

**GOVERNMENT OF INDIA
MINISTRY OF POWER
LOK SABHA
UNSTARRED QUESTION NO.3610
ANSWERED ON 24.03.2022**

CAPACITY UTILISATION OF THERMAL POWER PLANTS

3610. SHRI KESINENI SRINIVAS:

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

- (a) the details of the amount overdue to the power generators by DISCOMs, State-wise;**
- (b) whether overdue amount has crossed Rs. 11000 crores and if so, the details thereof along with the measures being taken to make the power sector sustainable;**
- (c) whether the Government proposes to provide data on the capacity utilization (plant load factor) for thermal power plants during the last three years and the current year and if so, the details thereof;**
- (d) the reasons for decreases in capacity utilization (plant load factor) in thermal power plants; and**
- (e) the measures being taken by the Government to improve capacity utilization (plant load factor) of thermal power plants?**

A N S W E R

THE MINISTER OF POWER AND NEW & RENEWABLE ENERGY

(SHRI R.K. SINGH)

(a) & (b) : As per data provided by the power sector Generating companies, on the PRAAPTI Portal, at the end of February, 2022, a total amount of Rs.1,00,931 Crore was due from the DISCOMs. The details are placed at Annexure-I.

The Government of India have made several interventions to improve financial and operational efficiencies of DISCOMs linked to reform measures including Liquidity Infusion Scheme (LIS); Additional Borrowing of 0.5% of GSDP to States linked to power sector reforms; introducing additional prudential norms for lending by Power Finance Corporation (PFC) Limited and REC Limited based on performance of utilities; and Revamped Distribution Sector Scheme (RDSS).

Government have also issued an order dated 28th June, 2019 enforcing opening and maintaining of adequate Letter of Credit (LC) as payment security mechanism under Power Purchase Agreement (PPAs) by Distribution Licensees. The order mandates NLDC & RLDC to dispatch power only after it has intimated to GENCO & DISCOM confirming opening of LC. These reform measures will improve the financial health of DISCOMs which will improve the liquidity situation leading to reduction in outstanding dues to Power Generating companies (GENCOS).

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(c) : Details of Plant load factor (PLF) from thermal power plants of 25 MW and above capacity in the country during the last three years & current year i.e. from 2018-19 to 2021-22 (up to February, 2022) are given at Annexure-II.

(d) : The Plant Load Factor (PLF)/generation of thermal, (coal/lignite based) Stations depends on total electricity demand in the country and generation from various other sources like hydro, nuclear, gas etc. At all times, a balance between electricity generation and demand is required to be maintained for stable system operation. As per the Indian Electricity Grid Code notified by the Central Electricity Regulatory Commission (CERC), "Must Run Status" has been accorded to Renewable Energy projects (Solar, wind & Small Hydro) which therefore get dispatched on priority and are generally fully utilized. The generation from the hydro power plants is commensurate with availability of water and is generally fully utilized.

Thus, the utilization of coal/lignite based plants depends on balance generation required from thermal Stations and the position of the particular plant in the merit order. Hence, the thermal Stations are generally operating on low PLF. The PLF of gas-based station are low due to prevailing gas shortages leading to non-availability of adequate gas.

Further, during pandemic season, electricity demand was less and hence the PLF was low in FY 2020-2021. In 2021-2022, the PLF increased over and above FY 2020-2021 due to revival of consumption.

(e) : Increasing the hours of Power Supply increase the power demand and PLF. The Government has initiated several initiatives which include introduction of Real Time Markets and Green Term Ahead Markets. Further, the Government has recently launched a Revamped Distribution Sector Scheme, which allows financial assistance to States/DISCOMs to create Distribution Infrastructure linked to initiation of reforms and achievements of results. The reforms include increasing the hours of power supply to urban and rural areas, for which mutually agreed upon annual trajectories till 2024-25 for improvement forms one of the parameters of evaluation.

