

GOVERNMENT OF INDIA
MINISTRY OF NEW AND RENEWABLE ENERGY
LOK SABHA
UNSTARRED QUESTION NO. 4330
TO BE ANSWERED ON 11.08.2016
POWER GENERATION THROUGH MUNICIPAL SOLID WASTE

4330. SHRI YOGI ADITYA NATH :

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

- (a) the details of annual power generation through municipal solid waste in the country;
- (b) the details of power being generated from non-conventional energy sources in the country; and
- (c) the estimated cost on the generation of power through the municipal solid waste and non-conventional energy sources separately?

ANSWER

MINISTER OF STATE FOR POWER, COAL , NEW & RENEWABLE ENERGY & MINES
(SHRI PIYUSH GOYAL)

(a): The power generation from two Municipal Solid Waste (MSW) to Energy Plants with a cumulative installed capacity of 19.0 MW is 147.46 Million Units during the year 2015-16. Details of these plants are given at **Annexure-I**.

(b): The electricity generated in the country from different non-conventional energy sources during the year 2015-16 is 65000.76 Million Units.

(c): The estimated cost of generation of power through the MSW and other non-conventional energy sources is given at **Annexure -II**.

Annexure - I

Annexure - I referred in reply to Part (a) of the Lok Sabha Unstarred Question No.4330 for answer on 11.08.2016

List of MSW to Energy Plants currently Operational in the country

S.N.	Project promoters	Location	Capacity (MW)	Technology	Date of Commissioning	Electricity Generated during 2015-16 (Million Units)
1.	M/s. Timarpur Okhla Waste Management Private Ltd. (TOWMCL), Jindal ITF Centre, 28 Shivaji Marg, New Delhi	Old NDMC Compost plant, New Okhla tank, Delhi	16	Combustion & Processing 1950 MT MSW per day	Commissioned in January 2012	147.13
2.	M/s Solapur Bio-Energy Systems Pvt. Ltd., CBD Belapur, Navi Mumbai	Solapur, Maharashtra	3	Biomethanation and processing 75 MW of sorted organic MSW per day	Commissioned in July 2013	0.33

Annexure - II

Annexure - II referred in reply to Part (c) of the Lok Sabha Unstarred Question No. 4330 for answer on 11.08.2016

Estimated Cost of Generation of Power from Municipal Solid Waste and other Non Conventional Energy Sources :

Source	Estimated Cost of Electricity Generation (Rs. / kWh)
Municipal Solid Waste	6.00-6.50
Small Hydro Power	3.00-3.75
Wind Power	4.00-5.50
Biomass Power/ Cogeneration	4.50-5.50
Solar Power	4.50-5.00

