

GOVERNMENT OF INDIA
MINISTRY OF NEW AND RENEWABLE ENERGY
LOK SABHA
UNSTARRED QUESTION NO. 2974
TO BE ANSWERED ON 04.01.2018
GENERATION OF SOLID WASTE

2974. SHRI PARBHUBHAI NAGARBHAI VASAVA:
SHRI GEORGE BAKER:

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

- (a): the details of the solid waste generated every year across the country, State/UT-wise;
- (b): the steps taken / being taken by the Government to reuse this solid waste;
- (c): whether the Government is planning to encourage waste-to-energy projects in all cities and towns across the country and if so, the details thereof;
- (d): whether the Government has received any suggestion from any State in this regard and if so, the details thereof; and
- (e): whether his Ministry has tied up with the Ministry of Power in this regard and if so, the details thereof and the time by which it is likely to be generated?

ANSWER

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

- (a): The State / UTs wise details of estimated generation of municipal solid waste is given in **Annexure**.
- (b): As per Solid Waste Management Rules 2016, it is the duty and responsibility of local authorities to "setup material recovery facilities or secondary storage facilities with sufficient space for sorting of recyclable materials to enable informal or authorized waste pickers and waste collectors to separate recyclables from the waste and provide easy access to waste pickers and recyclers for collection of segregated recyclable waste such as paper, plastic, metal, glass, textile from the source of generation or from material recovery facilities". In addition, under Swachh Bharat Mission-Urban, a guide titled "An Inclusive Swachh Bharat through the integration of the Informal Sector: A Step by Step Guide" has been published to help the Urban Local Bodies & States to integrate informal waste pickers to promote reuse/recycling of solid wastes. For the recycling and reuse of Construction & Demolition Waste, the Bureau of Indian Standards (BIS) has amended/revised the IS 383 - Specification for Coarse and Fine aggregates, enabling the use of recycled aggregates in construction activities.
- (c) to (e): 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 power. In addition, the Swachh Bharat Mission under the Ministry of Housing and Urban Affairs also provides central assistance of 35% of the total project cost to all statutory cities/ towns as per the guidelines for Solid Waste Processing including waste to energy projects. No specific suggestion has been received in this regard by the Ministry of Housing and Urban Affairs as well as MNRE on waste to energy plants from State Governments. At present, six waste-to-energy plants using Municipal Solid Waste (MSW) with cumulative installed capacity of 65.75 MW are in operation in the country.

Annexure

Annexure referred to in reply to part (a) of the Lok Sabha Unstarred Question No. 2974 for 04/01/2018 regarding "Generation of Solid Waste"

State-wise Solid Waste Generation in urban areas, as on November 2017

S. No.	State	Total waste generation (MT/D)	Total waste generation (in Lakh MT/Annum)
1	Andhra Pradesh	6,525	23.82
2	Andaman & Nicobar Islands	115	0.42
3	Arunachal Pradesh	181	0.66
4	Assam	1,134	4.14
5	Bihar	1,192	4.35
6	Chandigarh UT	340	1.24
7	Chhattisgarh	1,959	7.15
8	Daman & Diu	23	0.08
9	Dadra & Nagar Haveli	58	0.21
10	NCT of Delhi	10,500	38.33
11	Goa	240	0.88
12	Gujarat	10,145	37.03
13	Haryana	4,514	16.48
14	Himachal Pradesh	342	1.25
15	Jammu & Kashmir	1,792	6.54
16	Jharkhand	2,451	8.95
17	Karnataka	10,000	36.50
18	Kerala	1,576	5.75
19	Madhya Pradesh	6,424	23.45
20	Maharashtra	22,570	82.38
21	Manipur	176	0.64
22	Meghalaya	268	0.98
23	Mizoram	201	0.73
24	Nagaland	342	1.25
25	Odisha	2,460	8.98
26	Puducherry UT	495	1.81
27	Punjab	4,100	14.97
28	Rajasthan	6,500	23.73
29	Sikkim	89	0.32
30	Tamil Nadu	15,547	56.75
31	Telangana	7,371	26.90
32	Tripura	421	1.54
33	Uttar Pradesh	15,500	56.58
34	Uttarakhand	1,400	5.11
35	West Bengal	8,675	31.66
	Total/ Average	1,45,626	531.53