ANNEXURE-I

ANNEXURE REFERRED TO IN REPLY TO PARTS (a) & (b) OF UNSTARRED QUESTION NO. 3610 ANSWERED IN THE LOK SABHA ON 24.03.2022

Overdue of States towards Gencos (As per PRAAPTI Portal as on 28.02.22)

(Overdue figures do not include disputed amount)

States/UTs	Total Overdues (Rs. Cr.)
Arunachal Pradesh	-
Andaman and Nicobar Islands	8
Andhra Pradesh	7538
Assam	5
West Bengal	527
Bihar	684
Chandigarh	78
Chhattisgarh	121
Delhi	557
Dadra and Nagar Haveli & Daman and Diu	405
Gujarat	337
Goa	9
Himachal Pradesh	14
Haryana	754
Jammu & Kashmir	6863
Jharkhand	3567
Kerala	477
Karnataka	5240
Meghalaya	548
Maharashtra	19278
Manipur	45
Madhya Pradesh	5243
Mizoram	12
Nagaland	-
Odisha	251
Punjab	1326
Puducherry	24
Rajasthan	10855
Sikkim	48
Telangana	6889
Tamil Nadu	19442
Tripura	146
Uttar Pradesh	9634
Uttarakhand	6
Total	1,00,931

[Source: PRAPPTI Portal]

**ANNEXURE REFERRED TO IN REPLY TO PART (c) OF UNSTARRED QUESTION NO. 3610
ANSWERED IN THE LOK SABHA ON 24.03.2022**

Details of Plant load factor (PLF) from thermal power plants of 25 MW and above capacity in the country during the last three years & current year i.e. from 2018-19 to 2021-22 (up to February, 2022)

STATE-WISE STATION-WISE %PLF DETAILS FROM 2018-19 TO 2021-22 (UPTO FEB 22)*

Region	State	Name of stations	Fuel	Monitored Capacity as on 31.02.2022 MW	%PLF			
					2018-19	2019-20	2020-21	2021-22 (upto-Feb,22)*
NR	DELHI	BADARPUR TPS	COAL	-	38.67	0	-	-
		I.P.CCPP	NATURAL GAS	270	25.35	21.15	19.39	8.89
		PRAGATI CCGT-III	NATURAL GAS	1500	27.55	30.24	25.19	24.6
		PRAGATI CCPP	NATURAL GAS	330.4	52.37	52.7	53.06	54.39
		RITHALA CCPP	NATURAL GAS	108	0	0	0	0
	HARYANA	FARIDABAD CCPP	NATURAL GAS	431.59	15.79	14.64	23.85	3.48
		INDIRA GANDHI STPP	COAL	1500	56.22	29.17	27.81	51.71
		MAHATMA GANDHI TPS	COAL	1320	59.66	50.79	42.14	69.52
		PANIPAT TPS	COAL	710	41.93	24.41	19.59	40.45
		RAJIV GANDHI TPS	COAL	1200	36.65	21.97	15.57	24.48
		YAMUNA NAGAR TPS	COAL	600	63.2	52.01	49.68	45.69
	JAMMU AND KASHMIR	PAMPURE GPS (Liq.)	HIGH SPEED DIESEL	175	0	0	0	0
