

**GOVERNMENT OF INDIA
MINISTRY OF POWER**

**LOK SABHA
STARRED QUESTION NO.299
TO BE ANSWERED ON 15.03.2018**

SHORTAGE OF FUEL FOR POWER PLANTS

***299. SHRI BHARTRUHARI MAHTAB:
SHRI SANJAY DHOTRE:**

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

(a) whether the shortage/non-availability of fuel for power generation plants/stations and its adverse impact on power generation of various States are still persisting in the country despite several measures taken by the Government in this regard;

(b) if so, the details thereof along with the fuel supplied to power plants/stations across the country during each of the last three years and the current year, State-wise;

(c) whether there are a number of power plants/stations which are on the verge of closure due to high cost of fuel and if so, the details thereof, State-wise;

(d) whether the Government proposes to provide cheap fuel or financial assistance to such plants/stations for their survival in the country and if so, the details thereof, State-wise; and

(e) the other steps taken by the Government to ensure timely and uninterrupted fuel supply at affordable rates to the power generation plants/stations across the country?

A N S W E R

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

(SHRI R. K. SINGH)

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

STATEMENT

STATEMENT REFERRED TO IN REPLY TO PARTS (a) TO (e) OF STARRED QUESTION NO. 299 TO BE ANSWERED IN THE LOK SABHA ON 15.03.2018 REGARDING SHORTAGE OF FUEL FOR POWER PLANTS.

(a) & (b): Due to several measures taken by the Government, the availability of coal in power plants have improved. The overall coal stock position in the coal based power plants have increased from 7.3 Million Tonnes (MT), as on 19.10.2017, to 15.3 MT, as on 07.03.2018.

The receipt of coal by the coal based power plants during the last three years and the current year, state-wise, are given at Annex-I.

The availability of domestic gas for power sector is very low as availability of gas from KG D6 field is reduced drastically. The details of the gas allotted and supplied/consumed during the last 3 years and the current year (Upto January, 2018) are given at Annex-II.

(c) to (e): No coal based power plants/stations are on the verge of closure due to high cost of coal.

As regards gas based power plants, domestic natural gas is allocated as per the prevailing gas allocation policy and supplied depending upon the availability. The total gas based installed capacity in the country is 25150 MW, and the gas required for this capacity is around 114 Million Metric Standard Cubic Meters per Day (MMSCMD). Against this requirement, only 22.91 MMSCMD domestic gas was supplied to the gas based power stations in the year 2017-18 (upto Jan 2018), and the average Plant Load Factor (PLF) of the gas based stations including the capacity run on imported gas is 23% during this period.

The power plants are free to import the natural gas based on their requirements. However, due to high cost of imported Liquefied Natural Gas (LNG), the cost of power produced from this gas is also higher and, therefore, not scheduled by the DISCOMs. As a result, many gas based power plants are not operating at their full capacity and some of them are not at all operating.

There is no proposal under consideration at present to provide financial assistance to any gas based power plants.

.....2.

Government of India has taken the following initiatives for improving supply of Coal and for bringing down effective cost of coal to thermal power plants:

- (i) After the cancellation of 204 coal blocks, Govt. of India formulated a transparent policy for reallocation of cancelled coal mines in a fair and transparent method. Government ensured re-allocation of 51 blocks to power sector, supporting capacity of about 62,000 MW through auction/allotment till date.**
- (ii) Govt. started separate e-auction window for power sector from April 2016 under which Coal India Ltd. (CIL) is making arrangements for conduct of forward e-auction of coal exclusively for power sector on a sustained basis, offering adequate quantities at regular intervals so that coal is made available to such power plants on a regular basis.**
- (iii) Govt. notified policy guidelines for grant of Bridge Linkage to specified end use plants of Central and State Public Sector Undertakings (both in Power as well as Non-Power sector) which have been allotted coal mines or blocks. Bridge linkages applications for public sector power projects in prescribed formats have been approved.**
- (iv) Govt., on 17.05.2017, approved SHAKTI (Scheme for Harnessing and Allocating Koyala Transparently in India). Under this scheme, coal linkages have been granted to Central and State Gencos at the notified price. Further, under SHAKTI scheme, auction of linkages for Independent Power Producers (IPPs), with Power Purchase Agreements (PPAs), based on domestic coal has been conducted on 12.09.2017. LOAs have been granted to the successful bidders.**
- (v) Flexibility in utilization of domestic coal for reducing cost of power generation.**
- (vi) Rationalization of coal linkages to optimize cost of transportation.**
- (vii) Commencement of Third Party Sampling of coal at both loading and unloading ends to address the problem of grade slippage and to reduce the power tariffs to the consumers.**

ANNEXURE REFERRED TO IN PARTS (a) & (b) OF THE STATEMENT LAID IN REPLY TO STARRED QUESTION NO. 299 TO BE ANSWERED IN THE LOK SABHA ON 15.03.2018 REGARDING SHORTAGE OF FUEL FOR POWER PLANTS.

