

**GOVERNMENT OF INDIA
MINISTRY OF POWER**

**LOK SABHA
UNSTARRED QUESTION NO.1718
TO BE ANSWERED ON 11.02.2021**

SHUTDOWN OF COAL BASED POWER PLANTS

1718. DR. SHASHI THAROOR:

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

- (a) the details and shutdown dates of old polluting coal based power plants identified for shutdown as per Finance Minister's Budget Speech on February 1, 2020;**
- (b) the details of location and developer-information of coal based power plants granted clearance by Ministry of Environment, Forest and Climate Change (MoEFCC) during last three years;**
- (c) the details of coal based power plants shutdown during the last three years due to environmental issues;**
- (d) the details of power plants penalized or shutdown for non-compliance with timeline for reducing pollution under MoEFCC notification dated December 7, 2015;**
- (e) the actions taken against power plants showing non-compliance to install Flue-Gas Desulphurization (FGD) as per the said notification;**
- (f) the details of power plants exempted from penal actions despite non-compliance and the reasons therefor; and**
- (g) the steps taken to identify non-compliance by power plants by setting interim milestones before final FGD-installation or lapse of deadline to avoid inaction at early stages?**

A N S W E R

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

(SHRI R.K. SINGH)

(a): Setting up of a power plant is a de-licensed activity. Utilities take their own decision to retire/shut down their units based on techno commercial assessment, non-compliance to environment norms etc. 19 coal/lignite based units of 1640.00 MW capacities (Details at Annexure-I) have retired/shut down from 01.02.2020 (date of Finance Minister's Budget Speech) until 31.01.2021.

(b) : List of coal-based power plants, along with their location and developer information, which were given Environmental clearance by Ministry of Environment, Forest & Climate Change (MoEF&CC) during the last three years is at Annexure-II.

(c) : 51 coal/lignite units of 5454 MW capacities have been retired during last 3 years (Jan' 2018 to Jan' 2021). List is enclosed at Annexure-III.

(d) to (f) : Ministry of Environment, Forest & Climate Change (MoEF&CC) notified new emission norms for coal based Thermal Power Plants (TPP) on 7th December 2015 to be complied within 2 years. However, keeping in view the techno economic feasibility and in order to ensure uninterrupted power supply position in the country, a phased/yearly implementation plan (to be implemented by 2022) for installation/upgradation of additional pollution control equipment was submitted to MoEF&CC on 13.10.2017. Accordingly, Central Pollution Control Board (CPCB) has issued directions under section 5 of Environment (Protection) Act, 1986 to thermal power plants to comply with emission norms in a phased manner while compressing the timelines for 9 TPPs upto December 2019.

As per the schedule for implementation of the new emission norms, 35 units of 15 plants (details at Annexure-IV) failed to achieve compliance. CPCB issued directions under section 5 of Environment (Protection) Act, 1986 to these plants in 2020, imposing Environmental Compensation (EC) @ Rs. 18 lakh per month per non-compliant unit. All the plants have approached Hon'ble Supreme Court against CPCB's directions dated 08.05.2020 by filing IAs in W.P.(C) 13029/1985. Hon'ble Supreme Court has granted stay on recovery of EC in case of 14 plants, whereas, the case of one plant (Hinduja Thermal Power Station, Vizag) has been admitted/heard on 02.02.2021. Therefore, the matter is sub-judice in Hon'ble Supreme Court. Further, CPCB on 16.10.2020 has subsequently revised the timelines in case of 9 TPPs where the timelines were compressed, as per the plan submitted by MoP on 13.10.2017 to MoEF&CC.

(g) : Central Electricity Authority (CEA) and CPCB are periodically reviewing the status of milestone-wise progress made by TPPs for compliance of the new emission norms.

ANNEXURE-I**ANNEXURE REFERRED TO IN REPLY TO PART (a) OF UNSTARRED QUESTION NO. 1718 TO BE ANSWERED IN THE LOK SABHA ON 11.02.2021**

