

**Directorate of Agriculture Development and Farmers' Welfare**

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No:-ADFW/6668/2024-HC(TJ)

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**CIRCULAR**

Sub:- Agriculture Development &Farmer's Welfare Department-New National Biogas & Organic Manure Programme (NNBOMP) 2024-25 100% CSS – Working instruction issued- reg

Ref:- 1)E-file No.253/16/2017-BIOGAS,GOI,MNRE dated 8.07.2024  
2)E-file No.253/16/2017-BIOGAS,GOI,MNRE dated 20.05.2024  
3)PA/81/2023-AGRI Agriculture(PA)Department TVM, dated 29.05.2024  
4)No.300/2/2020-BIOGAS,MNRE dated 2.11.2022  
5)GO(Rt)No 525/2024/AGRI Dt 13.6.2024 Agriculture(Planning-B)Department ,Thiruvananthapuram

Government of India issued as per reference (4) detailed guidelines for the implementation of New National Biogas and Organic Manure Programme under the Umbrella scheme of National Bio Energy Programme for FY 2021-22 to 2025-26- (Phase-I).

As per reference(1) tentative targets have allotted to different states including Kerala for setting up of family type biogas plants and for conducting training courses.

As per reference no.(5) Government of Kerala accorded sanction for an additional assistance of Rs. 20. Lakhs under the head of account 2401-00-105-85 (Plan) for the construction of bio gas plants during 2024-2025.

The important objectives of the scheme are

- To provide clean cooking fuel for kitchens,lighting and meeting other thermal and small power needs of farmers and to improve organic manure system based on bio slurry from biogas plants in rural and semi urban areas by setting up of biogas plants.
- To meet 'lifeline energy needs for cooking as envisaged in "Integrated Energy policy" of NITI Aayog
- To mitigate drudgery of rural women and time saving for them for other livelihood activities and reduce pressure on forests and accentuate social benefits.
- To improve sanitation in rural and semi urban areas including linking sanitary toilets with cattle dung biogas plants
- To provide biogas plant produced slurry (liquid/semi-solid,dried) as an organic enriched bio manure to reduce use of chemical fertilizers
- To mitigate climate change by preventing black carbon and methane emissions.

## DETAILS OF THE SCHEME

### Rates of Central Financial Assistance (CFA)

Sl. No.	Particulars of CFA	Biogas plant under NNBOMP
		Size
1.	Installation of biogas plant	2-4 m <sup>3</sup>
	a. SC/ST Category	Rs.22000/plant
	b. General Category	Rs.14350/plant
2.	Turnkey job fee for construction, supervision, commissioning and fee O & M warranty for 5 years trouble free operations of plant including quality control at all levels	Rs.3000/ Plant (for 1M <sup>3</sup> - 10M <sup>3</sup> )
3.	Additional subsidy for cattle dung based biogas plants if linked with sanitary toilets only for individual households	Rs.1600/plant for size for 1M <sup>3</sup> -6M <sup>3</sup>
4.1	Support for users Training course	Rs.4000/- per course
4.2	Construction-cum-Maintenance/Refresher Course	Rs.50,000 /-per course
4.3	Staff Training course	Rs.10,000/- per course

### ADDITIONAL ASSISTANSCE -STATE FUND

SL.NO	Additional assistance – Statefund		Size of plant
1	Installation of biogas plant	Rate of assistance	
	a. SC	Rs. 9000/plant	for 1M <sup>3</sup> -25M <sup>3</sup>
	b. General Category	Rs. 8000/plant	for 1M <sup>3</sup> -25M <sup>3</sup>

**Only the MNRE approved specifications/ISI marked models of biogas plants as approved by BIS will be eligible for Central Financial Assistance under NNBOMP 2024-25.**

**Under any circumstance, subsidy should not be paid to the beneficiaries before biogas plants are commissioned.**

### COMPONENTS OF THE SCHEME

**(a) Setting up of Family type biogas plant**

Appropriate size and models of biogas plants would be selected on the basis of technical requirements such as location, distance between kitchen and cattle shed, availability of water and main feed stock cattle dung and preferences of the beneficiaries etc.

It is proposed to construct 550 numbers of family type biogas plants (General 350 nos. SC 100 nos & ST 100 nos.) The beneficiaries should be advised to use only ISI marked, double burner biogas stoves irrespective of the size of the biogas plant and also should make sure that the thermal efficiency shall not be below 55% for each burner of the biogas plant.

### **(b) Turn Key Job Fee (TKJF)**

The Turn Key Job Fee scheme for biogas plants is linked with 5 years free warranty and guarantee for trouble free functioning of biogas plants set up both on **Turn Key work contract basis** and bidding basis. It is payable to duly recognised and registered biogas turn key worker, registered societies registered corporate organisations / bodies identified by the Department etc. This is subject to the condition that the Turn Key Worker should visit the biogas plants twice in a year during the free warranty period of 5 years. Contract agreements of 5 years for providing biogas services should be entered into with registered and recognized Turn Key Worker (TKW).

