

GOVERNMENT OF INDIA
MINISTRY OF POWER
RAJYA SABHA
UNSTARRED QUESTION NO.1597
ANSWERED ON 15.03.2022

POWER GENERATION THROUGH COAL POWER PLANTS

1597 SMT. PRIYANKA CHATURVEDI:

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

- (a) the total power generated through coal plants in the country, the State-wise distribution thereof;
- (b) the total power generated in the country through imported coal, both high and low gross calorific value, the State-wise distribution thereof;
- (c) whether the reduction in import of coal, especially non-cooking coal would impact the generation of power; and
- (d) whether a sustainable substitute for non-cooking coal has been made available for the generation of power?

A N S W E R

THE MINISTER OF POWER AND NEW & RENEWABLE ENERGY

(SHRI R.K. SINGH)

(a) : The State-wise details of total power generated through coal plants in the country during the last three years and current year (Up to February, 2022) are given at **Annexure-I**.

(b) : The State-wise details of total power generated in the country through imported coal, both high & low gross calorific value during the last three years and current year (Up to February, 2022) are given at **Annexure-II**.

(c) : As per the information compiled by Central Electricity Authority (CEA), the import of coal reduced to 22.7 MT during 2021-22 (April-January) as against 39.0 MT during same period last year mainly due to high imported coal price in international market. The shortfall in imported coal has been compensated through enhanced supply of domestic coal i.e. from 442.6 MT during 2020-21 (April-January) to 547.2 MT during 2021-22 (April-January). Thus, the generation loss due to reduction in import of coal has been compensated from higher generation from domestic coal based plants.

(d) : We aim to achieve 500 GW installed capacity from non-fossil fuel based capacity (Hydro, Nuclear, Solar PV, Wind, Biomass etc.) by 2030. This will reduce the pressure on coal based generation to a large extent.

ANNEXURE REFERRED TO IN REPLY TO PART (a) OF UNSTARRED QUESTION NO. 1597 ANSWERED IN THE RAJYA SABHA ON 15.03.2022

Details of power generated through coal plants (State-wise) during the last three years and current year (Up to Feb, 2022)

