GOVERNMENT OF INDIA
NEW AND RENEWABLE ENERGY
LOK SABHA

UNSTARRED QUESTION NO:4241
ANSWERED ON:22.03.2013
POWER FROM WASTE
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Will the Minister of NEW AND RENEWABLE ENERGY be pleased to state:

(a) the details of steps taken by the Government for generation of power from waste material/garbage in the country;

(b) whether the Government proposes to provide financial assistance to States/UTs, municipal corporations and other voluntary organizations for generation of power from waste material/garbage in the country;

(c) if so, the details thereof; State/UT-wise;

(d) whether any new and latest technology has been introduced for the purpose; and

(e) if so, the details thereof along with the cost viability of such new technology for generating every unit of energy in comparison to conventional methods?

Answer

THE MINISTER OF NEW AND RENEWABLE ENERGY (DR. FAROOQ ABDULLAH)

(a): The Ministry of New and Renewable Energy is implementing scheme on energy recovery from urban and industrial wastes, which, inter-alia, includes setting up of five pilot projects based on municipal solid waste / garbage.

(b): The scheme provides for central financial assistance @ Rs 2.00 crore per MW limited to Rs. 10.00 crore per project for five pilot projects based on garbage which are set up by State Nodal Agencies, Urban Local Bodies/ Municipal Corporations or entrepreneurs. In addition, customs and excise duty concessions are also provided for these projects.

(c): The State/UT-wise break up financial assistance provided under waste-to-energy programme is given in the Annexure.

(d)&(e): The projects being set up presently are based on biomethanation, combustion and gasification technologies followed by engines or turbines for power generation. The projects at Bangalore, Delhi and Hyderabad are employing combustion technology based on reciprocating grate boilers, whereas the project at Pune and Solapur are based on gasification and biomethanation technologies, respectively. These projects are being set up on Build, Own, Operate and Transfer basis. These are considered viable and will supply power to the State Transmission Companies at a tariff of Rs. 2.59 to 4.25 per kWh, which is comparable with the cost of conventional power.