### **Payment of Turn Key Job Fee (TKJF)**

The total TKJF of Rs.3000 /-per plant should be paid to the turn key workers in two instalments. On getting the beneficiaries' consent in the form of Completion Certificate (C.C), the 1<sup>st</sup> instalment of Rs. 1500/- plant (for size range from 1 – 6 m<sup>3</sup>) which is to be released after quality construction, supervision, including use of specified materials of biogas plant in quantity and quality and successful commissioning of the biogas plants and getting beneficiary's signature as a proof of his acceptance of the successful operation of biogas plant in the Completion Certificate (C.C) of each and every biogas plant unit in the prescribed proforma as in **Annexure – XIV**. The C.C being issued would be signed by the beneficiary, Biogas Turn Key Worker and Agricultural officer and two independent witness. The two witnesses could be one of his neighbours and another may be grama panchayat ward member and finally counter signed by the Assistant Director of Agriculture. The C.C should be kept ready for audit verifications and plant inspection purposes. The balance TKJF of Rs. 1500/- may be paid at the end the fifth year after proper verifications of the services provided by the concerned Turn Key Worker, who should visit the installed plants at least twice in a year during the free warranty period of 5 years.

The Principal Agricultural Officer should ensure that the solvency/bank guarantee is valid

for the current year at the time of submission of application for licence with a worth of Rs. 35000/district. Only the attested copies of solvency certificate need be sent to the Directorate of Agriculture. The original should be kept with the Principal Agricultural Officer and certificate to this effect should be furnished in the copy forwarded. A Turn Key Register should be maintained by the Principal Agricultural Officer as detailed in **Annexure V**

**(c) TRAINING**

Regional technology training Centre (RTTC) ,Vellayani should take necessary steps for conducting training by contacting Biogas DTC, Coimbatore and the schedule for training may be prepared and intimated to this office. Deputy Director of Agriculture ,RTTC, Vellayani should collect the list of trainees from respective Principal Agricultural Officers and submitted for approval.

	<b>No</b>	<b>Amount per course</b>
Construction-cum-Maintenance Training	2	Rs.50,000/-
Turn-key Workers Training	2	Rs.75,000/-
Staff Course Training	1	Rs.10,000/-
Users Training	15	Rs.4000/-

**(d)Targets for sanitary Toilet's linked Biogas Plant**

The biogas plants linked with sanitary Toilets tentative target for Kerala is 15 during 2024-25.

**Safeguards and Maintenance of Records for Audit purposes**

Each biogas plant should be assigned a unique serial number ID along with the year of installation, date of commissioning and having serially numbered matching with the Biogas Permanent Master Register (BPMR). The applicable CFA/subsidy will be disbursed to the beneficiary and Turn Key workers should be made through Direct Benefit Transfer (DBT) Scheme of the Government. Refer para 14 of the guidelines.

**Only the MNRE approved specifications/ISI marked models of biogas plants as approved**

The expenditure including pending claims, if any, will be met from funds available under the Head of account 2810-00-105-99 (100% CSS). All transactions under the scheme should be effected through electronic transfer only.

Deputy Director of Agriculture (Credit) will be in charge of implementing the scheme at District level. At State level Additional Director of Agriculture (Biogas) will monitor the

scheme.

The details of tentative targets allotted during 2024-25 for all districts as follows

New National Biogas and Organic Manure Programme -Tentative target 2024-25				
DISTRICTS	Biogas plants physical targets(Nos)			
TVM	GEN	SC	ST	TOTAL
KLM	35	10	10	
PTA	25	10	10	
ALPY	25	5	5	
KOTM	30	5	5	
IDUKI	25	10	10	
ERNAKM	30	5	5	
THRISSUR	25	5	5	
PALKD	25	10	10	
MALPM	25	10	10	
KOZD	25	10	10	
WAYND	25	5	5	
KANUR	30	10	10	
KASD	25	5	5	
TOTAL	350	100	100	

All PAOS are requested to take urgent action to achieve the allotted target in full during the current year itself. Copy of the circular should be communicated to all implementing officers up to Krishi Bhavan level.

The receipt of this circular should be acknowledged

**Dr ADEELA ABDULLA IAS**  
**DIRECTOR**  
 For Director of Agriculture

Encl: 1)Biogas Guidelines

Copy to: 1)all PAOs

2)The Project Associate RBD&TC Vellayani

3)CA to DA

4)CA to Additional Director(Biogas)

5)IT cell for publishing in website

6)Planning Section

7)Stock File