EGOM had allotted kgd6 gas for these plants but these plants are not in CEA Installed capacity.

	Andhra Pradesh			PCIL POWER AND HOLDINGS Ltd*		30.00	
	Andhra Pradesh			RVK ENERGY*		28.00	
	Andhra Pradesh			SILK ROAD SUGAR*		35.00	
	Andhra Pradesh			LVS POWER*		55.00	
					24937.22	23882.76	

ANNEXURE-B

ANNEXURE REFERRED TO IN PARTS (a) TO (c) OF THE STATEMENT LAID IN REPLY TO STARRED QUESTION NO. 325 TO BE ANSWERED IN THE LOK SABHA ON 03.01.2019 REGARDING GAS BASED POWER PLANTS.

STRANDED GAS BASED CAPACITY (ALL INDIA)

Sl. No	Name of Project	Sector	Developer	Installed Capacity (MW)	State	Status
1	GAUTAMI CCPP	P	GVK Gautami Power Ltd	464	ANDHRA PRADESH	Commissioned
2	GMR - KAKINADA (Tanirvavi)	P	GMR Energy	220	ANDHRA PRADESH	Commissioned
3	JEGURUPADU CCPP	P	GVK Industries Ltd	220.5	ANDHRA PRADESH	Commissioned
4	KONASEEMA CCPP	P	Konaseema Power	445	ANDHRA PRADESH	Commissioned
5	KONDAPALLI EXTN CCPP .	P	Lanco Power	366	ANDHRA PRADESH	Commissioned
6	VEMAGIRI CCPP	P	GMR Energy	370	ANDHRA PRADESH	Commissioned
7	SRIBA INDUSTRIES	P	PCIL Power & Holdings Limited	30	ANDHRA PRADESH	Commissioned
8	RVK ENERGY	P	RVK Energy	28	ANDHRA PRADESH	Commissioned
9	SILK ROAD SUGAR	P	SILK ROAD SUGAR	35	ANDHRA PRADESH	Commissioned
10	LVS POWER	P	LVS Power	55	ANDHRA PRADESH	Commissioned
11	GMR VEMAGIRI EXP	P	GMR Energy	768	ANDHRA PRADESH	Commissioned
12	KONDAPALLI EXP ST-III	P	Lanco Power	742	ANDHRA PRADESH	Commissioned
13	PRAGATI CCGT-III	S	Pragati Power Corporation Ltd	750	DELHI	Commissioned
14	RITHALA CCPP	P	NDPL	108	DELHI	Commissioned
15	DHUVARAN CCPP(GSECL)	S	Gujarat State Electricity Corporation Ltd	112	GUJARAT	Commissioned
16	UTRAN CCPP(GSECL)	S	Gujarat State Electricity Corporation Ltd	374	GUJARAT	Commissioned
17	PIPAVAV CCPP	S	GSPC Pipavav Power Company Ltd	702	GUJARAT	Commissioned
18	DHUVARAN CCPP	S	Gujarat State Electricity Corporation Ltd	376.3	GUJARAT	Commissioned
19	HAZIRA CCPP EXT	S	Gujarat State Energy Generation Ltd	351	GUJARAT	Commissioned
20	VATWA CCPP*	P	Torrent Power	100	GUJARAT	Commissioned

21	ESSAR CCPP	P	Essar Power	300	GUJARAT	Commissioned
22	UNOSUGEN CCPP	P	Torrent Power	382.5	GUJARAT	Commissioned
23	DGEN Mega CCPP	P	Torrent Power	1200	GUJARAT	Commissioned
24	RATNAGIRI (RGPPL-DHABHOL)	C	NTPC	1967	MAHARASHTRA	Commissioned
25	CCGT BY PIONEER GAS POWER LTD	P	Pioneer Gas Power Ltd	388	MAHARASHTRA	Commissioned
26	GAMA INFRAPROP CCGT	P	Gama Infraprop	225	UTTARKHAND	Commissioned
27	KASHIPUR SRAVANTHI ST-I	P	Sravanthi Energy	225	UTTARKHAND	Commissioned
28	KASHIPUR SRAVANTHI ST-I&II	P	Sravanthi Energy	225	UTTARKHAND	Under Construction
29	SAMALKOT EXP	P	Reliance Infra	2400	ANDHRA PRADESH	Under Construction
30	CCGT BY PANDURANGA	P	Panduranga Energy	116	ANDHRA PRADESH	Under Construction
31	GAS ENGINE BY ASTHA	P	Astha Power	35	TELENGANA	Under Construction
32	BETA INFRATECH CCGT	P	Beta Infratech	225	UTTARKHAND	Under Construction
	TOTAL			14305		

C: Central Sector; S: State Sector; P: Private Sector;

* Vatwa CCPP was retired in 2015-16