List of Coal/ Lignite based units Retired from 01.02.2020 to 31.01.2021

Sl. No.	Name of Station/Plant	State	Fuel	No of Units	Unit No.	Installed Capacity (MW)	Retired (MW)	Retired on
1	Kothagudem TPS	Telangana	Coal	1	2	60(1*60)	60.00	03.03.2020
2	Chandrapura(DVC) TPS	Jharkhand	Coal	1	3	130(1*130)	130.00	19.03.2020
3	Kothagudem TPS	Telangana	Coal	1	5	120(1*120)	120.00	30.03.2020
4	Kothagudem TPS	Telangana	Coal	3	1, 4, 7	240(2*60+1*120)	240.00	31.03.2020
5	Neyveli TPS-I	Tamil Nadu	Lignite	2	1, 9	150 (1*50+1*100)	150.00	31.03.2020
6	Panipat TPS	Haryana	Coal	1	5	210 (1*210)	210.00	31.03.2020
7	Neyveli TPS-I	Tamil Nadu	Lignite	3	2, 4, 8	200 (2*50+1*100)	200.00	08.07.2020
8	Neyveli TPS-I	Tamil Nadu	Lignite	1	3	50 (1*50)	50.00	30.07.2020
9	Neyveli TPS-I	Tamil Nadu	Lignite	1	5	50 (1*50)	50.00	28.09.2020
10	Neyveli TPS-I	Tamil Nadu	Lignite	1	6	50 (1*50)	50.00	30.09.2020
11	Korba-III	Chhattisgarh	Coal	2	1, 2	240 (2*120)	240.00	01.01.2021
12	Kutch Lig. TPS	Gujarat	Lignite	2	1, 2	140 (2*70)	140.00	22.01.2021
	Total			19			1640.00	

ANNEXURE REFERRED TO IN REPLY TO PART (b) OF UNSTARRED QUESTION NO. 1718 TO BE ANSWERED IN THE LOK SABHA ON 11.02.2021

Environment Clearance by MoEF&CC during the last 3 years

Sl. No.	Year	State/UT	District	Name of Project Proponent	Brief details of the project	Date of Issue of EC
1	2018	Odisha	Angul	NTPC Limited	Talcher Thermal Power Project Stage-III (2x660 MW)	12-Sep-18
2		Tamil Nadu	Cuddalore	NLC INDIA LIMITED	Thermal Power Station II (2nd Expansion) (2*660 MW)	29-Oct-18
3		Telangana	Nalgonda	M G POWER PROJECTS LIMITED	MG Power Projects Limited (200 MW)	24-Apr-18
4	2019	Odisha	Dhenkhal	ODISHA THERMAL POWER CORPORATION LIMITED	3x800 MW Supercritical thermal Power Project	10-Dec-19
5		Rajasthan	Kota	DCM SHRIRAM LIMITED	Modernization & Expansion in Power Plant from 125.3 MW to 141 MW at Existing Facility of Shriram Nagar Industrial Area, Kota, Rajasthan.	3-Jan-19
6		Tamil Nadu	Thiruvallur	TANGEDCO	1x600 MW Ennore TPS	11-Dec-19
7		Telangana	Khammam	THE SINGARENI COLLIERIES CO LTD	800 MW Supercritical Coal Based Singareni Thermal Power Plant Expansion.	18-Dec-19
8	2020	Gujarat	Tapi	Gujarat State Electricity Corporation Limited (GSECL)	1x800 MW Coal Based Supercritical Thermal Power Plant	13-Oct-20
9		Karnataka	Belagavi	ROQUETTE RIDDHI SIDDHI PRIVATE LIMITED	Expansion of cogeneration power plant from 6 MW to 18 MW	24-Feb-20
10		Uttar Pradesh	Sonbhadra	NTPC Limited	Singrauli Super Thermal Power Project, Stage-III (2x800 MW)	13-Jul-20
11		West Bengal	Murshidabad	THE WEST BENGAL POWER DEVELOPMENT CORPORATION LIMITED	1x660 MW Coal based Supercritical Sagardighi Thermal Power Phase-III Expansion	24-Mar-20
12	2021	Odisha	Jharsuguda	NLC INDIA LTD	NLC-Talabira Thermal Power Project (3x800 MW)	2-Feb-21

ANNEXURE-III

ANNEXURE REFERRED TO IN REPLY TO PART (c) OF UNSTARRED QUESTION NO. 1718 TO BE ANSWERED IN THE LOK SABHA ON 11.02.2021

List of Coal/ Lignite based Units Retired during last 3 years (Jan' 2018 to Jan' 2021)

