

GOVERNMENT OF INDIA
MINISTRY OF NEW AND RENEWABLE ENERGY
LOK SABHA
UNSTARRED QUESTION NO. 834
TO BE ANSWERED ON 28.04.2016

ENERGY GENERATION FROM WASTE

834. **SHRIMATI RAKSHATAI KHADSE:**

Will the Minister of New and Renewable Energy be pleased to state:

- (a) whether the Government proposes to set up energy generation from the waste collected from Swachh Bharat Abhiyan;
- (b) if so, the details thereof ?
- (c) whether the Government also proposes to purchase power generated by using waste from the respective States and also to encourage faster development of waste to energy plants; and
- (d) if so, the details thereof along with the quantum of power anticipated to be generated by using the waste ?

ANSWER

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

(a)&(b): Yes Madam, Ministry of Urban Development (MoUD) has launched “Swachh Bharat Mission” (SBM) on 2nd October, 2014 with the target to make the country clean by 2nd October, 2019. The Mission, among other measures, includes Solid Waste Management including establishment of waste to energy plants and provides Central Financial Assistance upto 20% of the project cost in the form of Viability Gap Funding (VGF) / Grant.

In addition to the above, the Ministry of New and Renewable Energy (MNRE) is implementing a Programme on Energy from Urban, Industrial and Agricultural Wastes / Residues. The Programme is for setting up of five pilot projects based on municipal solid wastes, besides projects based on urban, industrial and agricultural wastes and residues. The programme provides for Central Financial Assistance for projects to be set up by the municipal corporations, industry and entrepreneurs as per the details given at **Annexure**.

(c)&(d): In order to encourage faster development of waste to energy plants in the country, Ministry of Power (MoP), in compliance with Section (3) of the Electricity Act, 2003, has notified revised Tariff Policy on 28th January 2016 which mandates State Distribution Licensee to procure power from all the Waste-to-Energy plants in the State, depending upon the resources available, at the tariff determined by the Appropriate Commission on cost plus basis. The estimated potential to generate power from Municipal Solid Waste is about 500 MW which would be increased to 1075 MW by 2031, as the urbanisation grows .

Annexure

Annexure referred in reply to Parts (a) & (b) of the Lok Sabha Unstarred Question No.834 for answer on 28-04-2016

CENTRAL FINANCIAL ASSISTANCE UNDER THE PROGRAMME ON ENERGY FROM URBAN, INDUSTRIAL AND AGRICULTURAL WASTES/RESIDUES

Wastes/Processes/Technologies	Central Financial Assistance
1. Power generation from Municipal Solid Waste	Rs.2.00 crore/MW (Max. Rs.10.00 crore/Project)
2. Power generation from biogas at Sewage Treatment Plant or through biomethanation of Urban and Agricultural Waste/residues including cattle dung or production of bio-CNG	Rs.2.00 crore/MW or bio-CNG from 12000 m ³ biogas/day (Max. Rs.5.00 crore/project)
3. Biogas generation from Urban, Industrial and Agricultural Wastes/residues	Rs.0.50 crore/MW eq.(12000 m ³ biogas/day with maximum of Rs.5.00 crore/project)
4. Power Generation from Biogas (Engine/gas turbine route) and production of bio-CNG for filling into gas cylinders	Rs.1.00 crore/MW Or bio-CNG from 12000 m ³ biogas (Max. Rs.5.00 crore/project)
5. Power Generation from Biogas, solid Industrial, Agricultural Waste/residues excluding bagasse through Boiler + Steam turbine Configuration	Rs.0.20 crore/MW (Max. Rs.1.00 crore / project)

Other incentives and support measures

- i) Incentives to State Nodal Agencies: service charge @ Rs.1% of the subsidy restricted to Rs.5.00 lakh per project,
- ii) Financial Assistance for promotional activities: for organizing training courses, business meets, seminars/workshops and publicity/ awareness, subject to a maximum of Rs.3.00 lakh per activity.
- iii) In addition, concessional customs duty and excise duty exemption are also provided for initial setting up of grid connected projects for power generation and production of Bio-CNG from waste.
