

**GOVERNMENT OF INDIA
MINISTRY OF POWER
LOK SABHA
UNSTARRED QUESTION NO.233
ANSWERED ON 08.12.2022**

COAL CRISIS IN POWER PLANTS

233. SHRI RITESH PANDEY:

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

- (a) whether it is true that in the month of April, 2022, coal stocks at more than 100 thermal power plants in the country had fallen below the critical mark i.e. 25 per cent of the required stocks and if so, the details thereof;
- (b) whether the Government is aware that such a crisis was repeated each year during the last few years as a severe coal shortage occurred in October, 2021 too and if so, the details thereof;
- (c) whether it is true that such crisis causes electric deficit as well as increase in the price of electricity for the common people and if so, the details thereof; and
- (d) the effective steps taken/being taken by the Government to mitigate such coal shortages in future?

A N S W E R

THE MINISTER OF POWER AND NEW & RENEWABLE ENERGY

(SHRI R.K. SINGH)

(a) : The coal stock available at coal based thermal power plants of the country is monitored in Central Electricity Authority (CEA) on daily basis. In the month of April, 2022, coal stock of 104 thermal power plants in the country had fallen below 25% of normative stock requirement. As on 30.04.2022, the overall coal stock of thermal power plants was 21.9 MT which was 33% of normative stock requirement. The coal stock position of thermal power plants as on 30.04.2022 is at Annexure.

(b) : The coal stock at the thermal power plants had depleted to 16.9 MT and 28.9 MT during 2019-20 and 2020-21. However, in the year 2021-22, it depleted to 7.2 MT by 8th October, 2021 due to increased demand, high price of imported coal, some interruption in supply of coal owing to heavy rains and high imported coal price. Subsequently, with the concerted efforts of MoP, MoC, CEA, CIL & Railways, the coal stock increased to 25.6 MT as on 31st March, 2022.

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(c) : The gap between energy requirement and energy supplied has been reduced from 2.0% to 0.1% between the month of April, 2022 and October, 2022. The detail of all India power supply position for the months of April, 2022 to October, 2022 is given below:

Month	2022-23			
	Energy Requirement	Energy Supplied	Energy not Supplied	
	(MU)	(MU)	(MU)	(%)
April	134,781	132,028	2,752	2.0
May	135,765	135,156	609	0.4
June	1,34,060	1,33,263	796	0.6
July	1,28,689	1,28,255	434	0.3
August	1,30,855	1,30,390	465	0.4
September	1,27,226	1,26,914	312	0.2
October	1,14,068	1,13,944	124	0.1

(d) : Government has taken the following steps to mitigate coal shortages in future:-

- (i) A Secretary level Inter Ministerial Committee comprising Chairman Railway Board, Secretary, Ministry of Coal, Secretary Ministry of Environment Forest & Climate Change as members and Secretary, Ministry of Power as convener, has been set up to ensure that the requirements of coal to power plants are met.
- (ii) An Inter-Ministerial Sub Group comprising of representatives from Ministry of Power, Ministry of Coal, Ministry of Railways, Central Electricity Authority (CEA), Coal India Limited (CIL) and Singareni Collieries Company Limited (SCCL) has been set up and meet regularly to take various operational decisions on the supply of coal to alleviate critical coal stock position in thermal power plants.
- (iii) Ministry of Power and Ministry of Coal initiated allocation of coal under B(viii)(a) (Tranche-XI) of SHAKTI Policy for thermal power plants having untied capacity for selling power through DEEP Portal/Power Exchange to fulfill short term requirements of DISCOMs.