Region	State	Fuel	Name of stations	Monitored Capacity as on 28.02.2022 MW	GENERATION(MUs)			
					*2021-22 (upto-Feb, 22) MU	2020-21	2019-20	2018-19
NR	DELHI	COAL	BADARPUR TPS	-	-	-	0	1400.33
	HARYANA	COAL	INDIRA GANDHI STPP	1500	6217.36	3654.73	3842.82	7387.28
		COAL	MAHATMA GANDHI TPS	1320	7356.31	4873.03	5888.87	6898.35
		COAL	PANIPAT TPS	710	2301.92	1218.49	1972.8	3378.89
		COAL	RAJIV GANDHI TPS	1200	2355.21	1636.91	2316.12	3852.19
		COAL	YAMUNA NAGAR TPS	600	2197.29	2611.42	2741.24	3321.63
	PUNJAB	COAL	GH TPS (LEH.MOH.)	920	1708.49	905.76	915.99	2485.15
		COAL	GOINDWAL SAHIB TPP	540	1722.82	1282.71	1312.74	2445.49
		COAL	RAJPURA TPP	1400	8792.23	7951.49	8757.21	9123.71
		COAL	ROPAR TPS	840	1399.18	883.52	1051.62	1669.99
		COAL	TALWANDI SABO TPP	1980	7950.6	6971.31	8864.11	10639.92
	RAJASTHAN	COAL	CHHABRA TPP	-	-	14421.24	13515.68	10379.13
		COAL	CHHABRA-I PH-1 TPP	500	2225.98	-	-	-
		COAL	CHHABRA-I PH-2 TPP	500	1927.52	-	-	-
		COAL	CHHABRA-II TPP	1320	4878.89	-	-	-
		COAL	KALISINDH TPS	1200	6375.73	6089.98	5728.09	5550.4
		COAL	KAWAI TPS	1320	7439.07	8590.5	8000.29	7599.26
		COAL	KOTA TPS	1240	6281.63	5192.46	6513.16	7921.01
		COAL	SURATGARH STPS	1320	4111.29	0	0	0
		COAL	SURATGARH TPS	1500	3038.76	2443.87	4690.34	7168.92
		COAL	ANPARA C TPS	1200	7486.28	8666.5	7539.56	8236.75
	UTTAR PRADESH	COAL	ANPARA TPS	2630	15718.62	15279.04	17047.66	20140.46
		COAL	BARKHERA TPS	90	193.49	184.19	90.84	148.7
		COAL	DADRI (NCTPP)	1820	5261.31	3957.75	6546.43	10533.54
		COAL	HARDUAGANJ TPS	1265	1216.35	2142.65	3274.14	3141.52
		COAL	KHAMBARKHERA TPS	90	192.32	188.1	79.81	141.2
		COAL	KUNDARKI TPS	90	274.72	246.58	125.18	203.67
		COAL	LALITPUR TPS	1980	8856.12	7289.49	7174.91	5449.92
		COAL	MAQSOODPUR TPS	90	196.03	190.83	102.56	141.28
		COAL	MEJA STPP	1320	7138.66	4054.65	1050.67	69.61
		COAL	OBRA TPS	1094	4201.69	4698.93	3695.92	3648.03
		COAL	PARICHHA TPS	1140	3361.88	3677.32	3835.22	4978.88
		COAL	PRAYAGRAJ TPP	1980	10685.71	10751.13	9120.88	7759.32
		COAL	RIHAND STPS	3000	20274.75	23398.68	23359.27	22686.8
		COAL	ROSA TPP Ph-I	1200	5530.29	6751.18	6039.7	4340.9
		COAL	SINGRAULI STPS	2000	13057.53	14959.51	15331.89	14798.21
		COAL	TANDA TPS	1760	7553.1	5738.68	3958.39	2371.8
		COAL	UNCHAHAH TPS	1550	7429.84	7156.4	8526.46	7241
		COAL	UTRAULA TPS	90	241.85	261.35	119.42	196.09
	CHHATTISGARH	COAL	AKALTARA TPS	1800	7928.62	10475.04	10309.8	7912.22
		COAL	AVANTHA BHANDAR	600	3256.26	2877.03	483.99	0
		COAL	BALCO TPS	600	3086.43	3781.65	3497.96	2768.07
		COAL	BANDAKHAR TPP	300	1969.29	2090.95	2062.18	2137.6
		COAL	BARADARHA TPS	1200	7744.66	8073.35	6439.02	6729.62
		COAL	BHILAI TPS	500	3158.39	3209.98	2745.97	3426.23
		COAL	BINJKOTE TPP	600	1644.9	1866.84	2683.49	1464.92
		COAL	CHAKABURA TPP	30	81.58	204.38	235.35	241.55
		COAL	DSPM TPS	500	3546.26	3336.85	3847.87	3828.15
		COAL	KASAIPALLI TPP	270	1208.9	1404.55	1695.85	1900.36
		COAL	KATGHORA TPP	35	0	0	0	0
		COAL	KATGHORA TPP	35	0	0	0	0
WR	CHHATTISGARH	COAL	AKALTARA TPS	1800	7928.62	10475.04	10309.8	7912.22
		COAL	AVANTHA BHANDAR	600	3256.26	2877.03	483.99	0
		COAL	BALCO TPS	600	3086.43	3781.65	3497.96	2768.07
		COAL	BANDAKHAR TPP	300	1969.29	2090.95	2062.18	2137.6
		COAL	BARADARHA TPS	1200	7744.66	8073.35	6439.02	6729.62
		COAL	BHILAI TPS	500	3158.39	3209.98	2745.97	3426.23
		COAL	BINJKOTE TPP	600	1644.9	1866.84	2683.49	1464.92
		COAL	CHAKABURA TPP	30	81.58	204.38	235.35	241.55
		COAL	DSPM TPS	500	3546.26	3336.85	3847.87	3828.15
		COAL	KASAIPALLI TPP	270	1208.9	1404.55	1695.85	1900.36
		COAL	KATGHORA TPP	35	0	0	0	0
		COAL	KATGHORA TPP	35	0	0	0	0