The receipt of coal by the coal based power plants during the last three years and the current year

(Figures in '000 Tonnes)

Region	Name of the Plant	Capacity (MW)	2014-15	2015-16	2016-17	2017-18 (Apr-Jan)
Northern						
Delhi						
1	BADARPUR TPS	705	2828	1475	1176	1011
2	RAJGHAT TPS	135	356	44	0	0
Haryana						
3	INDIRA GANDHI STPP	1500	5006	4870	3399	4048
4	PANIPAT TPS	920	2798	1212	1451	983
5	RAJIV GANDHI TPS	1200	3680	3325	2700	1997
6	YAMUNA NAGAR TPS	600	2223	2686	2249	1529
Punjab						
7	GH TPS (LEH.MOH.)	920	2878	2029	1435	1158
8	GND TPS(BHATINDA)	440	997	677	292	123
9	GOINDWAL SAHIB TPP	540	-	-	-	738
10	RAJPURA TPP	1400	3151	4262	4567	3772
11	ROPAR TPS	1260	4237	2959	1783	945
12	TALWANDI SABO TPP	1980	656	2118	5094	4457
Rajasthan						
13	CHHABRA TPP	1660	3152	2946	4420	3548
14	KALISINDH TPS	1200	-	2570	3463	2858
15	KAWAI TPS	1320	4285	4124	4042	2272
16	KOTA TPS	1240	6342	5236	4756	3594
17	SURATGARH TPS	1500	7253	3910	2801	1994
Uttar Pradesh						
18	ANPARA C TPS	1200	5649	5418	5537	4194
19	ANPARA TPS	2630	7940	9443	10831	9333
20	BARKHERA TPS	90	479	355	262	53
21	DADRI (NCTPP)	1820	8463	6808	5318	5188
22	HARDUAGANJ TPS	605	2562	2760	2347	1664
23	KHAMBARKHERA TPS	90	470	337	231	60
24	KUNDARKI TPS	90	474	359	310	97
25	LALITPUR TPS	1980	-	-	2412	4695
26	MAHATMA GANDHI TPS	1320	3873	3630	1713	2827
27	MAQSOODPUR TPS	90	484	290	323	52
28	OBRA TPS	1188	3337	3426	3310	2889
29	PANKI TPS	210	912	593	699	175
30	PARICHHHA TPS	1140	5065	5678	4305	3413
31	PRAYAGRAJ TPP	1980	-	-	2204	3221
32	RIHAND STPS	3000	15096	14093	14693	12011
33	ROSA TPP Ph-I	1200	5754	4980	4558	3546
34	SINGRAULI STPS	2000	10718	11550	10746	8464
35	TANDA TPS	440	2555	2832	2007	1455
36	UNCHAHAH TPS	1550	5232	5350	4483	3730
37	UTRAULA TPS	90	893	401	246	82
Chhattisgarh						
38	AKALTARA TPS	1200	2049	3985	4116	2513
39	AVANTHA BHANDAR	600	-	-	958	614
40	BALCO TPS	600	-	-	826	1433
41	BANDAKHAR TPP	300	-	-	542	1311
42	BARADARHA TPS	1200	0	0	3643	4104
43	BHILAI TPS	500	2404	2314	2320	1842
44	DSPM TPS	500	3074	2766	2668	1976