ANNEXURE REFERRED TO IN REPLY TO PART (a) OF UNSTARRED QUESTION NO.233 ANSWERED IN THE LOK SABHA ON 08.12.2022

(As on 30.04.2022)

Region/ State	Name of Thermal Power Station	Capacity (MW)	Normative Stock Reqd. (Days)	Requirement for the day @85% PLF (In '000 Tonnes')	Normative Stock Required (In '000 Tonnes')	Actual Stock			% of Actual Stock vis-à-vis Normative Stock	Critical (*) (if stock<25 %)	Receipt of the day of report ('000 T)	Consumption of the day of report ('000 T)
						In '000 Tonnes'						
						Indigenous	Import	Total				
1	2	3	4	5	6	7	8	9	10	11	12	13
A. DOMESTIC BASED THERMAL POWER PLANTS												
State												
Haryana												
1	PANIPAT TPS	710	22	10.2	224.6	32.5	51.7	84.3	21%	*	13	12
2	RAJIV GANDHI TPS	1200	22	17.1	376.1	35.1		137.5	13%	*	16	9
3	YAMUNA NAGAR TPS	600	22	8.7	190.4	89.5	52.0	141.6	67%		4	5
HPGCL- Total		2510	22	36.0	791.2	157.1	206.2	363.3	28%	2.0	33	25
Punjab												
4	GH TPS (LEH.MOH.)	920	22	12.6	276.4	130.6	3.9	134.6	49%		0	7
5	ROPAR TPS	840	22	11.8	258.8	188.9	0.0	188.9	73%		0	7
PSPCL- Total		1760	22	24.3	535.2	319.6	3.9	323.5	60%	0.0	0	14
Rajasthan												
6	CHHABRA-I PH-1 TPP	500	22	6.6	145.9	11.1	0.0	11.1	8%	*	11	6
7	KOTA TPS	1240	22	18.0	395.5	70.4	0.0	70.4	18%	*	17	17
8	SURATGARH TPS	1500	22	18.6	409.8	100.4	0.0	100.4	24%	*	23	10
9	KALISINDH TPS	1200	22	15.0	329.3	119.4	12.1	131.5	40%		16	8
10	SURATGARH STPS	1320	22	18.0	396.9	101.1	35.1	136.2	34%		15	11
11	CHHABRA-I PH-2 TPP	500	22	6.3	139.1	14.0	0.0	14.0	10%	*	4	5
12	CHHABRA-II TPP	1320	22	16.7	367.3	18.1	25.5	43.6	7%	*	12	13
RRVUNL-Total		7580	22	99.3	2183.8	434.5	72.7	507.1	23%	5.0	96	70
Uttar Pradesh												
13	ANPARA TPS	2630	14	35.1	491.5	705.6	0.0	705.6	144%		41	32
14	HARDUAGANJ TPS	1265	22	18.6	409.8	274.5	0.0	274.5	67%		12	7
15	OBRA TPS	1000	22	15.2	334.1	73.6	0.0	73.6	22%	*	8	13
16	PARICHHA TPS	1140	22	16.4	360.4	134.4	0.0	134.4	37%		12	9
UPRVUNL- Total		6035	19	85.3	1595.9	1188.1	0.0	1188.1	74%	1.0	73	61
Chhattisgarh												
17	DSPM TPS	500	22	7.3	161.1	129.8	0.0	129.8	81%		13	9
18	KORBA-WEST TPS	1340	14	20.9	293.1	186.6	0.0	186.6	64%		23	22
19	MARWA TPS	1000	22	15.1	332.3	114.4	0.0	114.4	34%		7	8
CSPGCL- Total		2840	18	43.4	786.4	430.7	0.0	430.7	55%	0.0	43	39
Gujarat												
20	GANDHI NAGAR TPS	630	22	8.6	188.9	32.6	28.5	61.1	25%		7	8
21	UKAI TPS	1110	22	15.5	340.2	115.6	78.6	194.2	49%		9	7
22	WANAKBORI TPS	2270	22	31.6	695.2	215.7	78.3	293.9	42%		12	19
GSECL- Total		4010	22	55.6	1224.2	363.8	185.4	549.2	42%	0.0	28	34

