

India Adds 2,361 MW Biomass Capacity, 228 MWe Waste-to-Energy and 2.88 Lakh Biogas Plants in Last Ten Years

प्रविष्टि तिथि: 17 DEC 2025 12:45PM by PIB Delhi

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 12th 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 12th Plan Period, Programme on Energy from Urban, Industrial and Agricultural Wastes /Residues during 12th 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.

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

This information was submitted by Union Minister of State for New and Renewable Energy Shri Shripad Yesso Naik in a written reply in Lok Sabha today.

Annexure-I

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

Waste to Energy Programme	CFA in Rs Crore
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 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 is given as under:

		Biomass Projects	Waste to Energy Projects	Biogas Plants
SI No	State	Capacity (MW)	Capacity (MWe)	Nos
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	Karnataka	536.81	8.41	34657
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
	Total	2361.43	227.56	288079

(रिलीज़ आईडी: 2205039) आगंतुक पटल : 1229

इस विज्ञप्ति को इन भाषाओं में पढ़ें: Urdu , हिन्दी , Tamil , Kannada