		COAL	KORBA STPS	2600	19593.4	21332.59	19793.34	20083.42
		COAL	KORBA-II	-	-	0	0	226.1
		COAL	KORBA-III	0	0	975.72	1308.74	1317.27
		COAL	KORBA-WEST TPS	1340	8049.04	9379.24	8699.78	9472.41
		COAL	LARA TPP	1600	10409.95	6096.63	2752.24	262.91
		COAL	MARWA TPS	1000	4247.77	4542.2	4356.14	6415.52
		COAL	NAWAPARA TPP	600	574.5	1963.01	1926.84	3095.17
		COAL	OP JINDAL TPS	1000	4610.85	4397.99	2341.8	3349.21
		COAL	PATHADI TPP	600	3647.06	4568.84	3480.5	4293.08
		COAL	RAIKHEDA TPP	1370	7955.44	6540.99	5831.21	2830.89
		COAL	RATIJA TPS	100	605.54	483.68	714.2	799.1
		COAL	SALORA TPP	135	0	0	0	0
		COAL	SIPAT STPS	2980	19575.84	23524.78	22530.32	23907.12
		COAL	SVPL TPP	63	0	0	313.1	12.44
		COAL	SWASTIK KORBA TPP	25	0	0	0	0
		COAL	TAMNAR TPP	2400	8322.75	8667.68	7119.61	7044.63
		COAL	UCHPINDA TPP	1440	6007.54	4820.53	2822.97	1953.26
	GUJARAT	COAL	GANDHI NAGAR TPS	630	2908.99	1464.48	1709.1	3703.99
		COAL	MUNDRA TPS	-	-	-	29825.01	23912.38
		COAL	MUNDRA TPS-I & II	2640	7848.69	13693.7	-	-
		COAL	MUNDRA TPS-III	1980	2982.15	11971.28	-	-
		COAL	MUNDRA UMTTP	4000	8375.54	26208.53	26495.39	26839.3
		COAL	SABARMATI (D-F STATIONS)	362	2217.4	1403.8	2317.99	2785.64
		COAL	SALAYA TPP	1200	0	4048.87	4589.86	0
		COAL	SIKKA REP. TPS	500	962.12	1836.22	2711.25	2725.93
		COAL	UKAI TPS	1110	4389.83	4601.92	5781.18	6936.96
		COAL	WANAKBORI TPS	2270	9931.34	6408.75	5581.26	8343.14
	MADHYA PRADESH	COAL	AMARKANTAK EXT TPS	210	1381.35	1632.45	1691.61	1636.16
		COAL	ANUPPUR TPP	1200	6954.88	6654.31	6267.72	6689.6
		COAL	BINA TPS	500	2161.72	1686.39	2513.68	2503.79
		COAL	GADARWARA TPP	1600	7005.51	4497	1076.12	0
		COAL	KHARGONE STPP	1320	5572.23	4340.13	959.11	-
		COAL	MAHAN TPP	1200	2935.73	2889.61	3281.04	3220.09
		COAL	NIGRI TPP	1320	7785.04	8106.4	6356.69	7330.28
		COAL	NIWARI TPP	90	145.14	170.23	243.25	77.38
		COAL	SANJAY GANDHI TPS	1340	5785.64	8616.32	6604.2	8680.63
		COAL	SASAN UMTTP	3960	29779.89	33387.69	33340.92	32877.27
		COAL	SATPURA TPS	1330	3090.14	4505.8	5276.35	7472.97
		COAL	SEIONI TPP	600	3278.21	3677.23	2901.09	2500.55
		COAL	SHREE SINGAJI TPP	2520	8375.4	5928.37	8647.04	7753.38
		COAL	VINDHYACHAL STPS	4760	32793.88	36997.85	35659.46	37539
	MAHARASHTRA	COAL	AMRAVATI TPS	1350	8093.24	2835.89	3196.28	4074.09
		COAL	BELA TPS	270	0	0	0	149.37
		COAL	BHUSAWAL TPS	1210	5665.41	4801.3	5317.27	6595.75
		COAL	BUTIBORI TPP	600	0	0	0	2212.73
		COAL	CHANDRAPUR(MAHA RASHTRA) STPS	2920	13448.53	16097.12	16028.86	15850.79
		COAL	DAHANU TPS	500	3026.46	3206.13	3347.43	3617.02
		COAL	DHARIWAL TPP	600	3625.37	4228.79	3378.1	3228.9
		COAL	GEPL TPP Ph-I	120	0	0	0	0
		COAL	GMR WARORA TPS	600	3057.83	3934.82	4138.84	3895.25
		COAL	JSW RATNAGIRI TPP	300	3327.13	6199.03	7868.77	8019.75
		COAL	KHAPARKHEDA TPS	1340	6395.55	7930.84	7260.45	7471.18
		COAL	KORADI TPS	2190	10464.65	8430.42	9466.38	8429.52
		COAL	MAUDA TPS	2320	11148.95	6694.84	10403.74	11878.13
		COAL	MIHAN TPS	246	0	0	0	0
		COAL	NASIK (P) TPS	1350	0	0	0	0
		COAL	NASIK TPS	630	1788.67	737.11	2359.7	2316.16
		COAL	PARAS TPS	500	2325.27	3368.79	2773.98	2628.25
		COAL	PARLI TPS	750	2637	2408.06	2434.21	2842.07
		COAL	SHIRPUR TPP	150	0	0	0	0