51	IB VALLEY TPS	1740	14	27.9	390.5	251.6	0.0	251.6	64%		28	27
	OPGCL- Total	1740	14	27.9	390.5	251.6	0.0	251.6	64%	0.0	28	27
West Bengal												
52	BAKRESWAR TPS	1050	22	13.3	291.9	87.7	0.0	87.7	30%		14	12
53	BANDEL TPS	270	22	4.4	96.7	15.9	0.0	15.9	16%	*	7	4
54	D.P.L. TPS	550	22	7.8	170.6	15.1	0.0	15.1	9%	*	9	7
55	KOLAGHAT TPS	840	22	13.6	299.2	29.1	0.0	29.1	10%	*	11	10
56	SAGARDIGHI TPS	1600	22	20.0	440.9	117.7	0.0	117.7	27%		17	16
57	SANTALDIH TPS	500	22	7.3	159.7	74.0	0.0	74.0	46%		7	8
	WBPDCI- Total	4810	22	66.3	1459.0	339.4	0.0	339.4	23%	3.0	66	57
NTPC												
58	DADRI (NCTPP)	1820	22	25.0	548.9	256.2	73.7	329.8	60%		15	15
59	RIHAND STPS	3000	14	37.0	517.6	966.8	0.0	966.8	187%		37	37
60	SINGRAULI STPS	2000	14	26.7	374.0	404.8	0.0	404.8	108%		27	27
61	TANDA TPS	1760	22	24.7	543.2	294.2	85.3	379.5	70%		8	18
62	UNCHAHR TPS	1550	22	21.3	467.7	488.3	92.6	580.9	124%		0	6
63	KORBA STPS	2600	14	35.3	493.8	363.0	0.0	363.0	74%		42	39
64	LARA TPP	1600	22	22.8	502.0	323.2	30.2	353.3	70%		31	27
65	SIPAT STPS	2980	14	40.8	570.8	604.1	49.8	653.9	115%		44	37
66	GADARWARA TPP	1600	22	21.0	462.6	95.7	111.0	206.6	30%		20	21
67	KHARGONE STPP	1320	22	16.3	359.1	84.4	77.3	161.7	34%		4	15
68	VINDHYACHAL STPS	4760	14	65.4	915.9	883.1	0.0	883.1	96%		72	68
69	MAUDA TPS	2320	22	33.6	739.4	259.4	83.1	342.5	46%		20	25
70	SOLAPUR STPS	1320	22	16.8	369.8	165.9	109.4	275.3	64%		0	18
71	SIMHADRI	2000	22	31.5	693.5	636.1	24.0	660.1	95%		24	29
72	KUDGI STPP	2400	22	29.1	639.5	320.0	124.8	444.8	70%		7	17
73	RAMAGUNDEM STPS	2600	14	32.9	459.9	483.4	31.6	515.0	112%		36	25
74	BARAUNI TPS	710	22	9.2	201.6	78.1	0.0	78.1	39%		8	7
75	BARH STPS	1980	22	26.5	582.9	433.4	0.0	433.4	74%		23	22
76	KAHALGAON TPS	2340	14	35.7	499.3	227.0	19.2	246.1	49%		24	28
77	DARLIPALI STPS	1600	14	22.8	319.9	265.1	0.0	265.1	83%		22	28
78	TALCHER STPS	3000	14	47.2	660.6	571.5	36.4	607.9	92%		32	41
79	FARAKKA STPS	2100	14	28.0	391.8	382.6	14.4	397.0	101%		21	11
80	BONGAIGAON TPP	750	22	9.1	199.6	164.1	8.7	172.8	87%		4	7
	Total-NTPC	48110	18	658.5	11513.4	8750.2	971.4	9721.6	84%	0	520.4	565.7
NTPC JV												
81	INDIRA GANDHI STPP	1500	22	20.3	445.8	405.2	58.5	463.7	104%		0	11
82	MEJA STPP	1320	22	18.0	395.2	110.9	23.4	134.3	34%		30	16
83	BHILAI TPS	500	22	7.7	169.7	103.8	25.5	129.3	76%		8	4
84	VALLUR TPP	1500	22	23.1	508.0	234.0	0.0	234.0	46%		23	23
85	MUZAFFARPUR TPS	390	22	5.8	126.9	64.0	0.0	64.0	50%		12	6
86	NABINAGAR STPP	1980	22	24.6	540.5	356.4	60.1	416.5	77%		31	18
87	NABINAGAR TPP	1000	22	14.2	311.4	140.2	7.8	148.1	48%		12	15
	Total-NTPC JV	8190	22	113.5	2497.4	1414.5	175.3	1589.8	64%	0.0	115.8	92.4
	Total -NTPC & NTPC-JV	56300	18	772.0	14010.8	10164.7	1146.7	11311.3	81%	0.0	636.2	658.1
DVC												
88	BOKARO TPS `A` EXP	500	22	5.9	129.5	81.7	3.8	85.5	66%		6	7
89	CHANDRAPURA(DVC) TPS	500	22	6.3	138.3	45.3	36.4	81.7	47%		4	8
90	KODARMA TPP	1000	22	12.7	278.4	55.3	43.9	99.2	28%		14	14
91	DURGAPUR STEEL TPS	1000	22	13.7	301.4	87.2	44.1	131.4	41%		19	12
92	DURGAPUR TPS	210	22	5.0	110.0	123.4	0.0	123.4	112%		0	0
93	MEJIA TPS	2340	22	32.2	709.0	83.0	3.1	86.1	12%	*	34	33

