

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

UNSTARRED QUESTION NO:2546

ANSWERED ON:04.12.2009

POWER FROM WASTE

Das Shri Ram Sundar;Shanavas Shri M. I.;Singh Shri Radha Mohan

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

- (a) whether the Government proposes to introduce new technology to generate power from waste/ garbage in the country;
- (b) if so, the costs per unit of the power that can be generated through it;
- (c) whether the cost of generating electricity through waste/garbage is cheaper than the electricity being generated by other conventional sources of energy;
- (d) if so, whether the Government proposes to set up power plants in the country to generate power from the waste/garbage; and
- (e) if so, the details thereof, State-wise and the steps being taken/proposed to be taken by the Government to encourage power generation from waste/garbage?

**Answer**

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

(a): Ministry of New and Renewable Energy is promoting setting up of projects on Energy Recovery from Urban and Industrial Wastes including garbage. The technologies being presently used are biomethanation and combustion followed by biogas engines or steam turbines for power generation.

(b) & (c) : The cost of power generation from urban and industrial wastes is about Rs.2.50 to Rs.4.00 per unit of electricity depending upon the type of wastes and the technology deployed. These costs are competitive with cost of power generated from conventional sources.

(d) & (e) : Ministry of New and Renewable Energy is supporting setting up of Waste-to- Energy projects under the programmes on municipal solid waste, other urban wastes and industrial wastes. The programmes provide for central financial assistance for setting up of Waste-to-Energy projects and other promotional measures such as capacity building and awareness creation. However, non-availability of source-segregated garbage is the main constraint in development of projects on power generation from municipal solid wastes. A total of 36 projects with an aggregate capacity of 83.13 MW power from urban and industrial wastes have so far been set up in the country. State-wise break-up is given in the Annexure.

Annexure

Annexure referred to in reply to parts (d) & (e) of Lok Sabha Unstarred question No.2546 for answered on 4.12.2009.

**STATE-WISE BREAK-UP OF PROJECTS ON POWER GENERATION FROM URBAN AND INDUSTRIAL WASTES SET UP**

S.No.	State	No. of projects installed	Capacity of Projects(In MW)
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1.	Andhra Pradesh	12	38.4
2.	Gujarat	4	6.5
3.	Karnataka	1	1.0
4.	Madhya Pradesh	1	2.7
5.	Maharashtra	4	8.4
6.	Orissa	1	.03
7	Punjab	2	9.25
8.	Tamil Nadu	5	5.85
9.	Uttar Pradesh	6	11.0
Total	36		83.13