

GOVERNMENT OF INDIA
MINISTRY OF NEW AND RENEWABLE ENERGY
LOK SABHA
UNSTARRED QUESTION NO. 4052
TO BE ANSWERED ON 10.08.2017

GENERATION OF ELECTRICITY FROM WASTE

4052. SHRI B. SRIRAMULU
SHRIMATI ANJU BALA

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

- (a) whether the Government has surveyed the quantity of waste generated annually in metropolitan cities and the quantum of which treated to generate energy ;
- (b) if so, the details thereof;
- (c) whether the Government is planning to extend this facility to any new municipal solid waste disposal site or landfill site; and
- (d) if so, the details thereof?

ANSWER

THE MINISTER OF STATE FOR POWER, COAL, NEW & RENEWABLE ENERGY AND MINES (INDEPENDENT CHARGE) (SHRI PIYUSH GOYAL)

(a) to (d): The Metropolitan cities viz. Mumbai, Delhi, Kolkata, Chennai, Bengaluru, Hyderabad, Ahmadabad, Pune & Surat in India, have a population of 89.6 million that generate 9.8 million tons of waste per year. The daily waste generated in these cities is about 26,800 tons. About 40% of the waste generated per day is combustible and can be converted into energy. The Ministry of New and Renewable Energy (MNRE) is providing Central Financial Assistance for setting up of Waste to Energy projects based on Urban, Industrial and Agricultural Wastes / Residues including Municipal Solid Waste (MSW). In addition, the Ministry of Housing and Urban Affairs is implementing “Swachh Bharat Mission” (SBM) which also provides a viability gap funding of 35% for setting up / refurbishment waste to energy plants. Presently, five projects of 66.4 MW are operational and generating power from Municipal Solid Waste (MSW) and running successfully in Solapur, Maharashtra; Jabalpur, Madhya Pradesh; and New Delhi, which are able to process about 4516 Tons MSW per day. The details of these operational plants with installed capacity and quantity of MSW utilized / processed are given at **Annexure-I**. Under “Swachh Bharat Mission” (SBM), 48 MSW based plants with cumulative installed capacity of 412.5 MW are under construction. Details of these projects are given at **Annexure-II**.

**Annexure-I referred to in reply to parts (a) to (d) of the Lok Sabha Unstarred Question
No. 4052 for 10/08/2017 regarding "Generation of Electricity from Wastes"**

**"State/UT-wise details of Municipal Solid Waste (MSW) based operational plants
with installed capacity and quantity of MSW utilized / processed"**

S. No.	Plant Commissioned/Under trial	Installed Capacity (MW)	Average quantity of MSW utilized / processed (Tons/day)
1.	M/s Ramky Group at Narela-Bawana, New Delhi	24.0	756
2.	M/s Jindal Urban Infrastructure Pvt Ltd. at Okhla, New Delhi	16.0	1,818
3.	M/s IL&FS Environment Infrastructure and Services Ltd. at Ghazipur, New Delhi	12.0	502
4.	M/s Essel Infra at Jabalpur, Madhya Pradesh	11.4	1140
5.	M/s Solapur Bio-energy Systems Pvt. Ltd at Solapur, Maharashtra	3.0	300
	Total	66.4	4516

Annexure-II

**Annexure-II referred to in reply to parts (a) to (d) of the Lok Sabha Unstarred Question
No. 4052 for 10/08/2017 regarding "Generation of Electricity from Wastes"**

**"State/UT-wise details of Municipal Solid Waste (MSW) plants under construction
supported under "Swachh Bharat Mission (SBM)"**

S.No.	State	City	Total (MW)
1	Andhra Pradesh	Guntur	15
2	Andhra Pradesh	Tirupati	6
3	Andhra Pradesh	Vizinagaram	4
4	Andhra Pradesh	Tadapalligudam	5
5	Andhra Pradesh	Machalipatnam	4
6	Andhra Pradesh	Kadappa	5
7	Andhra Pradesh	Anantapur	4
8	Andhra Pradesh	Nellore	4
9	Andhra Pradesh	Karnul	1
10	Andhra Pradesh	Vishakapatnam	5
11	Bihar	Patna	10
12	Chhattisgarh	Durg-Bhilai	5
13	Chhattisgarh	Raipur	5
14	Goa	Pernem	5
15	Gujarat	Surat	13.5
16	Haryana	Karnal	3.5
17	Haryana	Sonepat	5
18	Haryana	Bandhmadi	10
19	Haryana	Faridabad	10
20	Himachal Pradesh	Shimla	1.7
21	J&K	Srinagar	6.5
22	Jharkhand	Ranchi	11
23	Jharkhand	Dhanbad	12
24	Karnataka	Bengaluru (7 plants)	20
25	Kerala	Kochi	10
26	MP	Bhopal	20
27	MP	Rewa	6
28	MP	Indore	20
29	MP	Gwalior	10
30	Maharashtra	Nagpur	11.5
31	Manipur	Imphal	2
32	New Delhi	Kidwai Nagar	1.6
33	Odisha	Bhubaneswar & Cuttack, Odisha	11.5
34	Punjab	Amritsar	11.5
35	Rajasthan	Jaipur	15
36	Rajasthan	Kota	7
37	Rajasthan	Jodhpur	3
38	Tamil Nadu	Pallavapuram&TambaramVenkatamangalam Project	4
39	Telangana	Cluster of 18 ULBs (M/ S Shalivahana MSWM Green Energy Ltd)	12
40	Telangana	Cluster of 16 ULBs (M/s Hemasri Power Projects Ltd.)	12.6
41	Telangana	Greater Hyderabad Municipal Corporation (RDF Power Projects Ltd.)	11
42	Telangana	Greater Hyderabad Municipal Corporation (SELCO)	6.6
43	UP	Kanpur	15
44	UP	Agra	10
45	UP	Rampur	8
46	UP	Meerut	10
47	Uttarakhand	Roorkee (Cluster of 18 ULBs)	11
48	Punjab	Amritsar Cluster (include Amritsar, Jandiala, Patti, Tarantaran, Raja Sansi, Majitha, Rayya, Khemkaran)	12
		Total	412.50