94	RAGHUNATHPUR TPP	1200	22	16.0	352.5	169.1	15.8	184.9	52%		12	7
	Total-DVC	6750	22	91.8	2019.0	645.1	147.1	792.2	39%	1.0	88.5	80.7
95	NTPL TUTICORIN TPP	1000	22	13.7	300.7	132.8	17.6	150.4	50%		0	9
	Total-NLC-TN-JV	1000	22	13.7	300.7	132.8	17.6	150.4	50%	0.0	0.0	9.4
IPP												
96	MAHATMA GANDHI TPS	1320	22	16.4	360.0	223.2	73.4	296.7	82%		23	15
97	GOINDWAL SAHIB TPP	540	22	7.8	171.7	16.7	0.0	16.7	10%	*	7	7
98	RAJPURA TPP	1400	22	16.1	353.8	325.3	0.0	325.3	92%		24	9
99	TALWANDI SABO TPP	1980	22	27.3	601.3	119.2	0.0	119.2	20%	*	16	22
100	KAWAI TPS	1320	22	15.7	344.7	40.0	181.7	221.6	17%	*	25	16
101	ANPARA C TPS	1200	14	15.6	218.4	43.7	0.0	43.7	20%	*	13	8
102	BARKHERA TPS	90	22	1.5	32.5	36.5	0.0	36.5	112%		0	0
103	KHAMBARKHERA TPS	90	22	1.5	32.3	27.6	0.0	27.6	86%		0	0
104	KUNDARKI TPS	90	22	1.4	30.9	44.9	0.0	44.9	145%		0	0
105	LALITPUR TPS	1980	22	24.8	546.1	431.6	0.0	431.6	79%		32	17
106	MAQSOODPUR TPS	90	22	1.5	32.1	36.8	0.0	36.8	115%		4	0
107	PRAYAGRAJ TPP	1980	22	24.2	533.3	64.6	0.0	64.6	12%	*	28	21
108	ROSA TPP Ph-I	1200	22	15.5	340.6	62.1	0.0	62.1	18%	*	16	16
109	UTRAULA TPS	90	22	1.4	31.8	51.0	0.0	51.0	160%		0	0
110	AKALTARA TPS	1800	22	23.8	522.9	98.3	0.0	98.3	19%	*	30	22
111	BALCO TPS	600	22	9.0	198.3	167.3	0.0	167.3	84%		4	0
112	BANDAKHAR TPP	300	22	4.3	94.6	60.3	0.0	60.3	64%		2	5
113	BARADARHA TPS	1200	22	18.4	403.8	136.9	0.0	136.9	34%		18	13
114	BINJKOTE TPP	600	22	9.1	201.1	15.3	0.0	15.3	8%	*	8	5
115	NAWAPARA TPP	600	22	9.7	213.5	68.4	0.0	68.4	32%		2	8
116	PATHADI TPP	600	22	8.4	184.6	121.4	0.9	122.3	66%		18	6
