

TJ 10046/2020-21

Agriculture Development &  
Farmers Welfare Department  
Kerala. Dated: 22.02.2021

### C I R C U L A R

Sub: Agriculture Development & Farmers Welfare Department –  
New National Biogas and Organic Manure Programme (NNBOMP)  
2020-21- 100% CSS – Detailed working instructions issued – reg.

- Ref: 1) Letter No. F.No.253/16/2017/BIOGAS dated 10.07.2019 from  
MNRE, GOI  
2) E-file No. 253/16/2017-BIOGAS, GOI MNRE dated 24.07.2020.  
3) E-file No. 253/16/2017-BIOGAS, GOI, MNRE dated 11.06.2020.  
4) GO (Rt) No.6917/20 Fin dated 17.11.2020.  
5) GO (Rt) No. 132/2021 AGRI dated 10.02.2021.  
6) Circular No. TJ.10046/2020-21 dated 11.01.2021.  
7) E.file No.253/26/2020, 253/27/2020, 253/28/2020 – BIOGAS, GOI,  
MNRE dated 26.10.2020.

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Government of India as per reference (3) issued detailed guidelines for implementation of New National Biogas and Organic Manure Programme (NNBOMP) 2020-21. Target have been allotted accordingly for setting up of family type Biogas Plants and for conducting training courses under New National Biogas and Organic Manure Programme (NNBOMP) during 2020-21 with the direction to implement the scheme as per the guidelines. As per reference (2) sanction has been accorded for the implementation of New National Biogas and Organic Manure Programme NNBOMP 2020-21 with a physical targets of 800 Nos. (general -500 Nos., SC-200 Nos., ST- 100Nos.)

As per the reference (2) issued by Government of India Department of Agricultural Development and Farmers Welfare and Rural Department are decided as the implementing agencies for NNBOMP in Kerala and separate targets were allotted.

As per the letter read as 1<sup>st</sup> paper above, Government of India had revised the target for the implementation of the Scheme the New and National Biogas and Organic Manure Programme (NNBOMP) to 1100 Nos. of family type Biogas plants (general 1000 Nos, SCP 100 Nos) for 2019-20 Financial Year out of which 964 plants under General Category and 18 plants under SCP category has been completed and thus an amount of 132.75 lakh is due from Government of India as re-reimbursement. Out of this Rs.60 lakh has been received from Government of India and the balance of 72.75 is released from State budget under H/A.2401-00-105-99-Plan. (The details of fund allotment to districts are appended as Annexure-I)

As per the letter read as 2<sup>nd</sup> paper above, Government of India had allotted a target of 800 Nos. of family type biogas units for Kerala State for a financial target of 169.34 lakh for the year 2020-21. There is a budget provision of 400 lakh under the head of account 2810-00-105-99 during the current year for the purpose of expenditure under the Central Sector Scheme for biogas. As per reference (5) Government of Kerala have accorded Administrative Sanction to continue the project for a total cost of Rs.169.34 lakhs during 2020-21. (The physical target and financial allotments are appended as Annexure II).

#### Fund received from GOI 2020-21

Following funds have been released from GOI for the implementation of NNBOMP during the financial year 2020-21.

Sl.No.	Item	Amount (Rs. In Lakhs)
1)	1 <sup>st</sup> Installment for the year 2020-21 under General Category	30
2)	1 <sup>st</sup> installment for the year 2020-21 under SC category	12
3)	1 <sup>st</sup> installment for the year 2020-21 under ST Category	6
Total		48

These funds have been credit to the PFMS account maintained at District Level.

