

GOVERNMENT OF INDIA
MINISTRY OF NEW AND RENEWABLE ENERGY
LOK SABHA
UNSTARRED QUESTION NO. 1395
TO BE ANSWERED ON 09.03.2017

BIOMASS RESOURCE ATLAS OF INDIA

1395. SHRI KODIKUNNIL SURESH:

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

- (a) whether a Biomass Resource Atlas of India has been compiled by The Government and if so, the details and possibilities of biomass power generation potential in Kerala.
- (b) the details of support schemes and programme designed to enhance biomass power generation in the country.
- (c) whether Agro-residue production from agricultural crops including paddy and coconut be used for energy generation and if so, the details thereof; and
- (d) whether the Government has decided to establish a support system for augmenting the bio energy generation programme in the country and if so, the details thereof ?

ANSWER

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

(a): Yes Madam, a National Biomass Resource Atlas has been prepared by Indian Institute of Science, Bangalore under a project sponsored by the Ministry of New & Renewable Energy. As per the atlas, the biomass power generation potential in Kerala is approximately 865 MW.

(b): The Ministry is implementing two schemes “Promotion of Grid Interactive Biomass Power and Bagasse Cogeneration in Sugar Mills” and “Programme on Energy from Urban, Industrial and Agricultural Wastes/Residues” during 12th Plan Period. The details of the schemes are placed at Annexure.

(c): Yes Madam, agro residues including from paddy and coconut can be used for generating energy/power through combustion method. In this method, biomass is directly burnt to heat water to steam, and then steam is passed through a steam turbine to generate electricity.

(d): In addition to the Central Financial Assistance under the above mentioned schemes, fiscal incentives like concessional import and excise duty for initial setting up of biomass projects based on certification by Ministry and income tax holiday up to 31st March 2017 are available.

Annexure referred to in part (b) of the Unstarred Question no. 1395

Annexure

1.	“Promotion of Grid Interactive Biomass Power and Bagasse Cogeneration in Sugar Mills” Central Financial Assistance (CFA)		
	Project Type	Special Category States	Other States
	a.) Biomass Power projects	Rs.25 lakh X (C MW) (Maximum Support of Rs 1.5 Crore per Project.)	Rs.20 lakh X (C MW) (Maximum Support of Rs 1.5 Crore per Project.)
	b.) Bagasse Co-generation by Private sugar mills*	Rs.18 lakh X (C MW) (Maximum Support of Rs 1.5 Crore per Project.)	Rs.15 lakh X (C MW) (Maximum Support of Rs 1.5 Crore per Project.)
	c.) Bagasse Co-generation projects by cooperative/ public sector sugar mills 40 bar & above 60 bar & above 80 bar & above	Rs.40 lakh Rs.50 lakh Rs.60 lakh Per MW of surplus power (maximum support Rs. 6.0 crore per project)	Rs.40 lakh Rs.50 lakh Rs.60 lakh Per MW of surplus power (maximum support Rs. 6.0 crore per project)
2.	“Programme on Energy from Urban, Industrial and Agricultural Wastes/Residues”		
	a.) Power Generation from Biogas, Solid Industrial, Agricultural Waste/residues excluding bagasse through Boiler + Steam Turbine Configuration	Rs. 0.20 crore/MW (Max. Rs. 1.20crore/project)	Rs. 0.20 crore/MW (Max. Rs. 1 crore/project)