

GOVERNMENT OF INDIA  
MINISTRY OF NEW AND RENEWABLE ENERGY  
**LOK SABHA**  
**UNSTARRED QUESTION NO. 4302**  
ANSWERED ON 18.03.2026

**NATIONAL BIOENERGY PROGRAMME**

4302. SHRI DUSHYANT SINGH

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

- (a) the details of the National Bioenergy Programme including its components namely Waste to Energy, Biomass and Biogas Programmes along with the details of total outlay and progress achieved so far;
- (b) whether the Programme is proposed to continue beyond the financial year 2025-26 and if so, the details of roadmap envisaged thereof;
- (c) the details of Central financial assistance provided for biogas, BioCNG and biomass-based power projects, component-wise;
- (d) whether the Government has assessed the potential of livestock waste as major feedstock and whether any incentives or convergence mechanisms have been envisaged for the animal husbandry sector, dairy cooperatives and gaushalas to ensure sustained supply and if so, the details thereof;
- (e) the details of the number of biogas plants sanctioned, installed and operational in Rajasthan during the last three years?

**ANSWER**

**THE MINISTER OF STATE FOR NEW & RENEWABLE ENERGY AND POWER**

**(SHRI SHRIPAD YESSO NAIK)**

(a) Under the National Bioenergy Programme (NBP) Phase-I, Ministry of New and Renewable Energy supports installation of Bioenergy Projects in the country by providing Central Financial Assistance (CFA) for setting up of Waste-to-Energy projects, Biomass projects and Biogas projects under following scheme components:

- i. Waste to Energy Programme (Programme on Energy from Urban, Industrial and Agricultural Wastes /Residues)
- ii. Biomass Programme (Scheme to Support Promotion of Manufacturing of Briquettes & Pellets and Biomass (Non-Bagasse) based cogeneration in Industries in the Country)
- iii. Biogas Programme (Programme to support setting up of small (1 m<sup>3</sup> to 25 m<sup>3</sup> biogas per day) and medium size Biogas plants i.e., above 25 m<sup>3</sup> to 2500 m<sup>3</sup> biogas generation per day).

Under the NBP Phase-I, the total outlay was Rs.998.00 Crore. As on 28.02.2026, the details of bioenergy projects installed during NBP Phase-I is given at **Annexure-I**.

(b) NBP Phase-I is valid till 31.03.2026 and there is no proposal for continuation of NBP Phase-I, as on date.

(c) Under the NBP Phase-I, CFA is being provided for setting up of biogas, Bio-CNG and biomass-based power projects in the country. The details of CFA are given at **Annexure-II**.

(d) As per the 20<sup>th</sup> Livestock Census (2019) conducted by the Ministry of Fisheries, Animal Husbandry & Dairying, Government of India, the total livestock population in the country is 536.76 million. Out of this, the total bovine population (comprising cattle, buffalo, mithun and yak) is 303.76 million. This livestock waste has potential for biogas production.

Under the Biogas Programme and the Waste to Energy Programme, a 20% higher Central Financial Assistance (CFA) has been provisioned for registered Gaushalas to promote the installation of biogas projects.

Further, to promote the participation of dairy cooperatives in the establishment of biogas plants and to strengthen convergence with the dairy sector, the National Dairy Development Board (NDDB), Anand, and Amul Dairy have been designated as Programme Implementing Agencies under the Biogas Programme for facilitating implementation and promoting biogas projects through dairy cooperative networks.

(e) As reported by Program Implementation Agencies under Biogas Programme, a total of 567 numbers of biogas projects have been installed and made operational in the State of Rajasthan, during the last three years.

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**REFERRED TO IN REPLY TO THE LOK SABHA UNSTARRED QUESTION NO. 4302, Part (a) TO BE ANSWERED ON 18.03.2026 on 'National Bioenergy Programme'.**

**The details of bioenergy projects installed during NBP Phase-I is given as under:**

Biomass Projects (Non-Bagasse Cogeneration)	Biomass based Briquette/Pellet manufacturing Projects	Waste to Energy Projects	Small Biogas Plants	Medium Biogas Plants
Capacity (MW)	Capacity (TPH)	Capacity (MWe)	Nos.	KW
384.02	1014.29	381.87	34913	4029

**REFERRED TO IN REPLY TO THE LOK SABHA UNSTARRED QUESTION NO. 4302, Part (c) TO BE ANSWERED ON 18.03.2026 on 'National Bioenergy Programme'.**

**The existing CFA Support for setting up of Bioenergy Projects in the country under National Bioenergy Programme is given as under:**

<b>Waste to Energy Programme</b>	<b>CFA in Rs Crore</b>
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

<b>Biomass Programme</b>	<b>CFA</b>
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).
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<b>Biogas Programme</b>	<b>CFA</b>
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>