	PUNJAB	GH TPS (LEH.MOH.)	COAL	920	30.84	11.33	11.24	23.17
		GOINDWAL SAHIB TPP	COAL	540	51.7	27.68	27.12	39.8
		RAJPURA TPP	COAL	1400	74.39	71.21	64.84	78.35
		ROPAR TPS	COAL	840	18.76	14.25	12.01	20.78
		TALWANDI SABO TPP	COAL	1980	61.34	50.97	40.19	50.09
	RAJASTHAN	ANTA CCPP	NATURAL GAS	419.33	14.99	8.2	9.92	3.08
		BARSINGSAR LIGNITE	LIGNITE	250	61.97	69.58	66.29	73.74
		CHHABRA TPP	COAL	-	83.22	66.39	70.96	-
		CHHABRA-I PH-1 TPP	COAL	500	-	-	-	55.54
		CHHABRA-I PH-2 TPP	COAL	500	-	-	-	48.09
		CHHABRA-II TPP	COAL	1320	-	-	-	46.11
		DHOLPUR CCPP	NATURAL GAS	330	0.72	0	3.82	0
		GIRAL TPS	LIGNITE	250	-	-	-	0
		JALIPA KAPURDI TPP	LIGNITE	1080	70.82	61.93	74.27	74.97
		KALISINDH TPS	COAL	1200	52.8	54.34	57.93	66.28
		KAWAI TPS	COAL	1320	65.72	69	74.29	70.31
		KOTA TPS	COAL	1240	72.92	59.8	47.8	63.2
		RAMGARH CCPP	NATURAL GAS	273.8	41.61	30.41	22.68	60.33
		SURATGARH STPS	COAL	1320	0	0	0	0
		SURATGARH TPS	COAL	1500	54.56	35.6	7.53	25.27
	UTTAR PRADESH	ANPARA C TPS	COAL	1200	78.36	71.53	82.44	77.83
		ANPARA TPS	COAL	2630	87.42	73.79	66.32	74.56
		AURAIYA CCPP	NATURAL GAS	663.36	9.38	7.63	11.83	6.56
		BARKHERA TPS	COAL	90	18.86	11.49	23.36	26.82
		DADRI (NCTPP)	COAL	1820	66.07	40.95	24.82	36.06
		DADRI CCPP	NATURAL GAS	829.78	22.86	25.41	24.53	11.15
		HARDUAGANJ TPS	COAL	1265	59.28	61.61	40.43	22.98
		KHAMBARKHERA TPS	COAL	90	17.91	10.1	23.86	26.66
		KUNDARKI TPS	COAL	90	25.83	15.83	31.28	38.08
		LALITPUR TPS	COAL	1980	31.42	41.25	42.03	55.8
		MAQSOODPUR TPS	COAL	90	17.92	12.97	24.2	27.17
		MEJA STPP	COAL	1320	0	17.8	58.37	67.47
		OBRA TPS	COAL	1094	37.8	38.46	49.03	47.91
		PARICHHA TPS	COAL	1140	49.86	38.3	36.82	36.79
		PRAYAGRAJ TPP	COAL	1980	44.74	52.44	61.98	67.33
		RIHAND STPS	COAL	3000	86.33	88.64	89.04	84.31
		ROSA TPP Ph-I	COAL	1200	41.29	57.3	64.22	57.49
		SINGRAULI STPS	COAL	2000	84.46	87.27	85.39	81.45
		TANDA TPS	COAL	1760	61.53	61.32	59.55	53.32
		UNCHAHAR TPS	COAL	1550	71.52	62.62	52.71	59.8
		UTRAULA TPS	COAL	90	24.87	15.11	33.15	33.52