**The objectives of the scheme are as follows:-**

- 1) To provide clean cooking fuel for kitchens, lighting & meeting other thermal and small power needs of farmers /users including households and to improve organic manure system based on bio slurry from biogas plants in rural & semi urban areas by setting up of biogas plants.
- 2) To mitigate drudgery of women and time saving for them for other livelihood activities and reduce pressure on forest and accentuate social benefits.
- 3) To improve sanitation in rural and semi urban areas including linking sanitary toilets with cattle dung biogas plants.
- 4) To provide biogas plant produced slurry (liquid/semi-solid or dried) as an organic enriched bio manure to help reduce use of chemical fertilizers.
- 5) To meet 'life line energy' needs for cooking as envisaged in "Integrated Energy policy" of NITI Aayog.
- 6) To help in combating and reduction in causes of climate change by preventing emissions of Green House Gases (GHGs) such as carbon dioxide and methane into the atmosphere.

**Details of the Scheme**  
**Rates of Central Financial Assistance(CFA)**

(1)	Installation of biogas plant	1m <sup>3</sup>	2-6m <sup>3</sup>	8-10m <sup>3</sup>	15m <sup>3</sup>	20-25m <sup>3</sup>
a)	SC/ST category	10,000	13,000	18,000	21,000	28,000
b)	General category	7,500	12,000	16,000	20,000	25,000
(2).	Additional subsidy for Cattle dung based biogas plants if linked with transitory toilets, only for individual households.	Rs. 1600/Plant for size 1m <sup>3</sup> -10m <sup>3</sup> plant				



(3).	Turn-Key job fee for construction, supervision, commissioning and free O&M warranty for five years trouble free operations of plant including quality-control at all level.	Rs. 1500/- plant up to 10m3 size. (for 1 <sup>st</sup> year)
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**Additional Assistance State Fund :- H/A 2810-00-105-97 Plan**

Detailed working instruction had been issued vide reference 6.

**Payment of Subsidy/Central Financial Assistance (CFA) for Biogas plants.**

Payment of Subsidy/Central Financial Assistance(CFA) for Biogas plants by crediting to their Bank Accounts seeded with their Adhar Numbers after completion and commissioning of biogas plants. Commissioning of biogas plants includes laying of quality biogas pipeline, water remover, installation of standard biogas stoves/burner, and generation of biogas from the biogas plants for its use by the beneficiary concerned and duly issuing the Completion Certificate(CC) of the biogas plant. The applicable CFA amount would be disbursed to the beneficiaries of biogas plants, as per schedule 4.7 of the guidelines for implementation of NNBOMP. 15% of the Biogas Plants should be linked with sanitary toilets. The expenditure including pending claims, if any will be met from funds available under the H/A 2810-00-105-99-Plan (100% CSS) All transactions under the scheme should be effected through electronic transfer only.

Only the MNRE approved specification/ ISI marked models of biogas plants as approved by BIS will be eligible for CFA under NNBOMP. In Kerala situations Deena Bandhu models are performing better and hence these models must be given priority in implementation.

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 plants:-**

Appropriate size and models of Biogas plants would be selected on the basis of technical requirement 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 800 Nos of family type biogas plants (General-500 Nos, SC-200 Nos, ST-100 Nos).** The beneficiaries should be advised to use only ISI marked double burner biogas stoves, irrespective of the size of the plant and also should make sure that thermal efficiency shall not below 55% for each burner of the biogas plant.

b). **Turnkey Job Fee (TKJF)**

The Turn Key job fee scheme for biogas plants is linked with 5 years free warranty and guarantee for trouble free functions of biogas plants set up both on Turn Key work contract basis and bidding basis. Bidding is to be done at block level. It is payable to duly recognised and registered Biogas Turn Key workers, Registered Societies, Registered Corporate Organizations/ Bodies identified by the Department etc. The indicative guidelines are given at Annexure-V of reference No.3 (E-file.No. 253/16/2017-BIOGAS, guidelines issued by Government of India, dated.11/06/2020). 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 agreement 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)**

