

Documentation required to participate in the programme

Beneficiaries

- Application form for installation of medium biogas plants
- Biogas consumer interest form for small biogas plants

Installers

- Performance reports at regular intervals

State implementing agencies

- Proforma for submission with respect to CFA only, for settlement of accounts under biogas programme (1-25 m³)
- Completion certificate of Biogas plants
- Monthly progress report
- Statement of expenditure
- Year wise details of small Biogas plants (1-25 m³) supported by MNRE to be displayed on the websites of the respective project implementing agency
- Bank mandate form

Inspector

- Commissioning certificate of biogas project for biogas plant above 25 to 2500 m³
- Third party inspection report after completion & commissioning of the biogas project (for biogas plant above 25 to 2500 m³)

Contact Information

Sh. S. R. Meena, Scientist D, Biogas Division
Contact No.: +91 11 20849069
Email: meena.sr@nic.in



Image Credit: GIZ



The Biogas Programme

Part of the National Bioenergy Programme



Image Credit: GLZ

Objective

The objective of the programme is to support setting up small and medium scale biogas plants for meeting clean cooking fuel, lighting, thermal and small power needs of users and to improve organic manure system based on bio-slurry from biogas plants in rural and semi-urban areas.

Benefits

1. Reduced GHG emissions, improved sanitation, women empowerment and creation of rural employment
2. Benefits to farmers through reduced dependence on chemical fertilizers
3. Support to individual user, farmers, poultry, goshalas, slaughterhouse, dairies / co-operatives, industries / organizations and others through Central Financial Assistance (CFA) for setting up of Biogas plants
4. Free & warranty for 5 years
5. Training support to users, staff, biogas masons and technicians and biogas turnkey workers

Applicable feedstock

Cattle dung, organic bio-degradable wastes (animal waste, kitchen leftovers, crop residue, faecal sludge etc.).

Project implementation process

- State Programme Implementing Agencies** which include designated programme implementing agency of the State/ Union Territory/Khadi Village and Industry Commission, Mumbai, National Dairy Development Board, Anand / Biogas Development and Training Centres (BDTCs)
- Financial Institutions** which include financing organizations/ institutions / Banks / Indian Renewable Energy Development Agency, NABARD / RBI approved Financial Institutions

The implementation agencies will process the applications and take action for the installation of biogas plants at the beneficiary site.

Central Financial Assistance structure

For beneficiaries

- a. For small Biogas plants (1-25 m³ / day plant capacity): Rs. 9,800 to Rs. 70,400 / plant based on size of the plant in m³.
- b. For Power generation and thermal application (25-2500 m³ / day plant capacity): Rs. 35,000 to Rs. 45,000 / kW for power generation and Rs. 17,500 to Rs. 22,500 / kW equivalent for thermal applications.
- c. The eligible CFA would be 20% higher than standard CFA for Northeast region, islands, registered gaushalas and SC / ST beneficiaries.
- d. Additional incentive of Rs. 10,000 / biogas based generator set or biogas engine water pumping system.
- e. Additional subsidy if Biogas plant linked with sanitary toilet and MNRE approved biogas slurry filter unit.

For turnkey workers

Subsidized turn-key job fee for construction, supervision and commissioning (Rs. 3,000 / Biogas plant for size ranging from 1-10 m³ and Rs. 5,000 / plant for size ranging from 15 to 25 m³)

For implementing agencies

Administrative charges for small Biogas plants and CFA up to Rs. 2,50,000 for medium scale biogas plants.

For biogas development and training centres

Financial assistance to BDTCs for conducting training courses, skill development courses and pilot plant demonstrations.



Image Credit: GLZ



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Programme approved biogas models

Fixed dome/ gasholder biogas

1. Deenbandhu fixed dome model with brick masonry construction
2. Deenbandhu ferro-cement model with in-situ technique
3. Prefabricated RCC fixed dome model
4. Solid-state Deenbandhu fixed dome

Floating dome

1. KVIC floating steel metal gasholder with brick masonry digester
2. KVIC floating gasholder type plant with ferro-cement digester
3. KVIC design biogas plant with fibre glass reinforced plastic and digester
4. Pragati model biogas plants
5. KVIC design type digester with floating gasholder, made up of HDPE / PVC FRP/IRCC, etc. material plant

Prefabricated model biogas

1. Prefabricated reinforced cement concrete digester with KVIC floating drum / gasholder
2. Bag type biogas plants (Fleximodel)
3. 2 m³ flexi domestic PVC coated model