	UTTARAKHAND	GAMA CCPP	NATURAL GAS	225	20.92	31.82	11.66	20.1
		KASHIPUR CCPP	NATURAL GAS	225	42.71	68.71	24.96	36.02
WR	CHHATTISGARH	AKALTARA TPS	COAL	1800	50.18	65.21	66.43	54.95
		AVANTHA BHANDAR	COAL	600	0	9.18	54.74	67.7
		BALCO TPS	COAL	600	52.66	66.37	71.95	64.17
		BANDAKHAR TPP	COAL	300	81.34	78.26	79.56	81.89
		BARADARHA TPS	COAL	1200	64.02	61.09	76.8	80.51
		BHILAI TPS	COAL	500	78.22	62.52	73.29	78.8
		BINKOTE TPP	COAL	600	27.87	50.92	35.52	34.2
		CHAKABURA TPP	COAL	30	91.91	89.31	77.77	33.92
		DSPM TPS	COAL	500	87.4	87.61	76.18	88.48
		KASAIPALLI TPP	COAL	270	80.35	71.5	59.38	55.86
		KATGHORA TPP	COAL	35	0	0	0	0
		KORBA STPS	COAL	2600	88.18	86.67	93.66	94.01
		KORBA-II	COAL	-	12.91	0	0	-
		KORBA-III	COAL	0	62.66	62.08	55.36	0
		KORBA-WEST TPS	COAL	1340	80.7	73.91	79.9	74.93
		LARA TPP	COAL	1600	0	68.73	59.28	81.17
		MARWA TPS	COAL	1000	73.24	49.59	51.85	52.99
		NAWAPARA TPP	COAL	600	58.89	36.56	37.35	11.94
		OP JINDAL TPS	COAL	1000	38.23	26.66	50.21	57.52
		PATHADI TPP	COAL	600	81.68	66.04	86.93	75.83
		RAIKHEDA TPP	COAL	1370	46.68	48.46	54.5	72.44
		RATIJA TPS	COAL	100	90.61	81.31	55.21	75.54
		SALORA TPP	COAL	135	0	0	0	0
		SIPAT STPS	COAL	2980	91.58	86.07	90.12	81.95
		SVPL TPP	COAL	63	2.25	56.58	0	0
		SWASTIK KORBA TPP	COAL	25	0	0	0	0
		TAMNAR TPP	COAL	2400	39.51	33.77	41.23	43.26
		UCHPINDA TPP	COAL	1440	20.27	22.32	38.21	52.04
	GOA	GOA CCPP (Liq.)	NAPHTHA	48	0	0	0	0
	GUJARAT	AKRIMOTA LIG TPS	LIGNITE	250	54.27	33.71	19.87	25.67
		BARODA CCPP	NATURAL GAS	160	0	0.9	1.01	0
		BHAVNAGAR CFBC TPP	LIGNITE	500	0	13.58	27.42	37.83
		DGEN MEGA CCPP	NATURAL GAS	1200	0.01	6.8	10.07	0.25
		DHUVARAN CCPP	NATURAL GAS	594.72	13.44	16.06	31.57	5.62
		ESSAR CCPP	NATURAL GAS	515	0	0	0	0
		GANDHAR CCPP	NATURAL GAS	657.39	27.33	7.56	14.4	7.33
		GANDHI NAGAR TPS	COAL	630	67.12	30.88	26.54	57.6
		HAZIRA CCPP	NATURAL GAS	156.1	1.77	3.15	28.83	1.93
		HAZIRA CCPP EXT	NATURAL GAS	351	11.46	18.86	42.5	2.61
		KAWAS CCPP	NATURAL GAS	656.2	43.48	23.99	17.9	4.85
		KUTCH LIG. TPS	LIGNITE	150	47.45	34.67	34.56	39.63
		MUNDRA TPS	COAL	-	59.08	73.49	-	-
		MUNDRA TPS-I & II	COAL	2640	-	-	59.21	37.09
		MUNDRA TPS-III	COAL	1980	-	-	69.02	18.79
		MUNDRA UMTTP	COAL	4000	76.6	75.41	74.8	26.12
		PEGUTHAN CCPP	NATURAL GAS	655	5.12	0	0	0
		PIPAVAV CCPP	NATURAL GAS	702	8.03	8.76	44.13	2.48
		SABARMATI (D-F STATIONS)	COAL	362	87.84	72.9	44.27	76.42
		SALAYA TPP	COAL	1200	0	43.54	38.52	0
		SIKKA REP. TPS	COAL	500	62.24	61.73	41.92	24
		SUGEN CCPP	NATURAL GAS	1147.5	62.05	59.56	59.56	46.67
		SURAT LIG. TPS	LIGNITE	500	80.41	76.5	67.94	65.77
		UKAI TPS	COAL	1110	71.34	59.29	47.33	49.34
		UNOSUGEN CCPP	NATURAL GAS	382.5	0	59.82	57.57	44.8
		UTRAN CCPP	NATURAL GAS	374	12.77	22.74	53.83	9.34
		WANAKBORI TPS	COAL	2270	64.79	33.98	32.23	54.58
	MADHYA PRADESH	AMARKANTAK EXT TPS	COAL	210	88.94	91.7	88.74	82.06
		ANUPPUR TPP	COAL	1200	63.64	59.46	63.3	72.3
		BINA TPS	COAL	500	57.16	57.23	38.5	53.93
		GADARWARA TPP	COAL	1600	0	15.33	57.56	54.62
		KHARGONE STPP	COAL	1320	-	0	0	0
		MAHAN TPP	COAL	1200	40.88	31.13	27.49	30.52
		NIGRI TPP	COAL	1320	63.39	54.82	70.11	73.57
		NIWARI TPP	COAL	90	19.63	33.57	21.59	20.12

