

GOVERNMENT OF INDIA
MINISTRY OF NEW AND RENEWABLE ENERGY
RAJYA SABHA
UNSTARRED QUESTION NO. 2216
ANSWERED ON 22.03.2022

ELECTRICITY GENERATION FROM URBAN WASTE

2216. SHRI SUJEET KUMAR

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

- (a) State-wise details of the volume of urban waste generated and the volume of urban waste that goes into generation of electricity in the country;
- (b) whether Government has acted upon the recommendations in the 20th Report (2015-16) of Standing Committee on Energy that data on rural waste generated be collected, if not, the reasons therefor;
- (c) whether there are any pilot projects ongoing for generating electricity out of urban waste, if so, the details thereof, and if not, the status of five projects that were being carried out earlier; and
- (d) recommendations of the 20th Report that have been put into action?

ANSWER

THE MINISTER OF NEW & RENEWABLE ENERGY AND POWER

(SHRI R.K. SINGH)

(a) As per details provided by Ministry of Housing and Urban Affairs, total 1,45,573 Tons/day of solid waste is being generated in the Country. State-wise volume of Municipal Solid Waste (MSW) being generated in the country is at **Annexure-I**.

As on 28.02.2022, 11 plants with a total cumulative installed capacity of 132.1 MW for power generation from Municipal Solid Waste (MSW) have been set up in the country. These plants have capacity of processing approximately 11,000 Tons of MSW/day to generate electricity.

(b) The Ministry of New and Renewable Energy conducted a study through Administrative Staff College of India (ASCI) for assessment of biomass power and bagasse cogeneration potential. As per the study report finalized in March 2021, 228 Million Metric Ton (MMT) of surplus biomass and 82 MMT of bagasse is generated annually in India.

(c) As on 28.02.2022, 11 Waste to Energy plants of total capacity of 132.1 MW have been installed for power generation from Municipal Solid Waste (MSW) in the country. The details of these plants are at **Annexure-II**.

(d) All recommendations of 20th Report on Standing Committee on Energy have been accepted by the Government.

Annexure in reply to part (a) of the Rajya Sabha unstarred Question No. 2216 to be answered on 22.03.2022 regarding “Electricity Generation from Urban Waste”

State wise generation of solid waste in the Country

Sl no	State/ UT	Total waste generation (Tonnes per day)
1	Andhra Pradesh	6257
2	Andaman and Nicobar	53
3	Arunachal Pradesh	201
4	Assam	1274
5	Bihar	5045
6	Chandigarh	508
7	Chhattisgarh	1657
8	Dadra Nagar Haveli & Daman Diu UT	114
9	Delhi	11143
10	Goa	128
11	Gujarat	9515
12	Haryana	5383
13	Himachal Pradesh	245
14	Jammu and Kashmir	412
15	Jharkhand	2042
16	Karnataka	6158
17	Kerala	2229
18	Ladakh UT	3
19	Madhya Pradesh	6966
20	Maharashtra	22771
21	Manipur	31
22	Meghalaya	7

23	Mizoram	289
24	Nagaland	128
25	Odisha	2550
26	Puducherry	277
27	Punjab	3724
28	Rajasthan	6300
29	Sikkim	72
30	Tamil Nadu	14152
31	Telangana	10415
32	Tripura	316
33	Uttar Pradesh	15751
34	Uttarakhand	1582
35	West Bengal	7876
	Total/Average	1,45,573

Annexure in reply to part (c) of the Rajya Sabha unstarred Question No. 2216 to be answered on 22.03.2022 regarding “Electricity Generation from Urban Waste”

Waste to Energy Projects for power generation from Municipal Solid Waste (MSW) installed in the Country, as on 28-02-2022

Sno.	State	Project Developer	Location of Plant	Installed capacity (MW)
1.	Delhi	M/s Timarpur Okhla Waste Management Company Ltd. (TOWMCL)	Old NDMC Compost Plant, Okhla, New Delhi	16.00
2.	Delhi	M/s East Delhi Waste processing, Barakhamba, New Delhi	Ghazipur, New Delhi	12.00
3.	Delhi	M/s Delhi MSW Solutions ltd. (Ramky Group)	Narela , Delhi	24.00
4.	Madhya Pradesh	M/s EsselInfra projects Ltd.	Jabalpur, Madhya Pradesh	11.50
5.	Maharashtra	M/s Solapur Bio-energy Systems Pvt. Ltd.,	Kachra Depo, Tuljapur Road, Solapur, Maharashtra	3.00
6.	Goa	M/s Hindustan Waste Treatment Pvt. Ltd.	Saligao, Bardez, Goa	0.34
7.	Telangana	M/s Ramky group (Hyderabad MSW Energy Solutions Pvt Ltd)	Jawaharnagar, Hyderabad, Telangana	19.8
8.	Haryana	JBM Group	Sonipat in Haryana	8
9.	Andhra Pradesh	M/s Jindal Urban Waste management (Guntur) Limited	Kondaveeduvillage, Guntur, Andhra Pradesh	15
10.	Gujarat	M/s Goodwatts WTE Jamnagar Private limited	Vill: Navagam(Ghed) Tal & Dist. Jamnagar	7.5
11.	Andhra Pradesh	M/s Jindal Urban Waste management (Vizag) Limited	Vizag, Andhra Pradesh	15
			Total	132.1