

**GOVERNMENT OF INDIA  
MINISTRY OF POWER**

**LOK SABHA  
UNSTARRED QUESTION NO.1674  
TO BE ANSWERED ON 29.07.2021**

**REQUIREMENT OF COAL AND GAS FOR POWER PROJECTS**

**†1674. SHRI GOPAL CHINNAYA SHETTY:**

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

- (a) the details of total requirement of coal and gas for each power project so far, State-wise including Maharashtra;**
- (b) the quantum of coal and gas supplied during the last three years and the current year, year-wise;**
- (c) whether the supply of coal and gas has been declined;**
- (d) if so, the details thereof; and**
- (e) the steps taken or proposed to be taken to meet the demand of coal and gas?**

**A N S W E R**

**THE MINISTER OF POWER AND NEW & RENEWABLE ENERGY**

**(SHRI R.K. SINGH)**

**(a) : The total requirement of coal and gas for the power plants (Coal based as well as Gas based) monitored in Central Electricity Authority (CEA), State-wise and plant-wise including in Maharashtra, during 2021-22, is given at Annexure.**

**(b) : The details of total coal receipt (Domestic as well as Imported coal) by coal based power plants as well as gas receipt/consumed by gas based power plants during last 3 years and the current year (Apr'21- Jun'21) are as under:**

	2018-19	2019-20	2020-21	2021-22 (Apr- June)
<b>Total coal Receipt (Domestic + Imported) (Million Tonnes)</b>	<b>643.7</b>	<b>638.7</b>	<b>596.3</b>	<b>171.7</b>
<b>Total Gas Receipt (in MMSCMD*)</b>	<b>30.99</b>	<b>29.50</b>	<b>30.08</b>	<b>25.91</b>

**\*MMSCMD: Million Metric Standard Cubic Meter per day.**

**(c) & (d) :** The receipt of coal has registered a slight decline during the last three years. However, during 2020-21 the decline was more due to the effect of COVID-19 pandemic prevailing in the country. Moreover, the share of power generation from non-fossil fuels (renewable energy) has also been increasing consistently over the years resulting into reduction in share of power generation from fossil fuels and also leading to reduction in plant load factor of coal based power plants. The gas consumption by gas based power plants is almost consistent at about 30 MMSCMD.

**(e) :** In order to address the issues of coal supplies to power sector, an Inter-Ministerial Sub Group comprising of representatives from Ministry of Power, Ministry of Coal, Ministry of Railways, Ministry of Shipping, CEA, NTPC and Coal India Limited (CIL)/ Singareni Collieries Company Limited (SCCL) meet regularly to take various operational decisions for meeting any contingent situations relating to Power Sector including critical coal stock position in power plants.

Further, the Government has taken the following steps to help the plants to meet their requirement of coal and gas:

- (i)** Government in May, 2016 allowed flexibility in utilization of domestic coal by State/Central Gencos amongst their generating stations to reduce the cost of power generation by using coal in most efficient plants as well as by saving in transportation cost. The States may also transfer their linkage coal to Independent Power Producers (IPPs) selected through bidding process and take equivalent power.
- (ii)** Rationalization of linkage sources of State/Central Gencos and IPPs with a view to optimize transportation cost has been allowed.
- (iii)** Government has introduced a scheme SHAKTI (Scheme for Harnessing and Allocating Koyala (Coal) Transparently in India)-2017, to provide coal linkages to the power plants which do not have linkage. As per amendment in Shakti Policy dated 25.03.2019, Coal linkage is also allowed for short term sale of power in Day Ahead Market (DAM) through power exchanges or in short term through a transparent bidding process through Discovery of Efficient Energy Price (DEEP) portal.
- (iv)** Domestic gas is being allocated to the gas based power generating stations as per the availability of domestic gas in the country. Imported RLNG (Regasified Liquefied Natural Gas) is kept under Open General License (OGL) and gas based power plants are free to import RLNG on mutually agreed terms and conditions.
- (v)** Government has taken several steps to enhance exploration & production of natural gas in the country such as Discovered Small Field Policy, Hydrocarbon Exploration and Licensing Policy, Policy for Extension of Production Sharing Contracts, Policy for early monetization of Coal Bed Methane etc.

