

**GOVERNMENT OF INDIA
NEW AND RENEWABLE ENERGY
LOK SABHA**

UNSTARRED QUESTION NO:5192
ANSWERED ON:27.08.2010
POWER FROM BIO-WASTE
Chitthan Shri N.S.V.

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

- (a) whether the Government has formulated any action plan for generating power from the bio-waste in the country;
- (b) if so, the details thereof; and
- (c) the details of the financial assistance/ funds provided to the State Governments for the purpose?

Answer

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

(a)&(b): Ministry of New and Renewable Energy is implementing Programmes on energy recovery, including power generation, from urban and industrial wastes. The programmes provide for financial assistance for setting up of projects, carrying out research & development work and dissemination of information. Benefits of concessional customs and excise duties are also available for such projects.

(c): Details of financial assistance being provided for setting up of projects for energy recovery from waste are given in the Annexure.

Annexure

Annexure referred to in reply to part (c) of the Lok Sabha Unstarred Question No. 5192 for answer on 27.08.2010

Details of financial assistance being provided for setting up of projects for energy recovery from Urban and Industrial Wastes

The financial assistance being provided by the Ministry of New and Renewable Energy for setting up projects on energy recovery from a variety of urban and industrial waste is as under:

Setting up five pilot projects on energy recovery from Municipal Solid Wastes: Financial assistance at the rate of Rs. 2 crore per Mega Watt (MW), subject to ceiling of 20% of project cost and Rs. 10.00 crore per project, whichever is less for five pilot projects.

Power generation from biogas generated at Sewage Treatment Plants: Financial assistance @ 40% of the project cost subject to a maximum of Rs 2.0 crore/MW for projects for generation of power from biogas being produced at Sewage Treatment Plants.

Power generation from other Urban Wastes: Financial assistance @ 50% of project cost subject to upper limit of Rs. 3 crore per MW for setting up projects based on biomethanation technology for power generation from cattle dung, vegetable market waste, slaughterhouse wastes, night soil and any other urban waste generated in the urban areas. In case of the projects for generation of only biogas for thermal application, the financial assistance is limited to Rs. 1.0 crore / MWeq (i.e. biogas production of 12000 cu.m / day).

Power generation from mix of Urban and Agricultural Wastes: Financial assistance @ 30% of project cost subject to upper limit of Rs. 3.0 crore / MW for setting up projects based on biomethanation technology for power generation from a mix of cattle dung, vegetable market and slaughterhouse wastes along with agricultural residues and wastes.

Biomethanation of industrial wastes : Rs. 0.5 crore to 1.0 crore / MWeq. (12000 Cu.m. biogas per day)

Power Generation from Biogas

- Boiler + Steam Turbine Configuration : Rs. 0.20 crore/MW
- Biogas Engine / Turbine Configuration : Rs. 0.80 crore/MW

Power Generation from Solid Industrial Waste : Rs. 0.20 crore/MW