Sl. No	Name of Station/Plant	State	Fuel	No of Units	Unit No.	Installed Capacity (MW)	Retired (MW)	Retired on
1	PANKI TPS	Uttar Pradesh	Coal	2	3, 4	210 (2*105)	210.00	16.03.2018
2	OBRA TPS	Uttar Pradesh	Coal	1	8	94 (1*94)	94.00	03.04.2018
3	BANDEL TPS	West Bengal	Coal	2	3,4	120 (2*60)	120.00	20.04.2018
4	BHATINDA TPS	Punjab	Coal	4	1, 2, 3, 4	440(4*110)	440.00	31.08.2018
5	ROPAR TPS	Punjab	Coal	2	1,2	420(2*210)	420.00	31.08.2018
6	Badarpur TPS	Delhi	Coal	5	1, 2, 3, 4, 5	705 (3*95+2*210)	705.00	30.10.2018
7	Neyveli TPS-I	Tamil Nadu	Lignite	1	7	100 (1*100)	100.00	06.02.2019
8	Kothagudem TPS	Telangana	Coal	3	3, 6, 8	300(1*60+2*120)	300.00	19.03.2019
9	Korba-II	Chhattisgarh	Coal	4	1, 2, 3, 4	200(4*50)	200.00	13.08.2019
10	Trombay TPS	Maharashtra	Coal	1	6	500(1*500)	500.00	12.09.2019
11	Sabarmati (C Station)	Gujarat	Coal	2	15, 16	60(2*30)	60.00	13.09.2019
12	Rajghat TPS	Delhi	Coal	2	1, 2	135(2*67.5)	135.00	23.09.2019
13	Parli TPS	Maharashtra	Coal	2	4, 5	420(2*210)	420.00	23.01.2020
14	D.P.L. TPS	West Bengal	Coal	1	6	110(1*110)	110.00	28.01.2020
15	Kothagudem TPS	Telangana	Coal	1	2	60(1*60)	60.00	03.03.2020
16	Chandrapura (DVC) TPS	Jharkhand	Coal	1	3	130(1*130)	130.00	19.03.2020
17	Kothagudem TPS	Telangana	Coal	1	5	120(1*120)	120.00	30.03.2020
18	Kothagudem TPS	Telangana	Coal	3	1, 4, 7	240(2*60+1*120)	240.00	31.03.2020
19	Neyveli TPS-I	Tamil Nadu	Lignite	2	1, 9	150 (1*50+1*100)	150.00	31.03.2020
20	Panipat TPS	Haryana	Coal	1	5	210 (1*210)	210.00	31.03.2020
21	Neyveli TPS-I	Tamil Nadu	Lignite	3	2, 4, 8	200 (2*50+1*100)	200.00	08.07.2020
22	Neyveli TPS-I	Tamil Nadu	Lignite	1	3	50 (1*50)	50.00	30.07.2020
23	Neyveli TPS-I	Tamil Nadu	Lignite	1	5	50 (1*50)	50.00	28.09.2020
24	Neyveli TPS-I	Tamil Nadu	Lignite	1	6	50 (1*50)	50.00	30.09.2020
25	Korba-III	Chhattisgarh	Coal	2	1, 2	240 (2*120)	240.00	01.01.2021
26	Kutch Lig. TPS	Gujarat	Lignite	2	1, 2	140 (2*70)	140.00	22.01.2021
	Total			51			5454	

**ANNEXURE REFERRED TO IN REPLY TO PARTS (d) TO (f) OF UNSTARRED QUESTION NO. 1718
TO BE ANSWERED IN THE LOK SABHA ON 11.02.2021**

List of TPPs penalized by CPCB for not complying with the new emission norms

Sl. No.	Thermal Power Plant	Sector	State	Unit No.	Unit No. (Capacity in MW)
1.	Vizag Hinduja TPP, HNPCL, Visakhapatnam	Private	Andhra Pradesh	2	2 (520)
2.	Sri Damodaram Sanjeevaiah TPP, APPDCL, SPSR Nellore	State	Andhra Pradesh	2	2 (800)
3.	Singareni Thermal Power Project, SCCL, Adilabad	State	Telangana	1,2	1 (600) 2 (600)
4.	Kothagudem (New) Thermal Power Station, TSGENCO, Khammam	State	Telangana	1	1 (500)
5.	North Chennai Thermal Power Station-II, TANGEDCO, Chennai,	State	Tamil Nadu	1	1 (600)
6.	Panipat Thermal Power Station - Haryana Power Generation Corporation	State	Haryana	6, 7, 8	6 (210) 7 (250) 8 (250)
7.	Rajiv Gandhi Thermal Power Station - Haryana Power Generation Corporation	State	Haryana	1, 2	1 (600) 2 (600)
8.	Yamuna Nagar Thermal Power Station - Haryana Power Generation Corporation	State	Haryana	1, 2	1 (300) 2 (300)
9.	Indira Gandhi STPP, Haryana - NTPC	Central	Haryana	1, 2, 3	1 (500) 2 (500) 3 (500)
10.	Nabha TPP, Rajpura - L&T Power Development Ltd	Private	Punjab	1, 2	1 (700) 2 (700)
11.	Guru Hargobind, Lehra Mohabbat - Punjab State Power Corporation Ltd	State	Punjab	1, 2, 3, 4	1 (210) 2 (210) 3 (250) 4 (250)
12.	Talwandi Saboo Power Limited, Punjab	Private	Punjab	1, 2, 3	1 (660) 2 (660) 3 (660)
13.	Dadri Thermal Power Plant - NTPC	Central	Uttar Pradesh	3, 4, 5, 6	1 (210) 2 (210) 3 (490) 4 (490)
14.	Harduaganj Thermal Power Station, Uttar Pradesh Raja Vidut Utpadan Nigam	State	Uttar Pradesh	8, 9	8 (250) 9 (250)
15.	Ropar Thermal Power Station - Punjab State Power Corporation Ltd	State	Punjab	3, 4, 5, 6	3 (210) 4 (210) 5 (210) 6 (210)
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