		COAL	SOLAPUR STPS	1320	4352.08	3586.06	817.22	1783.67
		COAL	TIRORA TPS	3300	19352.62	18049.49	23254.4	21665.55
		COAL	TROMBAY TPS	750	4131.44	3586.29	4758.17	5018.74
		COAL	WARDHA WARORA TPP	540	2071.02	2078.85	198.36	1052.44
SR	ANDHRA PRADESH	COAL	DAMODARAM SANJEEVAIAH TPS	1600	5053.68	7228.27	7127.55	6957.21
		COAL	Dr. N.TATA RAO TPS	1760	10447.96	8330.96	11061.93	10885.93
		COAL	PAINAMPURAM TPP	1320	8550.23	8992.83	10302.97	8369.17
		COAL	RAYALASEEMA TPS	1650	6002.08	2373.87	6408.9	6637.55
		COAL	SGPL TPP	1320	6833.84	9270.13	8403.69	9736.08
		COAL	SIMHADRI	2000	10199.96	8679	10649.71	12449.08
		COAL	SIMHAPURI TPS	600	0	0	0	99.46
		COAL	THAMMINAPATNAM TPS	300	422.41	126.83	0	36.59
		COAL	VIZAG TPP	1040	201.16	1143.82	2961.32	949.1
		COAL	BELLARY TPS	1700	6021.96	3094.68	4050.4	4059.06
	KARNATAKA	COAL	KUDGI STPP	2400	5379.94	4711.33	4604.36	7566.33
		COAL	RAICHUR TPS	1720	6101.05	3927.85	8532.64	8917.98
		COAL	TORANGALLU TPS (SBU-I)	260	1270.93	1007.73	1130.77	1319.47
		COAL	TORANGALLU TPS (SBU-II)	600	1747.22	1389.74	1863.53	2484.62
		COAL	UDUPI TPP	1200	1300.98	2350.12	3277.94	5214.35
		COAL	YERMARUS TPP	1600	4738.21	3379.79	376.78	790.93
		COAL	ITPCL TPP	1200	3009.52	4819.06	7235.28	5544.59
		COAL	METTUR TPS	840	4404.67	3544.11	4619.22	5807.22
	TAMIL NADU	COAL	METTUR TPS - II	600	2485.02	1418.37	2596.36	3153.1
		COAL	MUTHIARA TPP	1200	1165.47	2297.1	3559.82	3221.74
		COAL	NORTH CHENNAI TPS	1830	7067.71	6458.77	9047.66	10711.12
		COAL	NTPL TUTICORIN TPP	1000	3874.66	5290.62	4844.41	5486.62
		COAL	TUTICORIN (P) TPP	300	0	0	0	0
		COAL	TUTICORIN TPP ST-IV	525	0	-	-	-
		COAL	TUTICORIN TPS	1050	4579.01	4132.38	5303.36	6306.31
		COAL	VALLUR TPP	1500	6998.25	4369	5674.72	7706.87
	TELANGANA	COAL	BHADRADRI TPP	1080	4569.04	1670.75	0	0
		COAL	KAKATIYA TPS	1100	6399.81	6322.47	7554.74	7727.37
		COAL	KOTHAGUDEM TPS	-	-	0	2295.57	3611.15
		COAL	KOTHAGUDEM TPS (NEW)	1000	5714.4	6316.18	7167.84	7543.74
		COAL	KOTHAGUDEM TPS (STAGE-7)	800	5260.1	6109.56	3578.51	1666.74
		COAL	RAMAGUNDEM STPS	2600	15814.77	16711.55	17126.05	18547.91
		COAL	RAMAGUNDEM-B TPS	62.5	242.62	285.95	398.09	423.03
		COAL	SINGARENI TPP	1200	8459.2	7344.3	9226.98	8698.48
ER	BIHAR	COAL	BARAUNI TPS	710	2217.71	1362.95	228.69	44.85
		COAL	BARH I	660	1063.23	0	0	0
		COAL	BARH II	1320	6591.24	7803.8	8219.09	9845.23
		COAL	KAHALGAON TPS	2340	14757.19	13231.15	16504.46	16485.91
		COAL	MUZAFFARPUR TPS	390	2561.43	2468.93	2904.66	3039.78
		COAL	NABINAGAR STPP	1320	7115.21	4734.79	2616.7	0
		COAL	NABINAGAR TPP	1000	5035.48	4264.52	4887.16	2754.75
	JHARKHAND	COAL	BOKARO 'B' TPS	0	0	18.59	94.03	688.44
		COAL	BOKARO TPS 'A' EXP	500	2638.1	3271.47	2689.99	2920.75
		COAL	CHANDRAPURA (DVC) TPS	500	3464.99	3268.59	3425.71	3560.59
		COAL	JOJOBERA TPS	240	1456.19	1417.27	1464.39	1519.04
		COAL	KODARMA TPP	1000	6219.67	7508.95	6459.72	6278.75
		COAL	MAHADEV PRASAD STPP	540	3348.14	3113.78	3029.42	2876.22
		COAL	MAITHON RB TPP	1050	7082.08	6383.36	6488.2	7267.81
		COAL	TENUGHAT TPS	420	1536.47	2237.96	2420.62	1689.05

