

**GOVERNMENT OF INDIA
MINISTRY OF POWER
LOK SABHA
UNSTARRED QUESTION NO.839
ANSWERED ON 07.12.2023**

INSTALLATION OF FLUE GAS DESULFURIZATION (FGD) UNITS

839. SHRI SUSHIL KUMAR SINGH:

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

- (a) the total number of thermal power plants in Bihar, district-wise;**
- (b) the number of thermal power plants in which Flue Gas Desulfurization (FGD) units are installed, district-wise;**
- (c) whether it is true that the State-owned and private sector thermal power plants in Maharashtra are yet to install the FGD units;**
- (d) if so, the details of measures taken by the Government in this regard;**
- (e) whether the Government has taken any steps to enforce compliance to install FGD units; and**
- (f) if so, the details thereof?**

A N S W E R

THE MINISTER OF POWER AND NEW & RENEWABLE ENERGY

(SHRI R.K. SINGH)

- (a) : There are 6 Thermal Power Plants (total Installed Capacity – 9,070 MW) in Bihar. The District wise list is annexed at Annexure-I.**
- (b) : There are 10 numbers of Thermal Power Plants (total 24 units of 10,600 MW capacity) in which Flue Gas De-sulfurization (FGD) units have been installed. District wise list is annexed as Annexure-II.**
- (c) : Yes Sir, some of the State-owned and private sector thermal power plants in Maharashtra are in various stages of installation of FGD units.**

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(d) to (f) : All Thermal Power Plants are required to comply with the emission norms as notified by the Ministry of Environment, Forest and Climate Change (MoEF&CC) and directions given by Central Pollution Control Board (CPCB) from time to time. For compliance with Sulphur dioxide (SO₂) emission norms, Thermal Power Plants are installing Flue Gas Desulphurization (FGD) equipment. MOEF&CC vide notification dated 05.09.2022 has specified following timelines for SO₂ compliance for non-retiring Thermal Power Plants for compliance to emission norms:

Sl. No.	Category	Location/Area	Timelines for compliance
1	Category A	Within 10 km radius of National Capital Region (NCR) or cities having million plus population (as per 2011 census of India)	Upto 31st December 2024
2	Category B	Within 10 km radius of Critically Polluted Areas or Non-attainment cities (as defined by CPCB)	Upto 31st December 2025
3	Category C	Other than those included in category A and B	Upto 31st December 2026

For non-compliance beyond the specified timelines, MoEF&CC has prescribed following environment compensation on the non-retiring thermal power plants:

Non-Compliant operation beyond the Timeline	Environmental Compensation (Rs. per unit electricity generated)
0-180 days	0.20
181-365 days	0.30
366 days and beyond	0.40

ANNEXURE-I**ANNEXURE REFERRED TO IN REPLY TO PART (a) OF UNSTARRED
QUESTION NO. 839 ANSWERED IN THE LOK SABHA ON 07.12.2023**

List of Thermal Power Plants in Bihar

Sl. No	Name of District	Sector	Organisation	Name of Thermal Power Plant (TPP)	Total Installed Capacity (MW)
1	Aurangabad	Central	NTPC-JV	BRBCL, Nabinagar Thermal Power Station	1000
2		Central	NTPC	Nabinagar Super Thermal Power Station	1980
3	Begusarai	Central	NTPC	Barauni Thermal Power Station	720
4	Patna	Central	NTPC	Barh Super Thermal Power Plant	2640
5	Bhagalpur	Central	NTPC	Kahalgaoon Super Thermal Power Station	2340
6	Muzaffarpur	Central	NTPC	Muzaffarpur Thermal Power Station (NTPC Kanti)	390
Total					9070

ANNEXURE-II**ANNEXURE REFERRED TO IN REPLY TO PART (b) OF UNSTARRED QUESTION NO. 839 ANSWERED IN THE LOK SABHA ON 07.12.2023**

List of Thermal Power Plants in India where FGD has been installed

Sl. No.	Name of Project	State	Sector	Organisa-tion	District	Unit No.	Total Capacity (MW)
1	MAHATMA GANDHI TPS	Haryana	Private	Jhajjar Power	Jhajjar	1	660.00
						2	660.00
2	DADRI (NCTPP)	Uttar Pradesh	Central	NTPC	Gautam Budh Nagar	1	210.00
						2	210.00
						3	210.00
						4	210.00
						5	490.00
3	UNCHAHAR TPS	Uttar Pradesh	Central	NTPC	Raebareli	6	500.00
4	ITPCL TPP	Tamil Nadu	Private	ITPCL	Cuddalore	1	600.00
						2	600.00
5	MUNDRA TPS	Gujarat	Private	APL	Kutch	7	660.00
						8	660.00
						9	660.00
6	KHARGONE STPP	Madhya Pradesh	Central	NTPC	West Nimar	1	660.00
						2	660.00
7	VINDHYACHA L STPS	Madhya Pradesh	Central	NTPC	Singrauli	13	500.00
8	JSW RATNAGIRI TPP	Maharashtra	Private	JSW	Ratnagiri	1	300.00
						2	300.00
						3	300.00
						4	300.00
9	DAHANU TPS	Maharashtra	Private	APL	Palghar	1	250.00
						2	250.00
10	TROMBAY TPS	Maharashtra	Private	TATA PCL	Mumbai	5	500.00
						8	250.00
Total						24	10600
