

GOVERNMENT OF INDIA  
MINISTRY OF NEW AND RENEWABLE ENERGY  
**LOK SABHA**  
**UNSTARRED QUESTION NO. 5370**  
TO BE ANSWERED ON 25.07.2019

**WASTE TO ENERGY PLANTS**

5370. SHRI HEMANT TUKARAM GODSE  
SHRI UNMESH BHAIYYASAHEB PATIL  
SHRI D.K. SURESH  
Dr. SUJAY RADHAKRISHNA VIKHE PATIL  
SHRI RAJESHBHAI CHUDASAMA  
SHRI BHAGWANTH KHUBA

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

- (a) whether the Government has received any proposal or launched any scheme for setting up of waste-to-energy plants in the country and if so, the details thereof, State/UT-wise including Maharashtra;
- (b) the details of such projects likely to be set up across the country, State/UT-wise including Maharashtra ;
- (c) whether such waste-to-energy plants have already been set up or functioning in the country and if so, the number and details thereof, State/UT-wise;
- (d) whether these plants are working properly and if so, the details thereof; and
- (e) whether the aims and objectives of setting up of these plants have been achieved or the desired targets met and if so, the details thereof?

**ANSWER**

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

(a) to (c) The Ministry of New and Renewable Energy is implementing the scheme “**Programme on Energy from Urban, Industrial and Agricultural Wastes/ Residues**” for promotion 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 towards setting of such projects.

So far 186 waste-to-energy projects for generation Biogas/BioCNG/Power based on urban, industrial, agricultural waste and Municipal Solid Waste have been established in the country including the state of Maharashtra.

The State/UT-wise details of installed and likely to be set up waste-to-energy plants in the country, as on 30.06.2019, are given in **Annexure-I**.

(d) & (e) The main objective for setting up waste-to-energy plants is to utilize agricultural, industrial & urban including municipal solid waste to recover energy in the form of Power/Biogas/BioCNG. In order to recover energy from waste/effluent generated from industries distillery, paper and pulp, solvent extraction, rice mills, textiles, pharmaceutical industries etc and urban/rural areas, 186 projects with cumulative capacity of 317.03 MWeq have been set up so.

The technologies for the recovery of Biogas/Power from these wastes are well established and with sustained supply of requisite quality feedstock and proper operation & maintenance on regular basis, these plants run properly and efficiently.

\*\*\*\*\*

**Annexure-I**

**Annexure referred to in reply to parts (b) & (c) of the Lok Sabha Unstarred Question  
No. 5370 for 25/07/2019 regarding "Waste to Energy plants"**

**State/UT-wise number of waste-to-energy plants set up and likely to be set up in the  
country, as on 30.06.2019**

SI. No.	Name of State / Union Territories	MSW based Power Plants	Agricultural, Urban & Industrial Effluent/Waste based Waste to Energy plants				Total Installed	No. of Waste-to-Energy plants likely to be set up	
			Power (Grid)	Power (Grid)	Power (Off-grid)	Biogas (Off-grid)			BioCNG (Off-grid)
			MW (No. of plants)	MW (No. of plants)	MW (No. of plants)	m <sup>3</sup> /day (No. of plants)			Kg/day (No. of plants)
1	Andhra Pradesh	-	23.16 (4)	17.66 (11)	60,240 (5)	-	46.44 (20)	4	
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	-	-	11.275 (10)	24,840 (4)	21,138 (4)	17.45 (18)	2	
6	Haryana	-	-	4.0 (2)	-	2,050 (2)	4.46 (4)	1	
7	Himachal Pradesh	-	-	-	12,000 (1)	-	1.00 (1)	1	
8	Karnataka	-	1.00 (1)	4.8 (3)	58,080 (3)	1800 (1)	11.05 (8)	1	
9	Kerala	-	-	-	2,760 (1)	-	0.23 (1)	-	
10	Madhya Pradesh	11.5 (1)	3.9 (2)	-	25,566 (4)	1,200 (1)	17.78(8)	-	
11	Maharashtra	3.00 (1)	9.59 (3)	14.63 (10)	1,10,580 (10)	19,533 (3)	40.30 (27)	2	
12	Punjab	-	9.25 (2)	4.17 (3)	33,720 (5)	1,847 (1)	16.65 (11)	-	
13	Rajasthan	-	-	3.0 (1)	-	4,000 (2)	3.91 (3)	-	
14	Tamil Nadu	-	6.4 (3)	4.05 (3)	1,57,320 (28)	-	22.96 (34)	1	
15	Telangana	-	18.5 (3)	1.0 (1)	30,000 (4)	-	22.00 (8)	3	
16	Uttar Pradesh	-	-	44.625 (22)	57,200 (5)	2,000 (1)	49.81 (28)	3	
17	Uttarakhand	-	-	1.89 (2)	67,200 (5)	5,460 (1)	8.49 (8)	-	
18	West Bengal	-	-	-	14,040(2)	-	1.17 (2)	-	
	<b>Total</b>	<b>66.5 (5)</b>	<b>71.8 (18)</b>	<b>111.43 (69)*</b>	<b>6,65,606 (78)</b>	<b>59,028 (16)</b>			
			<b>249.73MW</b>		<b>55.46 MWeq</b>	<b>11.84 MWeq</b>	<b>317.03 (186)</b>	<b>18</b>	
		<b>GRID- 138.30 MW (23)</b>			<b>OFF-GRID -178.73 MWeq (163)</b>				