	ODISHA	COAL	DARLIPALI STPS	1600	7948.1	4775.89	421.11	0
		COAL	DERANG TPP	1200	7715.01	5936.33	5199.79	4213.6
		COAL	IB VALLEY TPS	1740	9177.38	8643.13	6495.79	3085.46
		COAL	ICCL IMP	0	258.6	235.75	271.59	186.59
		COAL	KAMALANGA TPS	1050	6833.89	7101.19	5865.43	6690.02
		COAL	NALCO IMP	0	53.56	177.75	46.3	194.02
		COAL	TALCHER (OLD) TPS	0	0	3405.51	3378.28	3606.84
		COAL	TALCHER STPS	3000	19957.99	21897.14	19261.2	21242.3
		COAL	UTKAL TPP (IND BARATH)	350	0	0	0	0
		COAL	VEDANTA TPP	600	2276.82	3033.78	585.71	828.09
	WEST BENGAL	COAL	BAKRESWAR TPS	1050	7532.17	7896.57	7002.77	7182.26
		COAL	BANDEL TPS	330	1553.32	1170.8	860.04	1315.39
		COAL	BUDGE BUDGE TPS	750	5049.86	5422.69	5798.13	6011.69
		COAL	D.P.L. TPS	550	2346.39	2787.96	2233.33	2442.23
		COAL	DISHERGARH TPP	12	0	-	-	-
		COAL	DURGAPUR STEEL TPS	1000	5524.2	5780.98	6319.02	6293.54
		COAL	DURGAPUR TPS	210	173.16	135.82	437.85	981.28
		COAL	FARAKKA STPS	2100	11119.42	11928.6	13132.63	14846.44
		COAL	HALDIA TPP	600	3885.02	4224.94	4430.09	4614.74
		COAL	HIRANMAYE TPP	300	949.84	433.86	10.02	80.71
		COAL	KOLAGHAT TPS	1260	3857.38	1769.36	2871.42	4422.88
		COAL	MEJIA TPS	2340	13128.79	12828.81	12540.81	12744.35
		COAL	RAGHUNATHPUR TPP	1200	5501.21	5225.69	5030.71	3208.4
		COAL	SAGARDIGHI TPS	1600	10716.41	9596.12	6695.31	6051.94
		COAL	SANTALDIH TPS	500	3543.7	3442.98	3693.99	3552.62
		COAL	SOUTHERN REPL. TPS	135	138.76	89.89	339.27	283.78
		COAL	TITAGARH TPS	240	0	0	0	0
		COAL	BONGAIGAON TPP	750	3771.83	2976.74	3929.96	2824.21
NER	ASSAM							
Total				203899.50	938363.63	950937.55	961218.23	987681.83