117	TAMNAR TPP	2400	22	40.1	883.2	460.6	59.2	519.8	59%		23	32
118	UCHPINDA TPP	1440	22	22.5	495.2	526.4	0.0	526.4	106%		12	13
119	SABARMATI (D-F STATIONS)	362	22	4.2	91.8	27.2	75.3	102.5	42%		4	3
120	ANUPPUR TPP	1200	22	17.2	378.9	135.0	99.5	234.5	51%		12	16
121	BINA TPS	500	22	7.4	162.0	79.1	0.0	79.1	49%		8	3
122	SEIONI TPP	600	22	7.6	167.0	38.5	0.0	38.5	23%	*	7	7
123	AMRAVATI TPS	1350	22	17.9	394.3	40.4	0.0	40.4	10%	*	22	21
124	BUTIBORI TPP	600	22	8.2	180.4	59.7	0.0	59.7	33%		0	0
125	DAHANU TPS	500	22	6.1	134.8	23.0	0.0	23.0	17%	*	8	5
126	DHARIWAL TPP	600	22	8.3	183.6	40.4	6.7	47.1	26%		8	7
127	DISHERGARH TPP	12	22	0.2	3.6	4.4	0.0	4.4	122%		0	0
128	GMR WARORA TPS	600	22	8.2	179.5	17.1	0.0	17.1	10%	*	9	9
129	TIRORA TPS	3300	22	44.1	970.3	202.2	0.0	202.2	21%	*	46	44
130	WARDHA WARORA TPP	540	22	7.1	156.6	10.5	0.0	10.5	7%	*	6	6
131	PAINAMPURAM TPP	1320	22	16.3	358.8	146.4	233.1	379.5	58%		0	17
132	SGPL TPP	1320	22	14.8	325.0	38.6	134.7	173.4	17%	*	0	13
133	VIZAG TPP	1040	22	15.8	347.9	56.1	0.0	56.1	16%	*	16	9
134	JOJOBERA TPS	240	22	3.3	72.3	51.2	0.0	51.2	71%		12	4
135	MAHADEV PRASAD STPP	540	22	7.5	164.8	90.4	0.0	90.4	55%		3	6
136	MAITHON RB TPP	1050	22	13.1	288.0	273.3	0.0	273.3	95%		19	13
137	DERANG TPP	1200	22	16.8	368.8	916.8	0.0	916.8	249%		16	17
138	KAMALANGA TPS	1050	22	15.5	341.5	53.6	0.0	53.6	16%	*	3	11
139	VEDANTA TPP	600	22	8.7	191.1	15.9	0.0	15.9	8%	*	5	6
140	BUDGE BUDGE TPS	750	22	8.9	195.9	203.2	0.0	203.2	104%		7	6
141	HALDIA TPP	600	22	8.4	185.0	20.8	0.0	20.8	11%	*	4	8