TKJF should be paid to Turn Key workers in three instalments. On getting the beneficiaries consent in the form of completion Certificate(CC) the 1<sup>st</sup> instalment of Rs.1500/- plant for size range from 1-6m<sup>3</sup> out of the total eligible amount of Rs. 2500/- 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 plant and getting beneficiary's signature as a proof of his acceptance of the successful operation of biogas plant in the Completion Certificate(CC) of each and every biogas plant unit in the prescribed proforma as in Annexure-XIV of reference (3) (E.File.No.253/16/2017-BIOGAS, MNRE dated.11/06/2020). The Completion Certificate(CC) being issued would be signed by the beneficiary, Biogas Turn Key Worker and Agricultural officer and two independent witness. The two witness could be one of his neighbours and another may be Grama Panchayath Ward member and finally Counter Signed by the Assistant Director of Agriculture. The Completion Certificate(CC) should be kept ready for audit verification and plant inspection purposes. The balance TKJF of Rs. 1000/- may be paid in two installment of Rs. 500/- each at the end of third year and fifth year after proper verification 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. (See para 7 of guidelines).

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 license 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 of reference No.(3) (File No. 253/16/2017-BIOGAS, Government of India, MNRE dated 11.06.2020)



c) **Training**

Regional Biogas Development and Training Centre (RBD & TC), Vellayani should take necessary steps for conducting trainings. Schedule for training may be prepared and intimated to this office. Deputy Director of Agriculture, RBD & TC, Vellayani should collect the list of trainees from respective Principal Agricultural Officer and submitted for approval.

d) **Salary**

Salary of eleven employees of the Department of Agriculture who are associated with this biogas scheme is to be drawn from the Head of Account 2810-105-99-01-Salaries. They are regular employees of the Department of Agriculture who is looking after the scheme. (4- from Directorate of Agriculture, 3- Work Superintendents of Thiruvananthapuram (attached with Principal Agricultural Officer, Thiruvananthapuram) 4- Work Superintendent of Kottayam (attached with Principal Agricultural Officer, Kottayam)

**Safe guards and Maintanance of Records for Audit Purposes.**

Each biogas plant should be assigned a unique serial ID along with the year of installation, date of commissioning and having serially numbered matching with the Biogas Permanent Master Register (BPMR). The subsidy to the beneficiary and turn Key workers should be made through Direct Benefit Transfer (DBT) Scheme of Government. All Principal Agricultural Officers and implementing officers are requested to maintain detailed particulars of the beneficiaries prescribed in Annexure – XII at the Krishi Bhavans level / Blocks level / District level in the registers meant for NNBOMP scheme and should be made available for inspection of officers of MNRE, Accountant General and Government of Kerala Refer Para 14 of the guidelines.

**Geo tagging of the Biogas Plants.**

Geo tagging of the biogas plant will be done twice, once the project site is finally approved and the second would be done when the biogas plant is finally commissioned.

In order to avoid duplication / wrong reporting and false and fake claims, each plant should be serialized by giving unique ID number with pre-determined identification mark and date, month and year of commissioning and code for Panchayath, Block and District along with name of implementing Agency. The unique number embossed /carved out on the Digester, Inlet & outlet tank wall of the Biogas Plants as well as the serial number on a metal strip / piece is welded on the gas outlet pipe in the dome portion or gas holder depending on the model. It is to be ensured that the inscription is visible to the inspecting officers, years after completion. The unique identification mark and code of each biogas plant should be recorded in the Permanent Marks Register (MPR) see Para 14.1.

The Agricultural officers should enter the code number of biogas plant of the concerned beneficiary in the subsidy disbursement records of the Krishibhavan. At the time of submission of claim to the Assistant Director of Agriculture, the Agricultural Officer should give a certificate that the .....beneficiary of .....code number has actually installed the plant.

#### **Photograph of the beneficiary in CFA Claims and Affidavit**

Four photographs of the biogas plant beneficiary in original should be taken at three different stages viz (1) Plant site (ii) Under contribution stage and (iii) at the time of commissioning of the biogas plant (One with the Completed biogas plant & another while beneficiary using biogas for cooking in Kitchen). The four photographs should be kept in records along with the original application of the beneficiary and the CFA disbursement records for details reference para 14.7 of the guidelines and do accordingly.

