

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

UNSTARRED QUESTION NO:2119
ANSWERED ON:12.08.2011
BIOMASS PRODUCTION
Kumar Shri Kaushalendra

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

- (a) whether the Government has made any assessment of the present installed capacity of power projects based on biomass, bagasse and paddy husk by product;
- (b) if so, the details thereof alongwith the number of biomass based power generation projects installed in each State during the last three years and current year and the power generation capacity of each project, State-wise;
- (c) whether the Government had formulated any scheme under the Eleventh Five Year Plan to achieve the target fixed for power generation from biomass, bagasse and paddy husk;
- (d) if so, the percentage of targets achieved under the said scheme;
- (e) whether the target is likely to spill over to the Twelfth Five Year Plan; and
- (f) if so, the details thereof and the State-wise report in this regard?

Answer

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

(a): Yes, Madam. The present installed capacity for generation of power from biomass including paddy husk and bagasse based cogeneration in sugar mills is 1045 MW and 1742 MW respectively. As per the National Biomass Resource Atlas prepared by the Indian Institute of Science, Bangalore under a project sponsored by the Ministry of New & Renewable Energy, the estimated power generation capacity from biomass including paddy husk is about 17,536 MW. Besides, a surplus power generation capacity of about 5000 MW through bagasse based cogeneration in sugar mills has been estimated in the country.

(b): State-wise information on the number of such projects and total installed capacity for the last three years and current year is given at Annexure. The installed capacity of a biomass power project varies between 6 MW to 10 MW depending upon the availability of biomass, whereas the installed surplus capacity of a bagasse cogeneration project in a sugar mill varies from 6 MW to 25 MW depending upon their daily cane crushing capacity.

(c)&(d): Ministry of New & Renewable Energy has been implementing various schemes during the 11th Five Year Plan, to encourage setting up of projects for generation of power from various biomass residues including bagasse and paddy husk for power generation based on combustion/ cogeneration and gasification technologies. Against a target of 1700 MW, a capacity addition of 1645 MW has been achieved which is 96% of the planned target.

(e): No, Madam.

(f): Does not arise.

ANNEXURE

Annexure referred to in reply to part (b) of Lok Sabha Unstarred Question No.2119 for 12.08.2011 regarding Biomass Production.

State-wise No. of Biomass Power Projects and installed capacity during the last three years (2008-09, 2009-10, 2010-11 and current year (2011-12 as on 30.06.2011)

Sl.No. State No.of Projects Total Installed Capacity (in MW)

1	Andhra Pradesh	3	29.00
2	Bihar	1	9.50
2	Chattisgarh	10	93.60
3	Gujarat	1	10.00

4	Haryana	3	29.80
5	Karnataka	8	102.90
6	Maharashtra	30	353.00
7	Punjab	5	62.50
8	Rajasthan	5	60.00
9	Tamil Nadu	17	197.70
10	Uttar Pradesh	30	407.00
11	Uttarakhand	1	10.00
12	West Bengal	2	16.00

Total 116 1381.00