

GOVERNMENT OF INDIA
MINISTRY OF NEW AND RENEWABLE ENERGY
LOK SABHA
UNSTARRED QUESTION NO. 834

TO BE ANSWERED ON 21.11. 2019

POWER GENERATED FROM WASTE GARBAGE/MATERIAL

834. DR. NISHIKANT DUBEY

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

- (a) The quantum of power generated from waste garbage/material in the country along with the financial assistance provided by the Government to various States during the last three years and the current year, State/UT-wise;
- (b) whether the schemes/programmes being implemented in various States for developing renewable energy sources have been successful; and
- (c) if so, the details thereof?

ANSWER

THE MINISTER OF STATE (I/C) FOR NEW & RENEWABLE ENERGY, POWER and MoS for SKILL DEVELOPMENT AND ENTREPRENEURSHIP

(SHRI R. K. SINGH)

- (a) A total capacity of 56.34 MW has been set up for power generation from waste garbage/material during last three years and current year in the country. The State/UT-wise details is at **Annexure-I**.

The details of Central Financial Assistance (CFA) provided by the Government to the private developers in different States/UTs for installation of projects to generate power from waste garbage/material are given in **Annexure-II**.

- (b) & (c) The Ministry of New and Renewable Energy is implementing the scheme “**Programme on Energy from Urban, Industrial and Agricultural Wastes/ Residues**” for promoting of setting up of waste-to-energy plants to recover energy in the form of Biogas or BioCNG or Power from Urban, Industrial and Agricultural Waste / Residues for meeting certain niche energy demands of urban, industrial and commercial sectors in the country. The scheme provides Central Financial Assistance in the form of back-ended subsidy to developers for setting up of such projects.

So far 199 waste-to-energy projects for generation of Biogas/BioCNG/Power based on Urban, industrial, agricultural waste and Municipal Solid Waste have been successfully established in the country. The State/UT-wise details of installed waste-to-energy plants in the country, as on 31.10.2019, are given in **Annexure-III**.

Annexure-I

Annexure-I referred to in Reply to part (a) of the Lok Sabha Unstarred Question No. 834 for 21/11/2019 regarding “Power Generated from Waste Garbage/Material”

“Details of Power generation plants based on waste/garbage installed in last 3 years and current year, as on 31.10.2019”

Sr.No.	State	Installed capacity of Power generation plants (MW)
1	Delhi	36.00
2	Gujarat	1.067
3	Madhya Pradesh	11.50
4	Uttar Pradesh	2.77
5	Karnataka	2.0
6	Maharashtra	1.5
7	Punjab	1.5
		56.34 MW

Annexure-II

Annexure-II, referred to in Reply to part (a) of the Lok Sabha Unstarred Question No. 834 for 21/11/2019 regarding “Power Generated from Waste Garbage/Material”

“State-wise list of Central Financial Assistance provided by Government during last 3 years and current year for Power generation plants based on waste/garbage, as on 31.10.2019”

(Rs in Crore)

SI	Name of State/UT	Total
1	Andhra Pradesh	2.14
2	Delhi	130
3	Gujarat	1.61
4	Maharashtra	1.41
5	Uttar Pradesh	0.55
	Total	135.71

Annexure-III

Annexure-III, referred to in Reply to part (b) of the Lok Sabha Unstarred Question No. 834 for 21/11/2019 regarding “Power Generated from Waste Garbage/Material”

“State-wise details of installed capacity of waste-to-energy plants set up in the country, as on 31.10.2019”

S.No.	State/UT	Biogas (A)	BioCNG (B)	Power (C)	Total (A+B+C)
		<i>m³/day</i> (No. of plants)	<i>Kg/day</i> (No. of plants)	<i>MW</i> (No. of plants)	<i>MWeq</i> (No. of plants)
1	Andhra Pradesh	80,540 (6)	-	40.82(15)	47.53 (21)
2	Bihar	12,000 (1)	-	-	1.00 (1)
3	Chhattisgarh	-	-	0.33 (1)	0.33 (1)
4	Delhi	-	-	52.00 (3)	52.00 (3)
5	Gujarat	24,800(4)	28338 (5)	11.275 (10)	19.25 (19)
6	Haryana	-	4250 (3)	4.0 (2)	4.89 (5)
7	Himachal Pradesh	12,000 (1)	-	-	1.00 (1)
8	Karnataka	58,060 (3)	9521 (3)	7.8(5)	14.62 (11)
9	Kerala	2,760 (1)	-	-	0.23 (1)
10	Madhya Pradesh	27,014 (5)	1,200 (1)	15.4 (3)	17.90(9)
11	Maharashtra	1,09636 (10)	27,723 (4)	28.713 (15)	43.63 (29)
12	Punjab	34796 (5)	1,847 (1)	14.92(7)	18.20 (13)
13	Rajasthan	-	4,000 (2)	3.0 (1)	3.83 (3)
14	Tamil Nadu	1,50218 (28)	-	10.45(6)	22.97 (34)
15	Telangana	29100 (4)	-	19.5(4)	21.93 (8)
16	Uttar Pradesh	62,320 (6)	2,000 (1)	44.63 (22)	50.24 (29)
17	Uttarakhand	67,260 (5)	5,880 (2)	1.89 (2)	8.72 (9)
18	West Bengal	14,000(2)	-	-	1.17 (2)
	Total	6,84,504 (81)	84,759 (22)	254.73 (96)	329.43 (199)
	(In MWeq)	57.04 MWeq (81)	17.66 MWeq (22)		