

**GOVERNMENT OF INDIA
MINISTRY OF POWER**

**LOK SABHA
UNSTARRED QUESTION NO.705
TO BE ANSWERED ON 17.09.2020**

SHUTTING DOWN OF COAL FIRED PLANTS

705. SHRI SUNIL DATTATRAY TATKARE:

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

- (a) the details of all old problematic coal fired plants in the country, State-wise;**
- (b) whether shutting them down could ease the fixed cost burden on DISCOMs and provide space for new plants and renewable energy and if so, the details thereof;**
- (c) whether closing of coal plants older than 20years would save crores of rupees and further expenditure could be avoided by not going ahead with coal plants that are in the early stages of construction and if so, the details thereof; and**
- (d) the steps taken by the Government to save public exchequer money and move towards sustainable, clean and efficient source of energy?**

A N S W E R

THE MINISTER OF STATE (INDEPENDENT CHARGE) FOR POWER, NEW & RENEWABLE ENERGY AND THE MINISTER OF STATE FOR SKILL DEVELOPMENT & ENTREPRENEURSHIP

(SHRI R.K. SINGH)

(a) : The list of thermal power plants older than 20 years which have not submitted plan to adhere to the prescribed emission control norms is *enclosed*. These plants would be shutdown or retired as per Phasing out plan and time lines given by the Central Pollution Control Board (CPCB) and Ministry of Environment, Forest and Climate Change (MoEF&CC). The performance of Thermal Power Plants (TPPs) depend on its operation & maintenance, condition of equipment, technology of plant, technical parameters, station heat rate, quality of fuel etc. rather than the age of the plant.

(b): No, Sir, in the old thermal power plants fixed cost is negligible due to depreciation

(c) : No, Sir.

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(d) : In view of reply to (c) above, not applicable. However, in order to move towards sustainable, clean and efficient source of energy, Government has taken the following steps:

- i. Government has set an ambitious target of 175 GW Renewable energy (100 GW of Solar, 60 GW of Wind, 10 GW of biomass and 5 GW of small hydel) target by 2022.**
- ii. India has submitted its Intended Nationally Determined Contribution (INDC) to the United Nations Framework Convention on Climate Change. In its INDC, India has pledged to improve the emissions intensity of its GDP by 33 to 35 per cent by 2030 below 2005 levels. It has also pledged to increase the share of non-fossil fuels-based electricity to 40 per cent by 2030.**
- iii. The main focus of coal based generation has been the efficiency improvement with use of higher steam parameters and this has led to reduced fuel consumption and reduced Green House Gas (GHG) emissions.**
- iv. Adoption of Supercritical Plants in Thermal Power Plants to enhance the efficiency of coal fired power generation, decrease coal consumption and lesser CO₂ emissions.**
- v. New Emission norms for coal based Thermal Power Plants (TPP) have been notified by MoEF&CC on 7th December, 2015 and directions have been issued by CPCB under section 5 of Environment (Protection) Act, 1986 to all TPP to comply with the new emission standards.**

ANNEXURE REFERRED TO IN REPLY TO PART (a) OF UNSTARRED QUESTION NO. 705 TO BE ANSWERED IN THE LOK SABHA ON 17.09.2020.

List of thermal power units - not submitted plan to comply with emission control norms