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**ANNEXURE REFERRED TO IN REPLY TO PART (a) OF UNSTARRED QUESTION NO. 1674  
TO BE ANSWERED IN THE LOK SABHA ON 29.07.2021**

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PLANT-WISE AND STATE-WISE COAL REQUIREMENT BASED ON GENERATION TARGET FOR 2021-22		
		Figures in '000T
Sl. No.	Name of TPS	Coal Requirement based on generation target in thousand tonnes (TT)
<b>Haryana</b>		
1	PANIPAT TPS	1418
2	RAJIV GANDHI TPS	3610
3	YAMUNA NAGAR TPS	2594
4	INDIRA GANDHI STPP	2385
5	MAHATMA GANDHI TPS	4428
<b>Punjab</b>		
6	GH TPS (LEH.MOH.)	2265
7	ROPAR TPS	2043
8	RAJPURA TPP	6355
9	TALWANDI SABO TPP	8765
10	GOINDWAL SAHIB TPP	1207
<b>Rajasthan</b>		
11	KOTA TPS	5445
12	SURATGARH TPS	6076
13	CHHABRA TPP	9038
14	KALISINDH TPS	4697
15	KAWAI TPS	4925
<b>Uttar Pradesh</b>		
16	ANPARA TPS	12151
17	HARDUAGANJ TPS	3475
18	JAWAHARPUR STPP	33
19	OBRA TPS	3732
20	OBRA-C STPP	721
21	PARICHHA TPS	3447
22	DADRI (NCTPP)	2727
23	RIHAND STPS	13481
24	SINGRAULI STPS	9315
25	TANDA TPS	6988
26	UNCHAHAR TPS	4490
27	ROSA TPP Ph-I	3639
28	ANPARA C TPS	5443
29	MAQSOODPUR TPS	152
30	KHAMBARKHERA TPS	152
31	BARKHERA TPS	154
32	KUNDARKI TPS	151
33	UTRAULA TPS	162
34	PRAYAGRAJ TPP	6367
35	LALITPUR TPS	6024
36	MEJA STPP	4716
<b>Chhattisgarh</b>		
37	DSPM TPS	2604
38	KORBA-WEST TPS	6735
39	KORBA STPS	12899
40	SIPAT STPS	14242
41	PATHADI TPP	3064
42	BHILAI TPS	2646
43	BALCO TPS	2063
44	MARWA TPS	5342
45	AKALTARA TPS	6763

46	BARADARHA TPS	5470
47	AVANTHA BHANDAR	1691
48	TAMNAR TPP	5938
49	BANDAKHAR TPP	1425
50	NAWAPARA TPP	2554
51	OP JINDAL TPS	1930
52	BINJKOTE TPP	1973
53	LARA TPP	4862
54	RAIKHEDA TPP	4127
55	UCHPINDA TPP	2594
56	CHAKABURA TPP	37
57	KASAIPALLI TPP	311
58	RATIJA TPS	112
<b>Gujarat</b>		
59	SABARMATI (D-F STATIONS)	1175
60	SIKKA REP. TPS	1126
61	GANDHI NAGAR TPS	1355
62	UKAI TPS	4361
63	WANAKBORI TPS	6546
64	MUNDRA UMTTP	10516
65	SALAYA TPP	2489
66	MUNDRA TPS	16767
<b>Madhya Pradesh</b>		
67	AMARKANTAK EXT TPS	933
68	SANJAY GANDHI TPS	5723
69	SATPURA TPS	2860
70	SHREE SINGAJI TPP	9526
71	VINDHYACHAL STPS	24260
72	GADARWARA TPP	4148
73	KHARGONE STPP	1621
74	BINA TPS	1804
75	ANUPPUR TPP	4839
76	SASAN UMTTP	17467
77	NIGRI TPP	3889
78	MAHAN TPP	3355
79	SEIONI TPP	2164
80	NIWARI TPP	78
<b>Maharashtra</b>		
81	BHUSAWAL TPS	6275
82	CHANDRAPUR(MAHARASHTRA) STPS	15111
83	KHAPARKHEDA TPS	7502
84	KORADI TPS	9835
85	NASIK TPS	2673
86	PARLI TPS	2453
87	PARAS TPS	2642
88	TIRORA TPS	14087
89	DAHANU TPS	2621
90	AMRAVATI TPS	2895
91	GMR WARORA TPS	2722
92	MAUDA TPS	3171
93	JSW RATNAGIRI TPP	3607
94	WARDHA WARORA TPP	760
95	DHARIWAL TPP	1553
96	TROMBAY TPS	2034
97	SOLAPUR STPS	1628
98	BELA TPS	131
<b>Andhra Pradesh</b>		
99	Dr. N.TATA RAO TPS	11391
100	RAYALASEEMA TPS	6594
101	SIMHADRI	5549