		SANJAY GANDHI TPS	COAL	1340	73.95	56.11	73.4	53.86
		SASAN UMTTP	COAL	3960	94.78	95.85	96.25	93.81
		SATPURA TPS	COAL	1330	64.14	45.16	38.67	28.98
		SEIONI TPP	COAL	600	47.58	55.05	69.96	68.16
		SHREE SINGAJI TPP	COAL	2520	60.68	39.06	26.86	41.46
		VINDHYACHAL STPS	COAL	4760	90.03	85.29	88.73	85.95
	MAHARASHTRA	AMRAVATI TPS	COAL	1350	34.45	26.95	23.98	74.79
		BELA TPS	COAL	270	6.32	0	0	0
		BHUSAWAL TPS	COAL	1210	62.23	50.03	45.3	58.41
		BUTIBORI TPP	COAL	600	42.1	0	0	0
		CHANDRAPUR(MAHARAS HTRA) STPS	COAL	2920	61.97	62.49	62.93	57.46
		DAHANU TPS	COAL	500	82.58	76.22	73.2	75.51
		DHARIWAL TPP	COAL	600	61.43	64.1	80.46	75.38
		GEPL TPP Ph-I	COAL	120	0	0	0	0
		GMR WARORA TPS	COAL	600	74.11	78.53	74.86	63.58
		JSW RATNAGIRI TPP	COAL	300	76.29	74.65	58.97	47.35
		KHAPARKHEDA TPS	COAL	1340	63.65	61.68	67.56	59.54
		KORADI TPS	COAL	2190	40.09	44.9	40.1	56.63
		MANGAON CCPP	NATURAL GAS	388	0	0	0	0
		MAUDA TPS	COAL	2320	58.45	51.05	32.94	59.95
		MIHAN TPS	COAL	246	0	0	0	0
		NASIK (P) TPS	COAL	1350	0	0	0	0
		NASIK TPS	COAL	630	41.97	42.64	13.36	35.42
		PARAS TPS	COAL	500	60.01	63.16	76.91	58.02
		PARLI TPS	COAL	750	27.73	25.17	36.65	43.86
		RATNAGIRI CCPP	NATURAL GAS	1967.08	25.92	24.68	14.94	18.6
		SHIRPUR TPP	COAL	150	0	0	0	0
		SOLAPUR STPS	COAL	1320	30.85	7.05	31.01	41.13
		TIRORA TPS	COAL	3300	74.95	80.22	62.44	73.16
		TROMBAY CCPP	NATURAL GAS	180	89.47	71.91	87.62	58.99
		TROMBAY TPS	COAL	750	45.83	54.17	54.59	68.72
		URAN CCPP	NATURAL GAS	672	43.74	44.02	34.11	35.62
		WARDHA WARORA TPP	COAL	540	22.25	4.18	43.95	47.84
SR	ANDHRA PRADESH	DAMODARAM SANJEEVAIAH TPS	COAL	1600	49.64	50.71	51.57	39.4
		Dr. N.TATA RAO TPS	COAL	1760	70.61	71.55	54.04	74.06
		GAUTAMI CCPP	NATURAL GAS	464	0	0	0	0
		GMR Energy Ltd - Kakinada	NATURAL GAS	220	0	0	0	0
		GODAVARI CCPP	NATURAL GAS	208	62.72	31.03	23.01	12.99
		GREL CCPP (Rajahmundry)	NATURAL GAS	768	0	0	0	0
		JEGURUPADU CCPP PH I	NATURAL GAS	235.4	40.07	31.73	31.63	24.72
		JEGURUPADU CCPP PH II	NATURAL GAS	220	0	0	0	0
		KONASEEMA CCPP	NATURAL GAS	445	0	0	0	0
		KONDAPALLI CCPP	NATURAL GAS	368.144	54.37	24	30.74	12.75
		KONDAPALLI EXTN CCPP	NATURAL GAS	366	0	0	0	0
		KONDAPALLI ST-3 CCPP	NATURAL GAS	742	0	0	0	0
		LVS POWER DG	DIESEL	36.8	0	0	0	0
		PAINAMPURAM TPP	COAL	1320	72.38	88.86	77.77	80.81
		PEDDAPURAM CCPP	NATURAL GAS	220	0	0	0	0
		RAYALASEEMA TPS	COAL	1650	45.92	44.22	16.42	45.38
		SGPL TPP	COAL	1320	84.2	72.48	80.17	64.58
		SIMHADRI	COAL	2000	71.06	60.62	49.54	63.62
		SIMHAPURI TPS	COAL	600	1.89	0	0	0
		THAMMINAPATNAM TPS	COAL	300	1.39	0	4.83	17.57
		VEMAGIRI CCPP	NATURAL GAS	370	0	0	0	0
		VIJESWARAM CCPP	NATURAL GAS	272	46.77	42.45	52.89	41.74
		VIZAG TPP	COAL	1040	10.42	32.42	12.56	2.41
	KARNATAKA	BELLARY DG	DIESEL	25.2	0	0	0	0
		BELLARY TPS	COAL	1700	27.26	27.12	20.78	44.19
		KUDGI STPP	COAL	2400	40.07	21.84	22.41	27.96
		RAICHUR TPS	COAL	1720	59.19	56.48	26.07	44.25
		TORANGALLU TPS(SBU-I)	COAL	260	57.93	49.51	44.25	60.98

