

GOVERNMENT OF INDIA  
MINISTRY OF NEW AND RENEWABLE ENERGY  
**RAJYA SABHA**  
**UNSTARRED QUESTION NO. 628**  
ANSWERED ON 25.07.2023

**BIO ENERGY PLANTS**

628. SHRI NIRANJAN BISHI

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

- (a) the specific details of the bio-energy plants established in the State of Odisha, the number of plants currently operational, and their capacity;
- (b) the manner in which Government has supported the establishment of bio-energy plants, biomass power projects, and cogeneration projects in terms of financial incentives, policy frameworks and regulatory support;
- (c) the details of the steps taken by Government to promote the utilization of agricultural waste, such as crop residue and agro-industrial byproducts; and
- (d) the specific schemes or initiatives in place to incentivize the adoption of such technologies, if so, the details thereof?

**ANSWER**

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

**(SHRI R.K. SINGH)**

(a) to (d) Bio-energy projects implemented in the State of Odisha include 271,850 nos. of small and medium biogas plants, 10 nos. of biomass cogeneration projects with a total capacity of 8.83 MWeq, and 3 nos. of biomass power projects with a combined capacity of 50.40 MWeq.

Ministry of New and Renewable Energy had carried out independent evaluation study to assess the functionality of small biogas plants installed during the FY 2012-13 to FY 2016-17 in ten States, wherein the functionality rate of biogas plants in the State of Odisha was found to be 95.30%. For rest of the bioenergy projects, one projects with a capacity of 0.60 MW capacity is reported to be non-operational.

The Government of India has taken various steps to support the establishment of bio-energy plants, to promote the utilization of agricultural waste across the country by launching specific financial incentives schemes, providing policy frameworks, and regulatory support which, *inter alia*, include the following:

- i). The Ministry of New and Renewable Energy has notified National Bioenergy Programme in November, 2022 for the period 01.04.2021 to 31.03.2026. This programme, with a budgetary outlay of Rs. 1715 Crore, shall be implemented in two phases. The first phase has a budgetary outlay of Rs. 858 Crore. This programme provides Central Financial Assistance for setting up of Bioenergy plants.
- ii). Concessional custom duty is available upto 31.3.2024 for import of machinery and components for required for initial setting up of projects for generation of Power and BioCNG from non- conventional materials namely agricultural, forestry, agro-industrial, industrial, municipal and urban waste, bio waste or poultry litter.

- iii). Department of Drinking Water and Sanitation, Ministry of Jal Shakti, has notified GOBARDHAN scheme wherein financial assistance is available for setting up of community biogas plants in villages, blocks / district.
- iv). Central Pollution Control Board, Ministry of Environment, Forest and Climate Change has notified guidelines to provide financial support for setting up of Biomass Pellet plants in the NCT of Delhi, States of Punjab and Haryana and NCR districts of Rajasthan and Uttar Pradesh.
- v). The Ministry of Petroleum and Natural Gas has launched the Sustainable Alternative Towards Affordable Transportation (SATAT) initiative in October, 2018 for offtake of BioCNG/Compressed Biogas (CBG) after purification through Oil Marketing Companies (OMCs) for sale as automotive fuels.
- vi) Ministry of Power has notified SAMARTH mission (National Mission on Use of Biomass in Thermal Power Plants) for promoting the blending of biomass in the existing coal powered thermal power plants.
- vii). BioCNG/Compressed Bio-Gas has been included under Priority Sector Lending.

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