

GOVERNMENT OF INDIA  
MINISTRY OF NEW AND RENEWABLE ENERGY  
**LOK SABHA**  
**UNSTARRED QUESTION NO-712**  
ANSWERED ON-17/09/2020

**POWER GENERATED FROM WASTE GARBAGE**

712. SHRI SANJAY SADASHIVRAO MANDLIK  
SHRI BIDYUT BARAN MAHATO  
SHRI SUDHEER GUPTA  
SHRI SHRIRANG APPA BARNE

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 till date;
- (b) the financial assistance provided by the Government during each of the last three years and the current year, State/UT-wise; and
- (c) the further steps taken/being taken by the Government to promote initiatives like tying with solid waste management companies, municipal corporations and technology institutes to boost the Waste-to-Energy programme?

**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 **291.34 MW** has been installed for power generation from waste garbage/material in the country till date.
- (b) Central Financial Assistance (CFA) has been given by the Government to the developers for installation of projects to generate power from waste garbage/material. The year wise details of CFA provided have been placed at **Annexure-I**.
- (c) The Ministry of New & Renewable Energy is implementing a “**Programme on Energy from Urban, Industrial, Agricultural Wastes/Residues and Municipal Solid Waste**” in the country for recovery of energy in the form of Biogas or Bio-CNG or Power from Urban, Industrial and Agricultural Waste / Residues.

Financial assistance available under the programme is as follows:

- a. Biogas generation: Rs 1.0 crore per 12000cum/day;
- b. BioCNG generation (including setting of Biogas plant): Rs 4.0 Crore per 4800Kg/day;
- c. Power generation based on Biogas (including setting of Biogas plant): Rs 1.50 Crore to Rs 3.0 Crore per MW.
- d. Power generation based MSW: Rs 5.0 Crore per MW.
- e. Biomass Gasifier:
  - Rs. 2,500 per kWe with dual fuel engines for electrical application
  - Rs. 15,000 per kWe with 100% gas engines for electrical application
  - Rs. 2 lakh per 300 kWth for thermal application

**Annexure-I**

**ANNEXURE REFERRED TO IN REPLY TO PART (b) OF THE LOK SABHA UNSTARRED QUESTION NO. 712 FOR 17.09.2020 REGARDING “POWER GENERATED FROM WASTE GARBAGE”**

**“Details of Central Financial Assistance provided by Government for Power generation plants based on waste/garbage under “Programme on Energy from Urban, Industrial, Agricultural Wastes/Residues and Municipal Solid Waste”, as on 31.08.2020”**

(Rs in Crore)

SI	Name of State/UT	2017-18	2018-19	2019-20	2020-21 (Current year)	Total
1	Delhi	5.50	-	-	-	5.50
2	Gujarat	0.04	-	-	-	0.04
3	Uttar Pradesh	0.55	-	-	-	0.55
	<b>Total</b>	<b>6.09</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>6.09</b>