		TORANGALLU TPS(SBU-II)	COAL	600	47.27	35.36	26.44	36.33
		UDUPI TPP	COAL	1200	49.6	31.1	22.36	13.52
		YERMARUS TPP	COAL	1600	5.64	2.68	24.11	36.94
	KERALA	BRAMHAPURAM DG	DIESEL	63.96	0.05	0.02	0	0
		COCHIN CCPP (Liq.)	NAPTHA	174	0	0	0	0
		KOZHICODE DG	DIESEL	96	0.45	1.42	0.93	0
		R. GANDHI CCPP (Liq.)	NAPTHA	359.58	0.03	0	3.22	0
	PUDUCHERRY	KARAIKAL CCPP	NATURAL GAS	32.5	80.74	89.6	81.54	88.91
	TAMIL NADU	BASIN BRIDGE GT (Liq.)	NAPTHA	120	0	0	0	0
		ITPCL TPP	COAL	1200	52.75	68.64	45.84	31.29
		KARUPPUR CCPP	NATURAL GAS	119.8	61.7	75.57	25.77	18.71
		KOVIKALPAL CCPP	NATURAL GAS	107.88	33.37	35.23	28.71	16.4
		KUTTALAM CCPP	NATURAL GAS	100	46.83	15.24	55.93	42.6
		METTUR TPS	COAL	840	78.92	62.6	48.16	65.41
		METTUR TPS - II	COAL	600	59.99	49.26	26.99	51.67
		MUTHIARA TPP	COAL	1200	30.65	33.77	21.85	12.12
		NEYVELI (EXT) TPS	LIGNITE	420	80.17	90.22	75.75	87.78
		NEYVELI NEW TPP	LIGNITE	1000	0	0	0	0
		NEYVELI TPS(Z)	LIGNITE	250	58.92	65.46	40.46	75.06
		NEYVELI TPS-I	LIGNITE	0	59.94	61.74	45.39	0
		NEYVELI TPS-II	LIGNITE	1470	83.44	80.2	54.01	74.33
		NEYVELI TPS-II EXP	LIGNITE	500	44.09	36.74	47.85	48.76
		NORTH CHENNAI TPS	COAL	1830	66.82	56.29	40.29	48.18
		NTPL TUTICORIN TPP	COAL	1000	62.63	55.15	60.4	48.34
		P.NALLUR CCPP	NATURAL GAS	330.5	0	0	0.07	0
		SAMALPATTI DG	DIESEL	105.7	0	0	0	0
		SAMAYANALLUR DG	DIESEL	106.001	0	0	0	0
		TUTICORIN (P) TPP	COAL	300	0	0	0	0
		TUTICORIN TPP ST-IV	COAL	525	-	-	-	0
		TUTICORIN TPS	COAL	1050	68.56	57.5	44.93	54.4
		VALANTARVY CCPP	NATURAL GAS	52.8	76.29	66.22	46.02	17.05
		VALLUR TPP	COAL	1500	58.65	43.07	33.25	58.2
		VALUTHUR CCPP	NATURAL GAS	186.2	72.22	79.47	62.42	56.11
	TELANGANA	BHADRADRI TPP	COAL	1080	0	0	0	0
		KAKATIYA TPS	COAL	1100	80.19	78.19	65.61	72.58
		KOTHAGUEM TPS	COAL	-	57.25	62.22	0	-
		KOTHAGUEM TPS (NEW)	COAL	1000	86.12	81.6	72.1	71.29
		KOTHAGUEM TPS (STAGE-7)	COAL	800	93.42	50.92	87.18	82.03
		RAMAGUNDEM STPS	COAL	2600	81.44	74.99	73.37	75.88
		RAMAGUNDEM-B TPS	COAL	62.5	77.27	72.51	52.23	48.43
		SINGARENI TPP	COAL	1200	82.75	87.54	69.87	87.94
ER	ANDAMAN NICOBAR	AND. NICOBAR DG	DIESEL	40.048	34.41	27.34	33.77	32.43
	BIHAR	BARAUNI TPS	COAL	710	2.44	3.67	21.91	38.97
		BARH I	COAL	660	0	0	0	0
		BARH II	COAL	1320	85.14	70.89	67.49	62.29
		KAHALGAON TPS	COAL	2340	80.43	80.3	64.55	78.67
		MUZAFFARPUR TPS	COAL	390	56.89	54.21	46.2	54.02
		NABINAGAR STPP	COAL	1320	0	77.56	81.89	79.05
		NABINAGAR TPP	COAL	1000	60.26	74.18	64.91	76.23
	JHARKHAND	BOKARO `B` TPS	COAL	0	37.42	5.1	1.01	0
		BOKARO TPS `A` EXP	COAL	500	66.68	61.25	74.69	65.82
		CHANDRAPURA(DVC) TPS	COAL	500	64.52	61.9	74.63	86.45
		JOJOBERA TPS	COAL	240	72.25	69.46	67.41	75.69
		KODARMA TPP	COAL	1000	71.68	73.54	85.72	77.59
		MAHADEV PRASAD STPP	COAL	540	60.8	63.87	65.82	77.35
		MAITHON RB TPP	COAL	1050	79.02	70.35	69.4	84.14
		TENUGHAT TPS	COAL	420	45.91	65.61	60.83	45.64
	ODISHA	DARLIPALI STPS	COAL	1600	0	0	0	78.24
		DERANG TPP	COAL	1200	40.08	49.33	56.47	80.2
		IB VALLEY TPS	COAL	1740	83.86	56.57	56.7	65.8
		KAMALANGA TPS	COAL	1050	72.73	63.59	77.2	81.19
		TALCHER (OLD) TPS	COAL	0	89.51	83.61	84.51	0
		TALCHER STPS	COAL	3000	80.83	73.09	83.32	82.99
		UTKAL TPP (IND BARATH)	COAL	350	0	0	0	0
		VEDANTA TPP	COAL	600	7.88	5.56	28.86	32.47