142	HIRANMAYE TPP	300	22	4.7	104.3	11.7	0.0	11.7	11%	*	4	5
143	SOUTHERN REPL. TPS	135	22	2.2	48.5	9.9	0.0	9.9	20%	*	0	0
144	AVANTHA BHANDAR	600	22	9.1	200.8	124.1	10.6	134.7	67%		6	10
145	OP JINDAL TPS	1000	22	16.2	356.0	154.0	9.0	162.9	46%		13	11
146	RAIKHEDA TPP	1370	22	19.6	430.6	86.7	74.2	160.9	29%		12	15
147	MAHAN TPP	1200	22	17.0	373.6	50.3	64.4	114.7	19%	*	9	7
148	NIGRI TPP	1320	22	16.0	351.2	287.1	0.0	287.1	82%		4	14
149	SASAN UMTTP	3960	14	45.3	633.6	468.7	0.0	468.7	74%		51	43
	Total -IPP	52669	21	711.6	15167.3	6914.3	1022.7	7937.1	52%	22.0	618.3	569.9
	Total-A	182957	20	2547	51888	25078	3365	28444	55%	45	2132	2037
	DCB Total	186731	20	2604	53104	25159	3365	28525	54%		2137	2042

B. PLANTS DESIGNED ON IMPORTED COAL

150	SIKKA REP. TPS	500	22	4.9	108.8	0.0	51.7	51.7	48%		0	5
151	MUNDRA TPS-I & II	2640	22	29.1	640.8	0.0	262.7	262.7	41%		0	0
152	MUNDRA TPS-III	1980	22	20.2	444.3	0.0	94.3	94.3	21%	*	0	5
153	MUNDRA UMTTP	4000	22	32.6	718.0	0.0	856.6	856.6	119%		2	17
154	SALAYA TPP	1200	22	12.2	269.3	0.0	33.5	33.5	12%	*	0	0
155	JSW RATNAGIRI TPP	300	22	3.1	67.3	0.0	54.1	54.1	80%		0	0
156	TROMBAY TPS	750	22	7.8	170.8	0.0	269.9	269.9	158%		4	5
157	SIMHAPURI TPS	600	22	6.1	134.6	0.0	1.8	1.8	1%	*	0	0
158	THAMMINAPATNAM TPS	300	22	4.4	97.2	0.0	1.0	1.0	1%	*	0	0
159	TORANGALLU TPS(SBU-I)	260	22	1.8	38.8	0.0	0.0	0.0	0%	*	2	2
160	TORANGALLU TPS(SBU-II)	600	22	5.4	118.7	0.0	509.4	509.4	429%		34	2
161	UDUPI TPP	1200	22	10.4	228.5	0.0	176.4	176.4	77%		0	4
162	ITPCL TPP	1200	22	12.9	284.7	0.0	1.5	1.5	1%	*	6	5
163	MUTHIARA TPP	1200	22	16.1	353.6	65.5	9.5	74.9	21%	*	1	7
164	TUTICORIN TPP ST-IV	525	22	5.4	117.8	0.0	20.7	20.7	0%	*	0	0
	Total-B	17255	22	172.4	3793.2	65.5	2343.1	2408.6	63%	8.0	50	52

C. PLANTS BASED ON WASHERY REJECTS

165	CHAKABURA TPP	30	22	0.9	13.5	51.4	0.0	51.4	382%		3	2
166	GEPL TPP Ph-I	120	22	2.4	53.9	0.0	0.0	0.0	0%	*	-	-
167	KASAIPALLI TPP	270	22	5.9	121.2	29.6	0.0	29.6	24%	*	2	3
168	KATGHORA TPP	35	22	0.7	15.7	0.0	0.0	0.0	0%	*	-	-
169	NIWARI TPP	90	22	2.2	40.4	0.0	0.0	0.0	0%	*	0	0
170	RATIJA TPS	100	22	2.7	44.9	0.0	0.0	0.0	0%	*	0	0
171	SVPL TPP	63	22	1.3	28.3	0.0	0.0	0.0	0%	*	-	-
172	SWASTIK KORBA TPP	25	22	0.5	11.2	0.0	0.0	0.0	0%	*	-	-
	Total-C	733	22	16.6	329.0	80.9	0.0	80.9	4.1	7.0	4.8	5.4
	Grand Total=A+B+C	203986	21	2777	56897	25225	5709	30933	54%	68	2187	2094
