

GOVERNMENT OF INDIA
MINISTRY OF NEW AND RENEWABLE ENERGY
RAJYA SABHA
UNSTARRED QUESTION NO. 296
ANSWERED ON 02.12.2025

BIOENERGY PROJECTS IN PUNJAB

296. SHRI SATNAM SINGH SANDHU

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

- (a) the details of biomass or bioenergy projects in Punjab;
- (b) the installed capacity created; and
- (c) the incentives offered to farmers for crop residue management?

ANSWER

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

(a) & (b) The details of biomass or bioenergy projects supported in the State of Punjab under various schemes of Government of India including National Bioenergy Programme of Ministry of New and Renewable Energy (MNRE) is given at **Annexure-I**.

(c) The various incentives which are given to beneficiaries for sustainable management of crop residue are given as under:

- i. MNRE supports installation of bioenergy plants under different components of National Bioenergy Programme (NBP) by providing Central Financial Assistance (CFA). This includes biomass-based (non-bagasse) cogeneration plants, briquettes/ pellets manufacturing plants and compressed biogas (CBG/BioCNG) Plants. The Central Financial Assistance (CFA) being provided under the NBP for the above purpose.
- ii. Ministry of Agriculture and Farmers' Welfare (MoAF&W) under the Crop Residue Management (CRM) Scheme provide incentives for management of crop residue. Under this scheme, financial assistance @ 50% is provided to the farmers for purchase of crop residue management machinery and @ 80% is provided to Rural Entrepreneurs (Rural youth and farmer as an entrepreneur), Cooperative Societies of Farmers (Agriculture/ Horticulture/Makhana etc.), Day-NRLM Cluster Level Federations and Self Help Groups (SHGs), Farmer Producer Organizations (FPOs) and Panchayats for establishment of Custom Hiring Centres of crop residue management machines. Financial support of 65% up to a maximum of Rs. 1.50 Crore is also provided to paddy supply chain projects on the capital cost of machinery and equipments.

- iii. Central Pollution Control Board (CPCB), provides one-time financial support under Environment Protection Charge Funds for establishment of pelletization and torrefaction plants to promote utilization of paddy straw.
- iv. Ministry of Petroleum and Natural Gas, under its Biomass Aggregation Machinery (BAM) Scheme, provides support to Compressed Bio Gas (CBG) producers for procurement of machinery such as balers, rakers, and trolleys for biomass collection and aggregation to facilitate efficient utilization of agri-residues and prevent open-field burning.

**REFERRED TO IN REPLY TO THE RAJYA SABHA UNSTARRED QUESTION NO. 296,
Part (a) & (b) TO BE ANSWERED ON 02.12.2025 on 'Bioenergy projects in Punjab'.**

1. Under National Bioenergy Programme of MNRE:

Sl No	Type of Projects	Number of Projects	Installed Capacity
1	Small Biogas Plants (<25 M ³ /day)	3112	--
2	Medium Biogas Plants (25-2500 M ³ /day)	3	45 kW
3	Compressed Biogas Projects	6	100.2 TPD
4	Biomass Cogeneration Project (Non-bagasse)	5	41.4 MW
5	Briquette and Pellet Manufacturing Projects	2	8 TPH

2. Under Environment Protection Charge fund of Central Pollution Control Board:

Sl No	Type of Projects	Number of Projects	Installed Capacity
1	Briquette and Pellet Manufacturing Projects	23	96.5 TPH

3. Under the Gobardhan Mission of Ministry of Petroleum and Natural Gas:

Sl No	Type of Projects	Number of Projects	Installed Capacity
1	Compressed Biogas Projects	4	10.2 TPD