

GOVERNMENT OF INDIA  
MINISTRY OF NEW AND RENEWABLE ENERGY  
**RAJYA SABHA**  
**UNSTARRED QUESTION NO. 3593**  
TO BE ANSWERED ON 03.04.2017

**RECYCLING THE DOMESTIC GARBAGE AND TOILET WASTE FOR ELECTRICITY**

3593. SHRI D. KUPENDRA REDDY:

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

- (a) whether electricity can be generated by recycling the domestic garbage and toilet waste in the country ;
- (b) if so, the details thereof and reaction of Government thereto;
- (c) whether electricity generated through the said recycling process is used for domestic purposes in several counties of the world and if so, the details thereof; and
- (d) whether Government proposes to implement the said scheme at the national level in the country and if so, the details thereof?

**ANSWER**

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

**(a)& (b):** Yes, Sir. The combustible fraction of Municipal Solid Waste (MSW) including domestic garbage and toilet waste can be used in several processes to generate electricity. Similarly, the biodegradable fraction of MSW can also be used through biomethanation to generate electricity.

**(c):** Electricity generated through recycling process of MSW including domestic garbage and toilet waste is now being used in many developed and developing countries.

**(d):** The Ministry of New and Renewable Energy (MNRE) is implementing the Programme on Energy from Urban, Industrial and Agricultural Wastes / Residues and providing central financial assistance during the 12th Plan period. The main objective of the programme is to promote setting up of projects for recovery of energy from urban, industrial and agricultural wastes. Under this programme, projects, which are based on waste-to-energy conversion technologies, namely, biomethanation, combustion, gasification, pyrolysis or a combination thereof, are being supported. In addition, the Swachh Bharat Mission (SBM) aims to achieve 100% collection, transportation, processing and disposal of MSW in the country. The Ministry of Urban Development is implementing "Swachh Bharat Mission" (SBM) since 2 October, 2014, which also includes setting up of waste to energy plants with Central support up to 35% of the project cost in the form of Viability Gap Funding (VGF) / grant, subject to the overall State-wise funds envelop for SBM.

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