

GOVERNMENT OF INDIA
MINISTRY OF POWER
RAJYA SABHA
UNSTARRED QUESTION NO.638
ANSWERED ON 25.07.2023

NON-COMPLIANCE TO INSTALL FGD SYSTEMS BY THERMAL POWER PLANTS

**638 SHRI MOHAMMED NADIMUL HAQUE:
DR. AMAR PATNAIK:**

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

- (a) whether Government has circulated compliance requirements for installing Flue Gas Desulphurization (FGD) in all Thermal Power Plants (TPPs) within the existing deadline;
- (b) if so, the details of steps taken by Government to ensure compliance by TPPs, and if not, the reasons therefor;
- (c) whether Government has information on the number of TPPs that have installed and operationalized FGDs in their facility;
- (d) if so, details thereof, State/UT-wise and if not, reasons therefor;
- (e) whether Government has provision of financial support or incentives extended to encourage the installation of FGD systems in the TPPs; 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) & (b) : 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 to Sulphur dioxide (SO₂) emission norms, Thermal Power Plants are installing Flue Gas Desulphurisation (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

(c) & (d) : At present, 22 units having a total capacity of 9280 MW have installed and operationalized FGDs in their facility. State wise list is **annexed**.

(e) & (f) : The Government has no provision of financial support or incentives to encourage the installation of FGD systems in the TPPs. However, the additional cost implication due to installation of FGD by Thermal Power Plants is to be considered for pass through in tariff by the appropriate Regulatory Commission.

ANNEXURE

ANNEXURE REFERRED IN REPLY TO PARTS (c) & (d) OF UNSTARRED QUESTION NO. 638 ANSWERED IN THE RAJYA SABHA ON 25.07.2023

Units with FGD installed

Sl. No.	State	Sector	Organisation	Name of Project	Unit No	Total Capacity (MW)
1	Haryana	Private	Jhajjar Power	MAHATMA GANDHI TPS	1	660.00
2	Haryana	Private	Jhajjar Power	MAHATMA GANDHI TPS	2	660.00
3	Uttar Pradesh	Central	NTPC	DADRI (NCTPP)	1	210.00
4	Uttar Pradesh	Central	NTPC	DADRI (NCTPP)	2	210.00
5	Uttar Pradesh	Central	NTPC	DADRI (NCTPP)	3	210.00
6	Uttar Pradesh	Central	NTPC	DADRI (NCTPP)	4	210.00
7	Uttar Pradesh	Central	NTPC	DADRI (NCTPP)	5	490.00
8	Uttar Pradesh	Central	NTPC	UNCHA HAR TPS	6	500.00
9	Tamil Nadu	Private	ITPCL	ITPCL TPP	1	600.00
10	Tamil Nadu	Private	ITPCL	ITPCL TPP	2	600.00
11	Gujarat	Private	APL	MUNDRA TPS	7	660.00
12	Gujarat	Private	APL	MUNDRA TPS	8	660.00
13	Gujarat	Private	APL	MUNDRA TPS	9	660.00
14	Madhya Pradesh	Central	NTPC	VINDHYACHAL STPS	13	500.00
15	Maharashtra	Private	JSW	JSW RATNAGIRI TPP	1	300.00
16	Maharashtra	Private	JSW	JSW RATNAGIRI TPP	2	300.00
17	Maharashtra	Private	JSW	JSW RATNAGIRI TPP	3	300.00
18	Maharashtra	Private	JSW	JSW RATNAGIRI TPP	4	300.00
19	Maharashtra	Private	APL	DAHANU TPS	1	250.00
20	Maharashtra	Private	APL	DAHANU TPS	2	250.00
21	Maharashtra	Private	TATA PCL	TROMBAY TPS	5	500.00
22	Maharashtra	Private	TATA PCL	TROMBAY TPS	8	250.00
				Total	22	9280.00
