

GOVERNMENT OF INDIA
MINISTRY OF NEW AND RENEWABLE ENERGY
RAJYA SABHA
UNSTARRED QUESTION NO. 2862
TO BE ANSWERED ON 20.03.2018
POWER GENERATION LANDFILLS WASTES

2862. SHRI RAJKUMAR DHOOT

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

- (a) whether Government proposes to set up plants for generation power from waste in the National Capital and Mumbai where landfills are overflowing with waste;
- (b) if so, the details thereof;
- (c) whether such plants are proposed to be encouraged in other parts of the country also;
- (d) if so, the details thereof and if not, the reasons therefor;
- (e) whether private sector will also be involved in this regard; and
- (f) if so, the details thereof?

ANSWER

THE MINISTER OF STATE FOR NEW & RENEWABLE ENERGY AND POWER (I/C)
(SHRI R. K. SINGH)

(a) to (f): The Ministry of New and Renewable Energy (MNRE) provides Central Financial Assistance (CFA) for setting up of waste to energy plants utilizing Agricultural Waste, Urban Waste, Industrial Waste and Municipal Solid Waste (MSW) to generate energy in all States / UTs including National Capital Region and Mumbai. In addition, under the Swachh Bharat Mission, the Ministry of Housing and Urban Affairs also provides central assistance for Solid Waste Management as per the guidelines. So far, 180 waste to energy plants have been installed involving private sector based on Municipal Solid Waste (MSW), Urban, Industrial and Agricultural Waste / Residues for generation of power and biogas to meet thermal and electrical energy needs and for production of BioCNG for transportation as well as cooking fuel etc. The State / UT wise details of operational Waste to Energy plants set up including Municipal Solid Waste (MSW) plants are given in the Annexure-I. In addition, under the Swachh Bharat Mission (SBM) 56 MSW based plants with cumulative installed capacity of 415 MW have been supported by the Ministry of Housing and Urban Affairs. The details of these projects are given in Annexure-II.

Annexure-I referred to in reply to part (a) to (f) of the Rajya Sabha Unstarred Question No. 2862 for 20/03/2018 regarding "Power generation landfill wastes"

State-wise details of waste-to-energy plants set up
with installed capacity and number of plants

Sl. No.	Name of State / Union Territories	MSW based Power Plants	Agricultural, Urban & Industrial Effluent/Waste based Waste to Energy plants			
			Grid Power	Off-grid Power	Biogas	BioCNG
		<i>MW (No. of plants)</i>	<i>MW (No. of plants)</i>	<i>MW (No. of plants)</i>	<i>m³/day (No. of plants)</i>	<i>Kg/day (No. of plants)</i>
1	Andhra Pradesh	-	23.16 (4)	17.66 (11)	74,640 (6)	-
2	Bihar	-	-	-	12,000 (1)	-
3	Chhattisgarh	-	-	0.33 (1)	-	-
4	Delhi	52.00 (3)	-	-	-	-
5	Gujarat	-	-	11.28 (10)	24,840 (4)	12,538 (2)
6	Haryana	-	-	4.0 (2)	-	2,050 (2)
7	Himachal Pradesh	-	-	-	12,000 (1)	-
8	Karnataka	-	1.00 (1)	4.8 (3)	58,080 (3)	-
9	Kerala	-	-	-	2,760 (1)	-
10	Madhya Pradesh	11.4 (1)	3.9 (2)	-	5,640 (3)	1,200 (1)
11	Maharashtra	3.00 (1)	9.59 (3)	14.63 (10)	73,080 (8)	19,533 (3)
12	Punjab	-	9.25 (2)	4.17 (3)	33,720 (5)	1,847 (1)
13	Rajasthan	-	-	3.0 (1)	-	4,000 (2)
14	Tamil Nadu	-	6.4 (3)	4.05 (3)	1,42,920 (27)	-
15	Telangana	-	18.5 (3)	1.0 (1)	30,000 (4)	-
16	Uttar Pradesh	-	-	44.63 (22)	57,200 (5)	2,000 (1)
17	Uttarakhand	-	-	1.89 (2)	67,200 (5)	5,460 (1)
18	West Bengal	-	-	-	14,040 (2)	-
	Total (180)	66.4 (5)	71.8 (18)	111.44 (69)	6,08,120 (75)	48,628 (13)

