

**GOVERNMENT OF INDIA  
MINISTRY OF POWER**

**LOK SABHA  
UNSTARRED QUESTION NO.3694  
TO BE ANSWERED ON 03.01.2019**

**POLLUTION BY POWER PLANTS**

**3694. KUNWAR HARIBANSH SINGH:  
SHRI SUDHEER GUPTA:  
SHRI S.R. VIJAYAKUMAR:  
SHRI ASHOK SHANKARRAO CHAVAN:**

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

- (a) the details of coal-based power projects running at present near major Metro Cities and in the NCR region, which badly pollute air of these Metro Cities;**
- (b) the number of coal-based power projects converted from the coal based to Hydro or other pollution free power generating contents so far;**
- (c) the time by which all coal based power projects will be closed to provide healthy air to citizens of Delhi and other metro cities; and**
- (d) the steps taken/being taken by his Ministry for strict compliance of norms with regard to emission of sulphur dioxide and other gases emitting from coal-based power plants?**

**A N S W E R**

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

**( SHRI R. K. SINGH )**

- (a) : The details of coal based power projects running at present in and around major Metro Cities and NCR region are annexed.**
- (b) : No coal based power project has been converted from the coal based to hydro or any other type of power generating plant.**

(c) & (d) : There are two coal based thermal power plants located in Delhi. They are Badarpur TPS (3x95 + 2x210 MW) of NTPC and Rajghat TPS (2 x 67.5 MW) of IPGCL. Badarpur TPS has been closed in October 2018 and Rajghat TPS which is not in operation has submitted the closure report to Govt. of NCT of Delhi. Ennore TPS (2x60 MW + 2x110 MW) located near Chennai have been closed in the year 2017. Presently there is no plan to close down the power plants as Annexed.

Ministry of Environment, Forest and Climate Change (MoEF&CC) notified following new environmental norms for Thermal Power Plants on 7<sup>th</sup> December, 2015:

<b>Emission parameter</b>	<b>TPPs (units) installed before 31<sup>st</sup> December, 2003</b>	<b>TPPs (units) installed after 31<sup>st</sup> December 2003 and upto 31<sup>st</sup> December 2016</b>	<b>TPPs (units) to be installed from 1<sup>st</sup> January 2017</b>
<b>Particulate Matter</b>	<b>100 mg/Nm<sup>3</sup></b>	<b>50 mg/Nm<sup>3</sup></b>	<b>30 mg/Nm<sup>3</sup></b>
<b>Sulphur Dioxide (SO<sub>2</sub>)</b>	<b>600 mg/Nm<sup>3</sup> for units less than 500MW capacity</b> <b>200 mg/Nm<sup>3</sup> for units 500MW and above capacity</b>	<b>600 mg/Nm<sup>3</sup> for units less than 500MW capacity</b> <b>200 mg/Nm<sup>3</sup> for units 500MW and above capacity</b>	<b>100 mg/Nm<sup>3</sup></b>
<b>Oxides of Nitrogen (NO<sub>x</sub>)</b>	<b>600 mg/Nm<sup>3</sup></b>	<b>300 mg/Nm<sup>3</sup></b>	<b>100 mg/Nm<sup>3</sup></b>
<b>Mercury</b>	<b>0.03 mg/Nm<sup>3</sup> (for unit size 500 MW and above)</b>	<b>0.03 mg/Nm<sup>3</sup></b>	<b>0.03 mg/Nm<sup>3</sup></b>

To ensure uninterrupted power supply position in the country, a phased implementation plan (to be implemented before 2022) for installation of Flue Gas De-Sulphurization (FGD) in plants for a capacity of 1,61,402 MW (414 Units) and upgradation of Electrostatic Precipitator in plants for a capacity of 64,525 MW (222 units) was prepared by Central Electricity Authority (CEA) in consultation with the stakeholders and this plan was submitted to MoEF&CC on 13.10.2017. The Central Pollution Control Board (CPCB) has issued directions to Thermal Power Plants including those mentioned in the annexure, to ensure compliance as per the plan prepared by CEA.



## ANNEXURE

**ANNEXURE REFERRED TO IN REPLY TO PARTS (c) & (d) OF UNSTARRED QUESTION NO. 3694 TO BE ANSWERED IN THE LOK SABHA ON 03.01.2019.**

\*\*\*\*\*

### **List of Coal Based Thermal Power Plants in NCR Region:**

<b>Sl. No.</b>	<b>Name of Thermal Power Station</b>
<b>1</b>	<b>Dadri (NCTPP), (4x210 MW + 2x490 MW)</b>
<b>2</b>	<b>IGSTPP, Jhajjar, (3x500 MW)</b>
<b>3</b>	<b>MGSTPP, CLP Jhajjar,(2x660 MW)</b>
<b>4</b>	<b>Panipat, Haryana, Unit Nos. 6, 7 &amp; 8 (1x210 MW + 2x250 MW)</b>

### **List of Coal Based Thermal Power Plants near Chennai:**

<b>Sl. No.</b>	<b>Name of Thermal Power Station</b>
<b>1</b>	<b>North Chennai TPS, (3x210 MW) North Chennai TPS Ext., (2x600 MW)</b>
<b>2</b>	<b>Vallur TPS, (3x500 MW)</b>

### **List of Coal Based Thermal Power Plants near Kolkata:**

<b>S. N.</b>	<b>Name of Thermal Power Station</b>
<b>1</b>	<b>Budge- Budge TPS, (3x250 MW)</b>

### **List of Coal Based Thermal Power Plants in Mumbai:**

<b>Sl. No.</b>	<b>Name of Thermal Power Station</b>
<b>1</b>	<b>Trombay TPS, (1x250 MW + 1x500 MW)</b>

\*\*\*\*\*

