

GOVERNMENT OF INDIA
MINISTRY OF NEW AND RENEWABLE ENERGY
RAJYA SABHA
UNSTARRED QUESTION NO. 780
ANSWERED ON 13.12.2022

CURRENT STATUS OF WASTE-TO-ENERGY PLANT

780. SHRI JAYANT CHAUDHARY

Will the Minister of NEW AND RENEWABLE ENERGY be pleased to state:

- (a) the list of the total number of waste-to-energy plants in the country as on November 2022 including the details of the number of plants that are shut down, State-wise;
- (b) the reasons for the failure of plants and the estimated loss to Government because of shutting down plants;
- (c) the waste to the energy potential and the average cost per unit generation of power from the plant; and
- (d) the details of the number of plants against which there are pending court cases for noncompliance of pollution norms?

ANSWER

THE MINISTER OF NEW & RENEWABLE ENERGY AND POWER

(SHRI R.K. SINGH)

(a) & (b) As on 30.11.2022, 12 number of waste-to-energy plants based on established technologies with electricity generation capacity of 164.14 MW from municipal solid waste (MSW) are running in the country. As per data available with Ministry of New and Renewable Energy (MNRE), 08 waste-to-energy plants based on MSW initiated during early stage of adoption of waste-to-energy technologies stopped functioning primarily due to irregular supply of requisite quality & quantity of feedstock, improper operation & maintenance on regular basis, non-viability of tariff and chosen technology not suited for Indian environment conditions. MNRE's Waste to Energy Programme prevailing at the time of implementation of the projects provided for a CFA of Rs 2-3 crore per MW. The State-wise details of waste-to-energy plants with installed capacity and number of plants set up, as on 30.11.2022 are given in **Annexure**.

(c) A study was undertaken by GEF-UNIDO in consultation with MNRE to assess the potential of energy generation from Industrial and urban organic waste in India. As per the study report, the total estimated electricity generation potential through combustion of municipal solid waste in India is approx. 1250 MW.

Tariff of power from projects based on municipal solid waste which are recently commissioned/under installation is observed in the range of Rs 6.2 to 7.07 per unit.

(d) As per information made available to MNRE, court cases for noncompliance of pollution norms currently is pending for 01 waste to energy project based on MSW. Details are given as below:

Sl. No	Waste to Energy Plant	Court	Case Details
1	Timarpur-Okhla Waste Management Company Limited	Supreme Court of India	13120/2017

Annexure in reply to part (a) of the Rajya Sabha unstarred Question No. 780 to be answered on 13.12.2022 regarding “CURRENT STATUS OF WASTE-TO-ENERGY PLANT”

Waste to Energy Projects based on municipal solid waste under operational and non-operations conditions in the Country, as on 30-11-2022

	State/UT	Waste to Energy plants under operation	Non-operational Waste to Energy plants
		<i>Nos of plants</i>	<i>Nos of plants</i>
1.	Andhra Pradesh	2	1
2.	Delhi	4	-
3.	Goa	1	-
4.	Gujarat	1	-
5.	Haryana	1	-
6.	Madhya Pradesh	1	-
7.	Maharashtra	1	2
8.	Telangana	1	3
9.	Karnataka	-	1
10.	Uttar Pradesh	-	1
	Total	12	8