

GOVERNMENT OF INDIA
MINISTRY OF NEW AND RENEWABLE ENERGY
LOK SABHA
UNSTARRED QUESTION NO. 1629
ANSWERED ON 30/07/2025

NATIONAL BIOENERGY PROGRAMME

1629. SHRI PRABHAKAR REDDY VEMIREDDY

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

- (a) the details of aims and objectives of National Bioenergy Programme (NBP) being implemented in the country;
- (b) the details of bioenergy projects being installed in the State of Andhra Pradesh, district-wise;
- (c) the details of components under which bio-energy projects have been set up in Andhra Pradesh under Phase-I;
- (d) the details of preparations that the Government is making for Phase-II since Phase-I is likely to be completed by this financial year; and
- (e) the details of financial and other assistance extended to Andhra Pradesh to install bio-energy projects since the launch of NBP?

ANSWER

THE MINISTER OF STATE FOR NEW & RENEWABLE ENERGY AND POWER
(SHRI SHRIPAD YESSO NAIK)

(a) To attain the ambitious renewable energy targets and to achieve self-reliance in the energy sector, the National Bioenergy Programme (NBP) is being implemented by the Ministry of New and Renewable Energy (MNRE) with the following objectives: -

- i. To support the setting up of waste to energy projects for generation of biogas, compressed biogas and power from urban, industrial, agricultural wastes and residues;
- ii. To support setting up of biomass briquette and pellet manufacturing plants and to support biomass (non-bagasse) based cogeneration projects; and
- iii. Setting up of small and medium size biogas plants for clean cooking fuel and meeting the stationary needs of thermal and small power applications.

(b) & (c) The district-wise details of bioenergy projects supported under the three sub-components of the NBP in the state of Andhra Pradesh are given in the **Annexure-I**.

(d) The Ministry as a pre-requisite for Phase-II preparation, have initiated carrying out the third-party evaluation of Phase-I of NBP.

(e) The Central Financial Assistance (CFA) pattern under NBP is given at **Annexure-II**.

Annexure-I

Annexure referred to in reply to part (b), and (c) of the Lok Sabha Unstarred Question No. 1629 to be answered on 30.07.2025 regarding “National Bioenergy Programme”.

The district-wise details of bioenergy projects supported in the State of Andhra Pradesh:-

(a) Under Waste to Energy Programme

District	Nos. of project sanctioned	Cumulative Installed Capacity
Chittoor	1	1680 Kg/day
Guntur	1	850 Kg/day
Kurnool	1	800 Kg/day
Vishakhapatnam	1	850 Kg/day

(b) Under Biomass Programme

District	Nos. of project sanctioned	Cumulative Installed Capacity
West Godavari	1	8 MW Non-Bagasse Cogeneration Power plant
East Godavari	1	3.87 MW Biomass (Non-Bagasse) cogeneration project

(c) Under Biogas Programme

District	Nos. of project sanctioned
Anamayya	1
Bapatla	7
Chittor	12
Guntur	9
Krishna	8
Palnadu	13
Prakasam	6

Annexure-II

Annexure referred to in reply to part (e) of the Lok Sabha Unstarred Question No. 1629 to be answered on 30.07.2025 regarding “National Bioenergy Programme”.

The CFA pattern for various sub-components under the NBP, may be seen below:

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>