102	DAMODARAM SANJEEVAIAH TPS	7223
103	SIMHAPURI TPS	59
104	THAMMINAPATNAM TPS	77
105	VIZAG TPP	1964
106	PAINAMPURAM TPP	6450
107	SGPL TPP	5040
<b>Karnataka</b>		
108	RAICHUR TPS	7020
109	BELLARY TPS	5008
110	UDUPI TPP	1686
111	TORANGALLU TPS(SBU-II)	606
112	TORANGALLU TPS(SBU-I)	443
113	KUDGI STPP	1130
114	YERMARUS TPP	3850
<b>Tamil Nadu</b>		
115	METTUR TPS	4545
116	NORTH CHENNAI TPS	10032
117	TUTICORIN TPS	4636
118	METTUR TPS - II	2633
119	VALLUR TPP	6308
120	MUTHIARA TPP	2648
121	TUTICORIN (JV) TPP	3865
122	ITPCL TPP	3244
123	TUTICORIN TPP ST-IV	976
<b>Telangana</b>		
124	BHADRADRI TPP	3656
125	RAMAGUNDEM STPS	10105
126	KAKATIYA TPS	4088
127	RAMAGUNDEM-B TPS	294
128	KOTHAGUDEM TPS (NEW)	4660
129	KOTHAGUDEM TPS (STAGE-7)	3968
130	SINGARENI TPP	5399
131	TELANGANA STPP	147
<b>Bihar</b>		
132	MUZAFFARPUR TPS	2446
133	KAHALGAON TPS	8876
134	BARH I	935
135	BARH II	5694
136	BARAUNI TPS	1077
137	NABINAGAR TPP	3802
138	NABINAGAR STPP	3834
<b>Jharkhand</b>		
139	CHANDRAPURA(DVC) TPS	1915
140	TENUGHAT TPS	1642
141	BOKARO `B` TPS	265
142	BOKARO TPS `A` EXP	1807
143	MAITHON RB TPP	4400
144	KODARMA TPP	3723
145	NORTH KARANPURA TPP	262
146	MAHADEV PRASAD STPP	2378
147	JOJOBERA TPS	1019
<b>Odisha</b>		
148	IB VALLEY TPS	7721
149	DARLIPALI STPS	4100
150	TALCHER (OLD) TPS	3010
151	TALCHER STPS	15934
152	ROURKELA PP-II EXPANSION	302

153	STERLITE TPP	1147
154	KAMALANGA TPS	5542
155	DERANG TPP	2862
<b>West Bengal</b>		
156	DURGAPUR TPS	290
157	BAKRESWAR TPS	4943
158	MEJIA TPS	8699
159	BANDEL TPS	834
160	D.P.L. TPS	1924
161	KOLAGHAT TPS	3839
162	SAGARDIGHI TPS	5016
163	SANTALDIH TPS	2363
164	BUDGE BUDGE TPS	3328
165	SOUTHERN REPL. TPS	218
166	FARAKKA STPS	7632
167	DURGAPUR STEEL TPS	4163
168	HALDIA TPP	2900
169	RAGHUNATHPUR TPP	3906
170	HIRANMAYE TPP	673
<b>Assam</b>		
171	BONGAIGAON TPP	1678

