

GOVERNMENT OF INDIA
MINISTRY OF ENVIRONMENT, FOREST AND CLIMATE CHANGE

LOKSABHA
UNSTARRED QUESTION NO.2710
TO BE ANSWERED ON 06.03.2020

Emission from Coal based Power Plants

2710. SHRI P.K. KUNHALIKUTTY:
SHRIMATI JYOTSNA CHARANDAS MAHANT:

Will the Minister of ENVIRONMENT, FOREST AND CLIMATE CHANGE be pleased to state:

- (a) whether the Central Pollution Control Board (CPCB) has recently issued notices to many coal based power plants for non-compliance with international emission norms;
- (b) if so, the details thereof;
- (c) whether several coal based power plants owned by private and Government agencies situated at Thoothukudi in Tamil Nadu are releasing heavy sulphur dioxide, lead, mercury, nickel, cadmium, arsenic and other heavy metal contents; and
- (d) if so, the details of such thermal power plants at Thoothukudi along with the details of effluents being released by each plant?

ANSWER

MINISTER OF STATE IN THE MINISTRY OF ENVIRONMENT, FOREST AND CLIMATE CHANGE
(SHRI BABUL SUPRIYO)

(a) & (b) The Central Pollution Control Board (CPCB) has issued show cause directions to 31 units of 14 thermal power plants on 31.01.2020 for non-compliance of CPCB's directions dated 11.12.2017 issued for ensuring compliance of emission standards prescribed by Government of India . The list of thermal power plants is at Annexure.

(c) & (d) Metals like mercury, cadmium, arsenic, lead and chromium are emitted in trace quantities from coal/lignite based thermal power plants. However, the major emissions from these plants are of Particulate Matter (PM), Sulphur Dioxide (SO₂) and Oxides of Nitrogen (NO_x), for which emission standards have been notified. Emission standards have also been notified for mercury.

In Thoothukudi district of Tamil Nadu, there are 4 thermal power plants comprising of 11 units. Details of effluent disposal at these plants are as below:

Sl. No.	Thermal Power Plants	Capacity, MW	Sector	Effluent disposal
1.	Tuticorin Thermal Power Plant, Tangedco	1050 (5*210)	Govt. (State)	Sea Water Based

2.	NLC Tamil Nadu Power Ltd. (JV of Tangedco and NCL India Ltd.)	1000 (2*500)	Govt. (Centre)	Sea Water Based
3.	Coastal Energen Pvt. Ltd., Mutiara	1200 (2*600)	Private	Sea Water Based
4.	IndBarath Thermal Power Ltd.	300 (2*150)	Private	ZLD unit. Air-cooled condensers. (Not in operation since April 2016).

ANNEXURE

Annexure referred in reply to the Lok Sabha Unstarred Question No. 2710 due for answer on 06.03.2020 regarding 'Emission from Coal based Power Plants'

List of Thermal Power Plants which were issued show cause directions by CPCB on 31.01.2020

Sl. No.	Thermal Power Plant	Unit No. (Capacity in MW)	FGD Timeline as per CPCB directions dated 11.12.2017
1.	VizagHinduja TPP, HNPCL, Visakhapatnam, Andhra Pradesh	2 (520)	30.09.2019
2.	Sri DamodaramSanjeevaiah TPP, APPDCL, SPSR Nellore, Andhra Pradesh	2 (800)	31.12.2019
3.	Aravalli Power Corporation Limited (Indira Gandhi STPP), NTPC, Jhajjar, Haryana	1 (500) 2 (500) 3 (500)	31.12.2019
4.	Panipat Thermal Power Station, HPGCL, Panipat, Haryana	6 (210) 7 (250) 8 (250)	31.12.2019
5.	DeenBandhuChhotu Ram TPS, HPGCL, Yamunanagar, Haryana	1 (300) 2 (300)	31.12.2019
6.	Rajiv Gandhi TPP, HPGCL, Hisar, Haryana	1 (600) 2 (600)	31.12.2019
7.	Rajpura Thermal Power Plant, Nabha Power Ltd, Patiala, Punjab	1 (700) 2 (700)	31.12.2019
8.	Talwandi Sabo Power Ltd, Mansa, Punjab	1 (660) 2 (660) 3 (660)	31.12.2019
9.	Guru Hargobind Singh TPS, PSPCL, LehraMohabbat, Bhatinda, Punjab	1 (210) 2 (210) 3 (250) 4 (250)	31.12.2019
10.	Singareni Thermal Power Project, SCCL, Adilabad, Telangana	1 (600) 2 (600)	31.12.2019 30.09.2019
11.	Kothagudem (New) Thermal Power Station, TSGENCO, Khammam, Telangana	11 (500)	30.09.2019
12.	North Chennai Thermal Power Station-II, TANGEDCO, Chennai, Tamilnadu	1 (600)	31.12.2019
13.	National Capital Thermal Power Station, NTPC Dadri, Gautambudhnagar, U.P	3 (210) 4 (210) 5 (490) 6 (490)	31.12.2019
14.	Harduaganj Thermal Power Station, UPRVUNL, Aligarh, U.P.	8 (250) 9 (250)	31.12.2019