

65.75 MW Power Generated in the country from the Municipal Solid Waste (MSW): Shri R.K. Singh

Under Swachh Bharat Mission, 48 MSW based plants with cumulative installed capacity of 412.5 MW under various stages construction

About 8.2 GW Biomass Power Projects already set up in the country

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Minister of State (IC) for Power and New & Renewable Energy, Shri Raj Kumar Singh, in a written reply to a question on total power generated in the country from the Municipal Solid Waste (MSW), in Lok Sabha today informed that the present installed capacity of power generation from the MSW is 65.75 MW which is about 0.02% of total power generation capacity in the country. The state-wise details of six Municipal Solid Waste to Energy plants set up, as on 15.12.2017, are given below:

S. No.	State / UTs	Plant Commissioned/Under trial	Installed Capacity (MW)
1.	Delhi	M/s Ramky Group at Narela-Bawana, New Delhi	24.0
2.	Delhi	M/s Jindal Urban Infrastructure Pvt Ltd. at Okhla, New Delhi	16.0
3.	Delhi	M/s IL&FS Environment Infrastructure and Services Ltd. at Ghazipur, New Delhi	12.0
4.	Madhya Pradesh	M/s Essel Infra at Jabalpur	9.0
5.	Maharashtra	M/s Solapur Bio-energy Systems Pvt. Ltd at Solapur	3.0
6	Himachal Pradesh	M/s Elephant Energy Private Limited at Shimla	1.75

Further, Shri Singh informed that under Swachh Bharat Mission (SBM) of the Ministry of Housing and Urban Affairs, 48 MSW based plants with cumulative installed capacity of 412.5 MW are under various stages construction. Details of these projects are given below:

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 Enenrgy Ltd)	12
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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

The Swachh Bharat Mission under the Ministry of Housing and Urban Affairs provides incentive up to 35% of project costs for Solid Waste Management projects including waste to energy plants. The projects under PPP mode are encouraged, to invite private capital in urban infrastructure as well as to bring in private sector efficiency in delivery of urban services and operation and maintenance.

The Minister also stated that the Ministry has set a target of installing 10 GW power capacity from biomass by 2022. So far about 8.2 GW biomass power projects have already been set up in the country. State-wise details of Biomass Power / Cogeneration plants set up in the country as on 31.11.2017 are given below:

S. No.	States / UTs	Biomass Power / Cogeneration (Megawatt)
1	Andhra Pradesh	378.20
2	Bihar	113.00
3	Chhatisgarh	228.00
4	Gujarat	65.30
5	Haryana	96.40
6	Karnataka	1452.00
7	Madhya Pradesh	93.00
8	Maharashtra	2065.00
9	Odisha	50.40
10	Punjab	179.00
11	Rajasthan	119.30
12	Tamil Nadu	878.00
13	Telangana	158.10
14	Uttar Pradesh	1933.00
15	Uttarakhand	73.00
16	West Bengal	300.00

Total	8181.70
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RM/VM

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