

GOVERNMENT OF INDIA
MINISTRY OF NEW AND RENEWABLE ENERGY
LOK SABHA
UNSTARRED QUESTION NO-550
TO BE ANSWERED ON-13.12.2018
BIOMASS ENERGY GENERATION

550. SHRI JANARDAN SINGH SIGRIWAL

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

- (a) the present installed capacity of power projects based on biomass combustion and biogases co-generation;
- (b) whether the Government has prepared any action plan to achieve the target fixed for energy generation through biomass and biogases for the eleventh five year plan;
- (c) if so, the details thereof; and
- (d) the number of biomass energy generation projects set up by the Government in each state during the year 2015-16 and current financial year and the energy generation capacity of each project, State-wise?

ANSWER

THE MINISTER OF STATE FOR NEW & RENEWABLE ENERGY AND POWER (I/C)
(SHRI R.K. SINGH)

- (a) The present installed capacity of power projects based on biomass combustion is 1751 MW; bagasse co-generation is 7310 MW and biogas based power projects is 7.8 MW as on 30.11.2018.
- (b) & (c) The Ministry has implemented a scheme on Grid- Interactive Biomass Power and Bagasse Cogeneration projects during 11th Five Year Plan. Another scheme for biogas power (off grid) was also implemented during 11th five year plan period. Under these schemes Central financial assistance (CFA) was provided to various projects. The CFA pattern available under these schemes during 11th five year plan is placed at **Annexure-I**.
- (d) Government provides Central Financial Assistance (CFA) for setting up biomass power projects. The State wise details of biomass energy projects installed during 2015-16 and current year are given in **Annexure II**.

**Annexure-I referred to in reply to parts (b)&(c) of Lok Sabha Un-starred Question No. 550 for
13/12/2018 regarding 'BIOMASS ENERGY GENERATION'**

Annexure – I

CFA Pattern under the scheme for implementation of Grid – Interactive Biomass Power
and Bagasse Cogeneration Projects during 2010-11 and remaining period of 11th Five
Year Plan

A. CFA for Biomass Power Project and Bagasse Cogeneration Projects by Private/Joint/Coop./Public Sector Sugar Mills

	Special Category States	Other States
Project Type	Capital Subsidy	Capital Subsidy
Biomass Power	Rs 25 Lakh X (C MW) ^{0.646}	Rs 20 Lakh X (C MW) ^{0.646}
Bagasse Co-generation by Private sugar mills	Rs 18 Lakh X (C MW) ^{0.646}	Rs 15 Lakh X (C MW) ^{0.646}
Bagasse Co-generation projects by cooperative/ public sector sugar mills		
40 bar & above	Rs 40 Lakh	Rs 40 Lakh
60 bar & above	Rs 50 Lakh	Rs 50 Lakh
80 bar & above	Rs 60 Lakh Per MW of surplus power@ (maximum support Rs. 8.0 crore per project)	Rs 60 Lakh Per MW of surplus power@ (maximum support Rs. 8.0 crore per project)

B. CFA for Bagasse Cogeneration Project in cooperative/ public sector sugar mills implemented by IPPs/State Government Undertakings or State Government Joint Venture Company / Special Purpose Vehicle (Urja Ankur Trust) through BOOT / BOL T model

Project Type	Minimum Configuration	Capital Subsidy
Single coop. mill through BOOT / BOL T Model	60 bar & above	Rs.40 Lakhs / MW of surplus power
	80 bar & above	Rs 50 Lakhs / MW of surplus power (maximum support Rs.8.0 crore/ sugar mill)

C. CFA for Bagasse Cogeneration Project in existing cooperative sector sugar mills employing boiler modifications

Project Type	Minimum Configuration	Capital Subsidy
Existing coop. sugar mill	40 bar & above	Rs 20 Lakhs/ MW of surplus power
	60 bar & above	Rs.40 Lakhs / MW of surplus power
	80 bar & above	Rs 50 Lakhs / MW of surplus power (maximum support Rs.8.0

		crore/ sugar mill)
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D. Central Financial assistance (CFA) for Biogas Based Power Generation Systems (BPGP) during 11th five year plan period

Power generating capacity	CFA limited to the following ceiling or 40% of the cost of the system whichever is less.
3-20kW	Rs.40,000/- (per kW
>20kW up to 100kW	Rs.35,000/- per kW
>100kW up to 250 kW	Rs.30,000/- per kW

Annexure-II referred to in reply to part (d) of Lok Sabha Un-starred Question No. 550 for 13/12/2018 regarding 'BIOMASS ENERGY GENERATION'

Annexure-II

State wise installed biomass power generation projects during 2015-16 and current year

State	2015-16		2018-19 (up to 30.11.2018)	
	No.	Capacity(MW)	No.	Capacity(MW)
Bihar	1	11	0	0
Chhattisgarh	1	10	0	0
Karnataka	5	56	1	30
Madhya Pradesh	2	25	0	0
Maharashtra	8	134	19	329.7
Uttar Pradesh	2	60.85	0	0
West Bengal	1	8	0	0
Total	20	394.85	20	359.70