

GOVERNMENT OF INDIA
MINISTRY OF NEW AND RENEWABLE ENERGY
RAJYA SABHA
UNSTARRED QUESTION NO. 3501
ANSWERED ON 01.04.2025

FINANCIAL ASSISTANCE UNDER NATIONAL BIO ENERGY PROGRAMME

3501.SHRI ADITYA PRASAD

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

- (a) whether Government has notified any guidelines for the development of bio-energy projects in the country;
- (b) if so, the details thereof; and
- (c) the amount of financial assistance provided for the said purpose and whether Government has made separate provisions for providing financial assistance to various States including the State of Jharkhand in respect of bio-energy projects, if so, the details of the financial assistance, State-wise?

ANSWER

THE MINISTER OF STATE FOR NEW & RENEWABLE ENERGY AND POWER

(SHRI SHRIPAD YESSO NAIK)

(a)&(b) Yes. The Ministry of New and Renewable Energy has notified National Bioenergy Programme (NBP) along with guidelines on 02.11.2022, to support the installation of Bioenergy Projects in the country for the period 2021-22 to 2025-26. The NBP has a budget outlay of Rs. 858 Crore, under Phase-1 of the Programme. The National Bioenergy Programme has a provision to provide Central Financial Assistance (CFA) for setting up of Bioenergy projects in the country under the following components:

- (i) **Waste to Energy Programme:** Programme on Energy from Urban, Industrial and Agricultural Wastes /Residues
- (ii) **Biomass Programme:** Scheme to Support Manufacturing of Briquettes & Pellets and Promotion of Biomass (non-bagasse) based cogeneration in Industries)
- (iii) **Biogas Programme:** Programme to support setting up of small (1 m³ to 25 m³ biogas per day) and medium size Biogas plants (above 25 m³ to 2500 m³ biogas generation per day).

The component wise Central Financial Assistance being provided under the NBP is given in **Annexure-I**.

(c) The details of State wise financial assistance provided by MNRE for setting up of bioenergy projects under the National Bioenergy Programme is given in **Annexure-II**. For installing small biogas plants, annual targets are given to all states, including the State of Jharkhand.

Annexure-I

REFERRED TO IN REPLY TO THE RAJYA SABHA UNSTARRED QUESTION NO. 3501, Part (a), TO BE ANSWERED ON 01.04.2025 on 'Financial assistance under National Bio Energy Programme'.

The existing CFA Support for setting up of Bioenergy Projects

Waste to Energy Programme	CFA
Biogas generation	Rs 0.25 Crore per 12000cum/day
BioCNG generation	Rs 4.0 Crore per 4800 kg/day (for BioCNG generation from new biogas plant) Rs 3.0 Crore per 4800 kg/day (for BioCNG generation from existing Biogas plant)
Power generation based on Biogas	Rs 0.75 Crore/MW (for power generation from new biogas plant) Rs 0.5 Crore/MW (for power generation from existing Biogas plant)
Power based on bio & agro-industrial waste	Rs 0.4 Crore/MW
Biomass Gasifier	Rs. 2,500 per kWe with dual fuel engines for electrical application Rs. 15,000 per kWe with 100% gas engines for electrical application Rs. 2 lakh per 300 kWth for thermal applications

Biomass Programme	CFA
Briquette manufacturing plants	Rs. 9.00 Lakhs/ TPH (Maximum CFA- Rs. 45.00 Lakh per project).
Non-Torrefied Pellet manufacturing plant	Rs. 21 lakhs/MTPH production capacity or 30% of the capital cost considered for plant and machinery of 1 TPH plant, whichever is lower (Maximum Rs. 105 lakhs per project)
Torrefied Pellet manufacturing plant	Rs. 42 lakhs/MTPH production capacity or 30% of the capital cost considered for plant and machinery of 1 TPH plant, whichever is lower (Maximum Rs. 210 lakhs per project)
Non-Bagasse Cogeneration Projects	Rs. 40 Lakhs/ Megawatt Maximum CFA- Rs. 5.00 Crore per project).

Biogas Programme	CFA
For small biogas plants (1-25 cubic meter/day plant capacity):	Rs. 9,800/- to Rs. 70,400/- per plant based on size of the plant in cubic meter
For Power generation and thermal application (25 - 2500 cubic meter/day plant capacity):	Rs. 35,000/- to Rs. 45,000/- per kilowatt for power generation Rs. 17,500/- to Rs. 22,500/- per kilowatt equivalent for thermal applications. <i>Note: 20% higher than Standard CFA in for NER, Island, Registered Gaushalas and SC/ST beneficiaries);</i>

Annexure-II

REFERRED TO IN REPLY TO THE RAJYA SABHA UNSTARRED QUESTION NO. 3501, Part (c), TO BE ANSWERED ON 01.04.2025 on 'Financial assistance under National Bio Energy Programme'.

The details of State wise financial assistance provided by MNRE for setting up of bioenergy projects under the National Bioenergy Programme from year 2021-22 to 2024-25.

S No	Name of the State	Central Financial assistance (amount Rupees in Crore) provided by MNRE under the National Bioenergy Programme from year 2021-22 to 2024-25 (up to 27.03.2025)		
		Waste to Energy Programme	Biogas Programme	Biomass Programme
1.	Andhra Pradesh	53.93	0.88	0
2.	Arunachal Pradesh	0	0.70	0
3.	Assam	0	1.80	0
4.	Dadar & Nagar Haveli	0	0.11	0
5.	Delhi	0	0.51	0
6.	Bihar	0	0.16	0
7.	Chhattisgarh	0	6.94	0
8.	Goa	3.03	0.00	0
9.	Gujarat	4.44	11.67	0
10.	Haryana	11.02	0.00	2.04
11.	Karnataka	13.10	11.72	4.0
12.	Kerala	0	0.46	0
13.	Madhya Pradesh	11.04	13.53	0
14.	Maharashtra	10.77	42.90	1.82
15.	Manipur	0	0.22	0
16.	Meghalaya	0	0.37	0
17.	Nagaland	0	0.18	0
18.	Orissa	0	1.38	0
19.	Punjab	0	6.49	9.334
20.	Rajasthan	0	1.06	1.96
21.	Tamil Nadu	17.54	6.28	0
22.	Telangana	5.70	1.14	0
23.	Tripura	0	1.61	0
24.	Uttar Pradesh	32.45	2.42	0.51
25.	Uttarakhand	0.20	1.84	0
26.	West Bengal	0.07	0.01	2.142
	Total amount (Rupees in Crore)	163.29	114.37	21.806
