

GOVERNMENT OF INDIA  
MINISTRY OF NEW AND RENEWABLE ENERGY  
**LOK SABHA**  
**UNSTARRED QUESTION NO. 2809**  
ANSWERED ON 17.12.2025

**FINANCIAL ASSISTANCE FOR BIO-ENERGY PROGRAMME**

2809. SHRI BASAVARAJ BOMMAI

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

- (a) whether the Government is granting financial assistance under Bio-Energy Programme and if so, the details thereof;
- (b) whether the guidelines have been notified for the development of bio-energy projects in the country; and
- (c) if so, the details of steps taken by the Government for the development of bio-energy in the country during the last ten years; and
- (d) the details of new bio-energy projects installed during the last ten years in the country, State-wise particularly in the State of Karnataka and the steps proposed to promote the new projects?

**ANSWER**

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

**(SHRI SHRIPAD YESSO NAIK)**

(a) to (c) Ministry of New and Renewable Energy supports installation of Bioenergy Projects in the country under National Bioenergy Programme (NBP), Phase-I, which was notified on 02.11.2022, with a budget outlay of Rs. 998 Crore, for the period 2022-23 to 2025-26. The details of Central Financial Assistance (CFA) provided is given at **Annexure-I**.

During the last ten years, the Government has been supporting Bioenergy Projects through various Schemes, namely **National Biogas and Manure Management Programme (NBMMP)** during 12<sup>th</sup> Five Year Plan, **New National Biogas & Organic Manure Programme (NNBOMP)** from 2018-19 to 2020-21, **Scheme to support promotion of Grid interactive Biomass Power and Bagasse cogeneration in sugar mills** during 12<sup>th</sup> Plan Period, **Programme on Energy from Urban, Industrial and Agricultural Wastes /Residues** during 12<sup>th</sup> Plan period, **Scheme to support Promotion of Biomass based Cogeneration in Sugar Mills and other Industries** in the Country from 2018-19 to 2020-21.

(d) The details of bioenergy projects installed in the country during the last ten years, State-wise, including in the State of Karnataka is given at **Annexure-II**. Further, new bioenergy projects are being promoted under the NBP Phase-I.

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**Annexure-I**

**REFERRED TO IN REPLY TO THE LOK SABHA UNSTARRED QUESTION NO. 2809, Part (a) to (c) TO BE ANSWERED ON 17.12.2025 on 'Financial Assistance for Bio-Energy 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).

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 LOK SABHA UNSTARRED QUESTION NO. 2809, Part (d) TO BE ANSWERED ON 17.12.2025 on 'Financial Assistance for Bio-Energy Programme'.**

**The details of bioenergy projects installed in the country during the last ten years including in the State of Karnataka is given as under:**

		<b>Biomass Projects</b>	<b>Waste to Energy Projects</b>	<b>Biogas Plants</b>
<b>Sl No</b>	<b>State</b>	<b>Capacity (MW)</b>	<b>Capacity (MWe)</b>	<b>Nos</b>
1	Andhra Pradesh	35.1	35.95	28505
2	Arunachal Pradesh	0	0	349
3	Assam	2	0	23612
4	Bihar	39.8	0.32	236
5	Chhattisgarh	54	0	11030
6	Goa	0	1	140
7	Gujarat	12	15.2	5427
8	Haryana	87.4	17.39	3487
9	Himachal Pradesh	1.5	0	294
10	Jharkhand	14.8	1.04	545
11	<b>Karnataka</b>	<b>536.81</b>	<b>8.41</b>	<b>34657</b>
12	Kerala	1.55	0.23	9639
13	Madhya Pradesh	31.2	5.86	32120
14	Maharashtra	1073.5	24.26	71653
15	Manipur	0	0	25
16	Meghalaya	0	0	867
17	Mizoram	0	0	648
18	Nagaland	0	0	102
19	Odisha	0.6	0	5966
20	Punjab	140.29	21.77	19288
21	Rajasthan	19.85	1.19	2404
22	Sikkim	0	0	170
23	Tamil Nadu	112.55	8.68	1740
24	Telangana	4.03	9.79	11159
25	Tripura	0	0	546
26	Uttarakhand	12.5	6.89	8362
27	Uttar Pradesh	146.6	41.34	3594
28	West Bengal	31.6	4.06	851
29	Andaman and Nicobar Islands	0	0	0
30	Chandigarh	0	0	0
31	Dadra and Nagar Haveli and Daman & Diu	3.75	0	18
32	NCT of Delhi	0	24.17	0

33	Jammu & Kashmir	0	0	101
34	Ladakh	0	0	0
35	Lakshadweep	0	0	0
36	Puducherry	0	0	0
37	Others	0	0	10544
	<b>Total</b>	<b>2361.43</b>	<b>227.56</b>	<b>288079</b>