45	KORBA-II	440	2352	2354	2211	1527
46	KORBA STPS	2600	14691	14190	12982	10893
47	KORBA-WEST TPS	1340	6538	7138	7346	5619
48	MARWA TPS	1000	-	-	1933	3104
49	NAWAPARA TPP	600	-	-	348	1716
50	OP JINDAL TPS	1000	5727	3767	3791	2836
51	PATHADI TPP	600	1585	2162	2769	2172
52	RAIKHEDA TPP	1370	-	-	-	497
53	SIPAT STPS	2980	13759	14014	13903	11666
54	TAMNAR TPP	2400	1473	3773	5669	4426
55	UCHPINDA TPP	1080	-	-	-	97
Gujarat						
56	GANDHI NAGAR TPS	630	2102	1738	1462	1843
57	MUNDRA TPS	4620	16562	17165	15666	10556
58	MUNDRA UMTTP	4000	10388	9295	10985	8658
59	SABARMATI (C STATION)	422	1746	1490	1517	1192
60	SALAYA TPP	1200	2996	2018	2494	1169
61	SIKKA REP. TPS	500	675	676	1164	1066
62	UKAI TPS	1110	4443	3755	3471	3319
63	WANAKBORI TPS	1470	5140	4058	2377	3520
Madhya Pradesh						
64	AMARKANTAK EXT TPS	210	1562	979	883	829
65	ANUPPUR TPP	1200	-	1602	2324	3271
66	BINA TPS	500	1672	1110	353	1155
67	MAHAN TPP	600	-	-	-	1616
68	NIGRI TPP	1320	-	-	2086	3932
69	SANJAY GANDHI TPS	1340	5205	5089	4915	4119
70	SASAN UMTTP	3960	8525	16654	16949	15160
71	SATPURA TPS	1330	5216	5217	2228	2384
72	SEIONI TPP	600	-	-	-	753
73	SHRI SINGHAJI TPP	1200	1696	3487	1147	1901
74	VINDHYACHAL STPS	4760	21152	21299	22197	20341
Maharashtra						
75	AMARAVATI TPS	1350	1365	4120	799	2077
76	BHUSAWAL TPS	1210	5712	6600	3769	4094
77	BUTIBORI TPP	600	972	2388	2217	1671
78	CHANDRAPUR(MAHARASHTRA) STPS	2920	10682	10998	11051	9134
79	DAHANU TPS	500	2529	2394	1889	1689
80	DHARIWAL TPP	600	-	-	638	1134
81	GMR WARORA TPS	600	2203	2695	2175	1837
82	JSW RATNAGIRI TPP	1200	3684	3272	2631	2124
83	KHAPARKHEDA TPS	1340	6966	7337	5763	4026
84	KORADI TPS	2400	2082	2938	3984	5501
85	MAUDA TPS	2320	2022	1349	2577	4205
86	NASIK TPS	630	3497	3508	2346	1808
87	PARAS TPS	500	2356	2937	1904	1824
88	PARLI TPS	1170	3905	1459	788	1605
89	SOLAPUR	660	-	-	-	427
90	TIRORA TPS	3300	9379	12386	9863	9436
91	TROMBAY TPS	1250	2043	2698	2445	2116
92	WARDHA WARORA TPP	540	822	1211	1233	646
Andhra Pradesh						
93	DAMODARAM SANJEEVAIAH TPS	1600	-	2139	4582	2177
94	Dr. N.TATA RAO TPS	1760	9678	9718	8773	6541
95	PAINAMPURAM TPP	1320	-	3048	4486	4472
96	RAYALASEEMA TPS	1050	5616	5772	4501	3978
97	SGPL TPP	1320	-	-	-	3510
98	SIMHADRI	2000	10562	10232	9004	6798
99	SIMHAPURI TPS	600	2295	2575	795	4
100	THAMMINAPATNAM TPS	300	1104	1119	920	359
101	VIZAG TPP	1040	-	-	1698	2643