Annexure-II

Annexure-II referred to in reply to part (a) to (f) of the Rajya Sabha Unstarred Question No. 2862 for 20/03/2018 regarding "Power generation landfill wastes"

Details of Waste to Energy Plants Supported under Swachh Bharat Mission (SBM)

S. No.	State	City	Total (MW)	Status
1	Andhra Pradesh	Guntur	15	Tender Finalized
2	Andhra Pradesh	Tirupati	6	Under Construction
3	Andhra Pradesh	Vizinagaram	4	Under Construction
4	Andhra Pradesh	Tadapalligudam	5	Under Construction
5	Andhra Pradesh	Machalipatnam	4	Under Construction
6	Andhra Pradesh	Peddapuram	0	Under Construction
7	Andhra Pradesh	Mandapeta	0	Under Construction
8	Andhra Pradesh	Eleshwaram	0	Under Construction
9	Andhra Pradesh	Samalkot	0	Under Construction
10	Andhra Pradesh	Narasaraopet	2	Under Construction
11	Andhra Pradesh	Kadappa	5	Under Construction
12	Andhra Pradesh	Anantapur	4	Tender Finalized
13	Andhra Pradesh	Nellore	4	Tender Finalized
14	Andhra Pradesh	Karnul	1	Under Construction
15	Andhra Pradesh	Vishakapatnam	5	Under Construction
16	Bihar	Patna	10	Agreement signed
17	Chhattisgarh	Durg-Bhilai	5	Under DPR stage
18	Chhattisgarh	Raipur	5	RPF under process
19	Goa	Pernem	5	Under Construction
20	Gujarat	Surat	13.5	Under Construction
21	Haryana	Karnal	3.5	Under Construction
22	Haryana	Sonepat	5	Under Construction
23	Haryana	Bandhmadi	10	Under Construction
24	Haryana	Faridabad	10	Under Construction
25	Himachal Pradesh	Shimla	1.7	Under Construction
26	Himachal Pradesh	Dharamshala	0	Under Construction
27	J&K	Srinagar	6.5	Under Construction
28	Jharkhand	Ranchi	11	Tender Finalized
29	Jharkhand	Dhanbad	12	Under Construction
30	Karnataka	Bengaluru (7 plants)	20	Under Construction
31	Kerala	Kochi	10	Under Construction
32	MP	Bhopal	20	Under Construction
33	MP	Rewa	6	Under Construction
34	MP	Indore	20	Under Construction
35	MP	Gwalior	10	Under Construction
36	Maharashtra	Nagpur	11.5	Under Construction
37	Maharashtra	Kalyan-Dombivli	0	Temporarily Non Operational
38	Manipur	Imphal	2	Under Construction
39	New Delhi	Kidwai Nagar	1.6	Under Construction
40	Odisha	Bhubaneswar & Cuttack, Odisha	11.5	Tender Finalized
41	Punjab	Patiala	11.5	Under Construction

S. No.	State	City	Total (MW)	Status
42	Punjab	Amritsar Cluster	12	Tender Finalized
43	Rajasthan	Jaipur	15	Awaiting Environmental Clearances/ Permission
44	Rajasthan	Kota	7	Awaiting Environmental Clearances/ Permission
45	Rajasthan	Jodhpur	3	Awaiting Environmental Clearances/ Permission
46	Tamil Nadu	Pallavapuram & Tambaram Venkatamangalam Project	4	Under Construction
47	Tamil Nadu	Rameswaram	0	Under Construction
48	Telangana	Cluster of 18 ULBs (M/ S Shalivahana MSWM Green Energy Ltd)	12	Under Construction
49	Telangana	Cluster of 16 ULBs (M/s Hemasri Power Projects Ltd.)	12.6	Under Construction
50	Telangana	Greater Hyderabad Municipal Corporation (RDF Power Projects Ltd.)	11	Under Construction
51	Telangana	Greater Hyderabad Municipal Corporation (SELCO)	6.6	Under Construction
52	Uttarakhand	Roorkee (Cluster of 18 ULBs)	11	Under Construction
53	Uttar Pradesh	Kanpur	15	Under Construction
54	Uttar Pradesh	Agra	10	Tender Finalized
55	Uttar Pradesh	Rampur	8	Tender Finalized
56	Uttar Pradesh	Meerut	10	Tender Finalized
Total			415	

**All Plants indicating 0 MW as Capacity are either under Procurement Stage or the respective State/ City is yet to share the updated information.*