

**GOVERNMENT OF INDIA
MINISTRY OF HOUSING AND URBAN AFFAIRS**

**RAJYA SABHA
UNSTARRED QUESTION NO. 2146
TO BE ANSWERED ON MARCH 20, 2023**

SOLID WASTE MANAGEMENT

NO. 2146. SHRI DEREK O'BRIEN:

Will the Minister of HOUSING AND URBAN AFFAIRS be pleased to state:

- (a) the quantum of municipal solid waste created by the 59 million plus cities in the country;
- (b) the quantum and percentage of this solid waste proposed to be dealt with by the waste-to-energy plants to be set up under the MoU with Engineers India Ltd;
- (c) the amount of energy proposed to be generated by the recent MoU to create waste-to-energy plants in these million-plus cities; and
- (d) the quantum of funds required for this project and who will fund the creation of the waste-to-energy plants in the million-plus cities?

ANSWER

**THE MINISTER OF STATE IN THE
MINISTRY OF HOUSING AND URBAN AFFAIRS
(SHRI KAUSHAL KISHORE)**

(a) & (b) : The existing waste generation in 59 million plus cities is approx. 75,000 Tonnes Per Day (TPD). In order to facilitate higher waste processing in these cities, an Memorandum of Understanding (MoU) has been signed by Ministry of Housing & Urban Affairs (MoHUA) with Engineers India Limited (EIL) to act as a Transaction Advisor for setting up of Waste-to-Electricity (WtE) plants and Bio-methanation plants at no-cost basis for the Urban Local Bodies (ULBs). It is targeted that approx 10,000 TPD of dry waste through Waste-to-Electricity (WtE) plants and 6,500 TPD of bio-degradable waste through Bio-methanation plants will be developed under this initiative.

(c) : Considering that 100 TPD of dry waste is required to generate 2 MW of power and 100 TPD of biodegradable waste to produce 3 MT of CBG, it is estimated that this initiative will result in energy generation of approx 200 MW of power and 195 tons of CBG per day.

(d) : The expected outlay for the project is approx. ₹5,000 Cr. These projects are proposed to be developed in Public Private Partnership (PPP) Mode with a Viability Gap Funding (VGF) of 25% by Swachh Bharat Mission-Urban (SBM-U) 2.0. In addition, as per the guidelines of Department of Economic Affairs, VGF upto 30% of the total project cost is allowed for taking up Solid Waste Management (SWM) projects.