	WEST BENGAL	BAKRESWAR TPS	COAL	1050	78.09	75.93	85.85	89.49
		BANDEL TPS	COAL	330	44.18	29.67	40.5	58.72
		BUDGE BUDGE TPS	COAL	750	91.5	88.01	82.54	84
		D.P.L. TPS	COAL	550	42.24	39.6	57.87	53.22
		DISHERGARH TPP	COAL	12	-	-	-	0
		DURGAPUR STEEL TPS	COAL	1000	71.84	71.94	65.99	68.91
		DURGAPUR TPS	COAL	210	53.34	23.74	7.38	10.29
		FARAKKA STPS	COAL	2100	80.7	71.19	64.84	66.05
		HALDIA GT (Liq.)	HIGH SPEED DIESEL	40	0	0	0	0
		HALDIA TPP	COAL	600	87.8	84.06	80.38	80.78
		HIRANMAYE TPP	COAL	300	0	0.38	16.51	39.5
		KASBA GT (Liq.)	HIGH SPEED DIESEL	40	0	0	0	0
		KOLAGHAT TPS	COAL	1260	40.07	25.94	16.03	38.19
		MEJIA TPS	COAL	2340	62.17	61.01	62.58	69.99
		RAGHUNATHPUR TPP	COAL	1200	30.52	47.73	49.71	57.19
		SAGARDIGHI TPS	COAL	1600	49.94	47.64	68.47	83.55
		SANTALDIH TPS	COAL	500	81.11	84.11	78.61	88.42
		SOUTHERN REPL. TPS	COAL	135	24	28.61	7.6	12.82
		TITAGARH TPS	COAL	240	0	0	0	0
NER	ASSAM	BONGAIGAON TPP	COAL	750	64.44	59.65	45.31	62.74
		KATHALGURI CCPP	NATURAL GAS	291	64.31	66.67	61.59	69.97
		LAKWA GT	NATURAL GAS	97.2	49.47	41.45	51.75	47.67
		LAKWA REPLACEMENT POWER PROJECT	NATURAL GAS	69.755	47.11	81.24	78.38	84.09
		NAMRUP CCPP	NATURAL GAS	162.4	22.26	17.86	15.19	42.09
	MANIPUR	LEIMAKHONG DG	DIESEL	36	0	0	0	0
	TRIPURA	AGARTALA GT	NATURAL GAS	135	55.02	68.04	74.42	79.89
		BARAMURA GT	NATURAL GAS	42	33.86	46.77	37.54	61.15
		MONARCHAK CCPP	NATURAL GAS	101	77	80.42	60.21	80.54
		ROKHIA GT	NATURAL GAS	95	42.58	45.88	35.77	40.41
		TRIPURA CCPP	NATURAL GAS	726.6	74.02	60.87	79.97	63.35
ALL INDIA				235898.7	61.07	55.99	54.51	58.01
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