

GOVERNMENT OF INDIA  
MINISTRY OF POWER

**RAJYA SABHA**  
**UNSTARRED QUESTION NO.3678**  
TO BE ANSWERED ON 27.03.2018

**UPGRADATION OF COAL OPERATED POWER STATIONS IN NCR**

†3678. SHRI MOTILAL VORA:

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

- (a) the numbers of coal operated power stations of National Thermal Power Corporation (NTPC) operated in National Capital Region;
- (b) the quantum of power generated by each power station every day and pollution emitted therefrom;
- (c) whether the Ministry of Environment, Forest and Climate Change has asked the above coal operated power stations to upgrade themselves to meet the standards prescribed by the Ministry; and
- (d) if so, by when the above power stations would be upgraded as per standards prescribed by the Ministry of Environment, Forest and Climate Change?

**A N S W E R**

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

( SHRI R.K. SINGH )

**(a) & (b) :** Two plants of NTPC and one plant of NTPC Joint Venture are located in the National Capital Region (NCR). The details of daily average generation of power by each of the power station and the emissions therefrom for year 2017-18 (upto Feb. 2018) are furnished at **Annex**.

**(c) & (d) :** Ministry of Environment, Forest and Climate Change (MoEF&CC) has notified new environmental norms for Thermal Power Plants on 7<sup>th</sup> Dec 2015. Subsequently, Central Pollution Control Board (CPCB) has issued directions to these plants to upgrade themselves / install systems to meet the new environmental norms as per the timelines given below:

<b>Plants</b>	<b>PM Emission</b>	<b>SOx Emission</b>	<b>NOx Emission</b>
	<b>Upgradation of Electrostatic Precipitator</b>	<b>Installation of FGD</b>	<b>Installation of low NOx burners, providing Over Fire Air (OFA) system</b>
Dadri Thermal Power Station NCTPS	Immediate	31.12.2019 in U-1 to 6	By 2019
Indira Gandhi TPP, Aravalli Power Corporation	U-1,2,3-by 31.12.2019	By 31.12.2019 in U-1,2,3	By 2019
Badarpur Thermal Power Station	To be retired in June 2018		

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## ANNEX

**ANNEX REFERRED TO IN REPLY TO PARTS (a) & (b) OF UNSTARRED QUESTION NO. 3678 TO BE ANSWERED IN THE RAJYA SABHA ON 27.03.2018.**

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**Actual (range) emissions and average daily generation of NTPC plants in National Capital Region (NCR) for Financial Year 2017-18 (upto Feb. 2018)**

Station	Capacity in MW	SPM (mg/Nm <sup>3</sup> )	SOx (mg/Nm <sup>3</sup> )	NOx (mg/Nm <sup>3</sup> )	Average Daily Generation for 2017-18 (till Feb.'18) (MUs)
Dadri (for 210 MW Units)	1820	100	500-800	350-455	27.30
Dadri (for 490 MW Units)		50	500-800	320-460	
Badarpur (for 210 MW Units)	705	50	600-800	250-350	4.66
Jhajjar (for 500 MW Units)	1500	40	800-1200	252-537	21.15

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