State-wise and Plant-wise Gas Requirement		
S. No.	Name of Power Station	Gas Requirement (in MMSCMD)
<b>ANDHRA PRADESH</b>		
1	GODAVARI (JEGURUPADU)	1.12
2	GAUTAMI CCPP	2.21
3	GMR - KAKINADA (Tanirvavi)	1.05
4	GMR-Rajamundry Energy Ltd.	3.67
5	GODAVARI (SPECTRUM)	0.99
6	JEGURUPADU CCPP (GVK) PHASE- II	1.05
7	KONASEEMA CCPP	2.12
8	KONDAPALLI EXTN CCPP .	1.75
9	KONDAPALLI ST-3 CCPP (LANCO)	3.54
10	KONDAPALLI CCPP (LANCO)	1.76
11	PEDDAPURAM (BSES)	1.05
12	VEMAGIRI CCPP	1.77
13	VIJESWARAN CCPP	1.30
14	PCIL POWER AND HOLDINGS Ltd*	0.14
15	RVK ENERGY*	0.13
16	SILK ROAD SUGAR*	0.17
17	LVS POWER	0.26
<b>ASSAM</b>		
18	KATHALGURI (NEEPCO)	1.39
19	LAKWA GT (ASEB, Maibella)	0.46
20	LAKWA Replacement CCPP***	0.33
21	NAMRUP CCPP + ST (APGCL)	0.78
22	DLF ASSAM GT*	0.12
<b>DELHI</b>		
23	I.P.CCPPP	1.29
24	PRAGATI CCGT-III	7.16
25	PRAGATI CCPP	1.58
26	RITHALA CCPP (NDPL)	0.52

<b>GUJARAT</b>		
27	NTPC, GANDHAR(JHANORE) CCPP	3.14
28	NTPC, KAWAS CCPP	3.13
29	DHUVARAN CCPP(GSECL)	2.84
30	HAZIRA CCPP(GSEG)	0.75
31	HAZIRA CCPP EXT	1.68
32	PIPAVAV CCPP	3.35
33	UTRAN CCPP (GSECL)	1.79
34	BARODA CCPP (GIPCL)	0.76
35	ESSAR CCPP	1.43
36	PAGUTHAN CCPP (CLP)	3.13
37	SUGEN CCPP (TORRENT)	5.48
38	UNOSUGEN CCPP	1.83
39	DGEN Mega CCPP	5.73
<b>HARYANA</b>		
40	NTPC, FARIDABAD CCPP	2.06
<b>MAHARASHTRA</b>		
41	RATNAGIRI (RGPPL-DHABHOL)	9.39
42	URAN CCPP (MAHAGENCO)	3.21
43	TROMBAY CCPP (TPC)	0.86
44	MANGAON CCPP	1.85
<b>PUDUCHERRY</b>		
45	KARAIKAL CCPP (PPCL)	0.16
<b>RAJASTHAN</b>		
46	NTPC, ANTA CCPP	2.00
47	DHOLPUR CCPP	1.58
48	RAMGARH (RRVUNL,Jaisalmer)	1.31
<b>TAMIL NADU</b>		
49	KOVIKALPAL (THIRUMAKOTTAI)	0.51
50	KUTTALAM (TANGEDCO)	0.48
51	VALUTHUR CCPP	0.89
52	KARUPPUR CCPP (LANCO TANJORE)	0.57
53	P.NALLUR CCPP (PPN)	1.58
54	VALANTARVY CCPP	0.25
<b>TRIPURA</b>		
55	AGARTALA GT+ST (NEEPCO)	0.64
56	MONARCHAK(NEEPCO)	0.48
57	TRIPURA CCPP (ONGC)	3.47
58	BARAMURA GT (TSECL)	0.28
59	ROKHIA GT (TSECL)	0.53
<b>UTTAR PRADESH</b>		
60	NTPC, AURAIYA CCPP	3.17
61	NTPC, DADRI CCPP	3.96
<b>UTTARAKHAND</b>		
62	GAMA CCPP	1.07
63	KASHIPUR CCPP (Sravanthi)	1.07

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