***PROVISIONAL BASED ON ACTUAL-CUM-ASSESSMENT**

1. Gross Generation from Coal stations of 25 MW and above only.

ANNEXURE-II

ANNEXURE REFERRED TO IN REPLY TO PART (b) OF UNSTARRED QUESTION NO. 1597 ANSWERED IN THE RAJYA SABHA ON 15.03.2022

Details of power generated (State-wise) through imported coal during the last three years and current year (Up to February, 2022)

Year (Up to February, 2022)								
					GENERATION(MUs)			
Region	State	Fuel	Name of Stations	Monitored Capacity as on 28.02.2022 MW	*2021-22 (upto-Feb, 22)	2020-21	2019-20	2018-19
WR	GUJARAT	COAL- I	MUNDRA TPS	-	-	-	29825.01	23912.38
		COAL- I	MUNDRA TPS-I & II	2640	7848.69	13693.7	-	-
		COAL- I	MUNDRA TPS-III	1980	2982.15	11971.28	-	-
		COAL- I	MUNDRA UMTTP	4000	8375.54	26208.53	26495.39	26839.3
		COAL- I	SALAYA TPP	1200	0	4048.87	4589.86	0
		COAL- I	SIKKA REP. TPS	500	962.12	1836.22	2711.25	2725.93
	MAHARASHTRA	COAL- I	JSW RATNAGIRI TPP	300	3327.13	6199.03	7868.77	8019.75
		COAL- I	TROMBAY TPS	750	4131.44	3586.29	4758.17	5018.74
SR	ANDHRA PRADESH	COAL- I	SIMHAPURI TPS	600	0	0	0	99.46
		COAL- I	THAMMINAPATNAM TPS	300	422.41	126.83	0	36.59
	KARNATAKA	COAL- I	TORANGALLU TPS(SBU-I)	260	1270.93	1007.73	1130.77	1319.47
		COAL- I	TORANGALLU TPS(SBU-II)	600	1747.22	1389.74	1863.53	2484.62
		COAL- I	UDUPI TPP	1200	1300.98	2350.12	3277.94	5214.35
	TAMIL NADU	COAL- I	ITPCL TPP	1200	3009.52	4819.06	7235.28	5544.59
		COAL- I	MUTHIARA TPP	1200	1165.47	2297.1	3559.82	3221.74
		COAL- I	TUTICORIN (P) TPP	300	0	0	0	0
Total				17030	36543.6	79534.5	93315.79	84436.92

***PROVISIONAL BASED ON ACTUAL-CUM-ASSESSMENT**

1. Gross Generation from Coal stations of 25 MW and above only.