Karnataka						
102	BELLARY TPS	1700	4167	4280	4126	1717
103	KUDGI STPP	1600	-	-	-	1496
104	RAICHUR TPS	1720	8297	8897	7652	5956
105	TORANGALLU TPS(SBU-I)	260	2517	1293	442	293
106	TORANGALLU TPS(SBU-II)	600	-	1096	1190	928
107	UDUPI TPP	1200	2696	3371	3473	1941
108	YERMARUS TPP	1600	-	-	-	433
Tamil Nadu						
109	ENNORE TPS	900	751	597	228	0
110	ITPCL TPP	1200	-	-	1771	2611
111	METTUR TPS	840	6811	7014	6255	3157
112	METTUR TPS - II	600	-	-	-	1258
113	MUTHIARA TPP	1200	-	-	2402	2000
114	NORTH CHENNAI TPS	1830	7551	7258	6860	6142
115	TUTICORIN (JV) TPP	1000	-	1823	3614	2691
116	TUTICORIN TPS	1050	6371	5669	4019	2646
117	VALLUR TPP	1500	3952	5166	6355	4528
Telangana						
118	KAKATIYA TPS	1100	2783	2296	3634	3418
119	KOTHAGUDEM TPS	720	9786	9422	8998	3666
120	KOTHAGUDEM TPS (NEW)	1000	-	-	-	4559
121	RAMAGUNDEM - B TPS	63	125	269	301	108
122	RAMAGUNDEM STPS	2600	14761	13315	12436	10034
123	SINGARENI TPP	1200	-	-	-	4930
Bihar						
124	BARAUNI TPS	210	0	0	0	0
125	BARH II	1320	1197	3129	5195	4718
126	KAHALGAON TPS	2340	13343	12673	12435	10172
127	MUZAFFARPUR TPS	610	827	604	680	1056
128	NABI NAGAR TPP	500	-	-	-	424
Jharkhand						
129	BOKARO `B` TPS	710	1363	1398	1147	1536
130	CHANDRAPURA(DVC) TPS	630	3847	3841	3438	1658
131	JOJOBERA TPS	240	-	-	-	594
132	KODARMA TPP	1000	1522	2312	2352	2578
133	MAHADEV PRASAD STPP	540	1189	1877	2012	1625
134	MAITHON RB TPP	1050	3649	4067	4380	3516
135	PATRATU TPS	770	705	301	168	0
136	TENUGHAT TPS	420	1687	1835	1141	680
Odisha						
137	DERANG TPP	1200	0	2773	4551	2565
138	IB VALLEY TPS	420	2428	2697	2871	2168
139	KAMALANGA TPS	1050	3181	4308	4049	3203
140	STERLITE TPP	1200	5941	5435	5595	1550
141	TALCHER (OLD) TPS	460	3180	3127	3195	2505
142	TALCHER STPS	3000	18239	17545	18126	15238
West Bengal						
143	BAKRESWAR TPS	1050	5605	4641	4376	3568
144	BANDEL TPS	450	1022	1020	1409	1018
145	BUDGE BUDGE TPS	750	3481	3339	3260	2867
146	D.P.L. TPS	660	1104	1406	1385	1289
147	DURGAPUR STEEL TPS	1000	2885	3309	4279	3374
148	DURGAPUR TPS	210	968	788	485	453
149	FARAKKA STPS	2100	9772	8853	9170	6742
150	HALDIA TPP	600	196	2440	2910	2357
151	KOLAGHAT TPS	1260	6330	5166	4900	2594
152	MEJIA TPS	2340	8441	7973	7770	6454
153	RAGHUNATHPUR TPP	1200	-	-	555	1184
154	SAGARDIGHI TPS	1600	2898	1921	2880	2940
155	SANTALDIH TPS	500	2614	2529	2282	1215
156	SOUTHERN REPL. TPS	135	735	430	327	164
157	TITAGARH TPS	240	1150	427	140	0
Assam						
158	BONGAIGAON TPP	500	-	-	572	558
Total All INDIA	(Figures in Million Tonnes)		542	562	561	490

ANNEX-II

ANNEXURE REFERRED TO IN PARTS (a) & (b) OF THE STATEMENT LAID IN REPLY TO STARRED QUESTION NO. 299 TO BE ANSWERED IN THE LOK SABHA ON 15.03.2018 REGARDING SHORTAGE OF FUEL FOR POWER PLANTS.

The gas allotted and supplied/ consumed during the last 3 years and the current year (Upto January '18)

(Figures in MMSCMD)

Years	Domestic Gas Allocation	Long-Term RLNG (Imported) Contracts	E-bid RLNG Allocation (for the year 2015-16 and 2016-17)	Domestic Gas Supplied/ consumed	RLNG supplied/ consumed	Total Gas Supplied/ consumed
2014-15	84.31	5.38	NA	23.61	1.59	25.20
2015-16	87.09	5.38	9.62	21.63	6.63	28.26
2016-17	87.04	5.73	9.57	22.70	6.89	29.59
2017-18 (upto January,18)	87.12	7.43	NA	22.91	8.28	31.19

(MMSCMD: Million Metric Standard Cubic Meter per Day)