Sr. No	Region	State	Sector	Organisation	Name of Project	Fuel Used	Unit No	Capacity (MW)	Date of Commissioning	Age
1	NR	Rajasthan	State Sector	RRVUNL	KOTA TPS	Coal	1	110.00	1/17/1983	37.56
2	NR	Rajasthan	State Sector	RRVUNL	KOTA TPS	Coal	2	110.00	7/13/1983	37.08
3	NR	Rajasthan	State Sector	RRVUNL	KOTA TPS	Coal	3	210.00	9/25/1988	31.87
4	NR	Rajasthan	State Sector	RRVUNL	KOTA TPS	Coal	4	210.00	5/1/1989	31.27
5	NR	Uttar Pradesh	State Sector	UPRVUNL	HARDUAGANJ TPS	Coal	7	105.00	3/31/1978	42.36
6	NR	Uttar Pradesh	State Sector	UPRVUNL	OBRA TPS	Coal	7	94.00	12/14/1974	45.66
7	NR	Uttar Pradesh	State Sector	UPRVUNL	PARICHHA TPS	Coal	1	110.00	3/31/1984	36.36
8	NR	Uttar Pradesh	State Sector	UPRVUNL	PARICHHA TPS	Coal	2	110.00	2/25/1985	35.45
9	WR	Chhattisgarh	State Sector	CSPGCL	KORBA-III	Coal	1	120.00	3/22/1976	44.39
10	WR	Chhattisgarh	State Sector	CSPGCL	KORBA-III	Coal	2	120.00	4/5/1981	39.35
11	WR	Chhattisgarh	State Sector	CSPGCL	KORBA-WEST TPS	Coal	1	210.00	3/30/1984	36.36
12	WR	Chhattisgarh	State Sector	CSPGCL	KORBA-WEST TPS	Coal	2	210.00	6/21/1983	37.14
13	WR	Chhattisgarh	State Sector	CSPGCL	KORBA-WEST TPS	Coal	3	210.00	3/26/1985	35.37
14	WR	Chhattisgarh	State Sector	CSPGCL	KORBA-WEST TPS	Coal	4	210.00	3/13/1986	34.41
15	SR	Andhra Pradesh	State Sector	APGENCO	Dr. N.TATA RAO TPS	Coal	1	210.00	11/1/1979	40.78
16	SR	Andhra Pradesh	State Sector	APGENCO	Dr. N.TATA RAO TPS	Coal	2	210.00	10/10/1980	39.83
17	SR	Andhra Pradesh	State Sector	APGENCO	Dr. N.TATA RAO TPS	Coal	3	210.00	10/5/1989	30.84
18	SR	Andhra Pradesh	State Sector	APGENCO	Dr. N.TATA RAO TPS	Coal	4	210.00	8/23/1990	29.96
19	SR	Andhra Pradesh	State Sector	APGENCO	Dr. N.TATA RAO TPS	Coal	5	210.00	3/31/1994	26.35
20	SR	Andhra Pradesh	State Sector	APGENCO	Dr. N.TATA RAO TPS	Coal	6	210.00	2/24/1995	25.45
21	SR	Tamil Nadu	State Sector	TANGEDCO	Thoothukudi TPS	Coal	1	210.00	7/9/1979	41.09
22	SR	Tamil Nadu	State Sector	TANGEDCO	Thoothukudi TPS	Coal	2	210.00	12/17/1980	39.65
23	SR	Tamil Nadu	State Sector	TANGEDCO	Thoothukudi TPS	Coal	3	210.00	4/16/1982	38.32

24	ER	Jharkhand	Central Sector	DVC	BOKARO `B` TPS	Coal	3	210.00	8/1/1993	27.02	
25	ER	West Bengal	Central Sector	DVC	DURGAPUR TPS	Coal	4	210.00	9/1/1982	37.94	
26	ER	West Bengal	State Sector	WBPDC	BANDEL TPS	Coal	1	60.00	9/1/1965	54.95	
27	ER	West Bengal	State Sector	WBPDC	BANDEL TPS	Coal	2	60.00	10/1/1965	54.87	
28	ER	West Bengal	State Sector	WBPDC	BANDEL TPS	Coal	5	210.00	10/8/1982	37.84	
29	ER	West Bengal	Private Sector	CESC	TITAGARH TPS	Coal	1	60.00	3/17/1985	35.40	
30	ER	West Bengal	Private Sector	CESC	TITAGARH TPS	Coal	2	60.00	12/12/1982	37.66	
31	ER	West Bengal	Private Sector	CESC	TITAGARH TPS	Coal	3	60.00	4/26/1983	37.29	
32	ER	West Bengal	Private Sector	CESC	TITAGARH TPS	Coal	4	60.00	1/16/1984	36.56	
Total							32	5019.00			