#### **Beneficiary-wise lists for uploading on websites/ biogas plants**

All Principal Agricultural Officers are directed to upload beneficiary wise, panchayat wise, block wise, district wise and year wise complete list of commissioned biogas plants on the website of the scheme. See para 5.2 of guidelines. It should be prepared in the manner as prescribed in para 14.1 and



Annexure- XII of the guidelines.


### **Implementation and Monitoring**

Deputy Director of Agriculture (Credit ) will be in charge of implementing the Scheme at District Level. At state level Additional Director of Agriculture (Farms & Biogas) will monitor the Scheme.

As per the guidelines issued by Government of India, Department of Agriculture and Department of Rural Development are the implementing agencies for NNBOMP in Kerala and District level and state level Co-ordination Committee has to be constituted for facilitating the implementation, supervision and monitoring of the Scheme. All Principal Agricultural Officers are to take necessary steps to convene District level Co-ordination Committee chaired by District Collector.

All Principal Agricultural Officers 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.

  
**Additional Director of Agriculture**  
**(Farms, Biogas)**  
**Directorate of Agriculture**  
**Vikas Bhavan, Thiruvananthapuram-33**

Sd/-  
**Director of Agriculture**

To

All Principal Agricultural Officers  
 RBD & TC, Vellayani.

Copy to

CA to Additional Director (Biogas)  
 Planning Section for allotments of funds  
 Deputy Director of Agriculture , IT Cell  
 Stock File .

## ANNEXURE - I

Allocation of Funds for the completed plans 2019-20 under the scheme New National Bio Gas & Organic Manure Programme  
New National Bio Gas & Organic Manure Programme(CFA)

Allocation under H/A 2810-00-105-99

Sl. No.	Name of Dist.	1 M3 No.	Amount @7500	2m3 6m3 No.	Amount already allotted through PFMS 2m3 - 6m3 (GC)	Balance Amount as 2M3 - 6M3 (GC)	20 M3	Amount linked	Toilet Nos.	Amount @1600/-	SC No. (2M3)	SC amount @13000/-	Total No. of biogas plants	Turnkey nos. @Rs1500/-	Turnkey Amount	Total Allotment
1	Trivandrum	1	7500	119	780000	648000					2	26000	122	122	183000	864500
2	Kollam	1	7500	65	360000	420000					1	13000	67	67	100500	541000
3	Pathanamthitta		0	44	240000	288000					0	0	44	44	66000	354000
4	Alappuzha		0	35	240000	180000					1	13000	36	36	54000	247000
5	Kottayam		0	99	600000	588000			2	3200	0	0	99	99	148500	739700
6	Idukki		0	52	360000	264000					6	78000	58	58	87000	429000
7	Ernakulam	3	22500	98	660000	516000					1	13000	102	102	153000	704500
8	Thrissur	2	15000	77	480000	444000			2	3200	1	13000	80	80	120000	595200
9	Palakkad		0	59	360000	348000	1	25000			2	26000	62	62	93000	492000
10	Malappuram		0	56	360000	312000					1	13000	57	57	85500	410500
11	Kozhikode	2	15000	113	720000	636000					0	0	115	115	172500	823500
12	Wayanadu		0	41	240000	252000					0	0	41	41	61500	313500
13	Kannur		0	65	360000	420000					1	13000	66	66	99000	532000
14	Kasaragod		0	31	240000	132000					2	26000	33	33	49500	207500
Total		9	67500	954	6000000	5448000	1	25000	4	6400	18 nos.	234000	982	982	1473000	7253900

Additional Director of Agriculture  
(Farms, Biogas)

Directorate of Agriculture

Vikas Bhavan, Thiruvananthapuram-33

Director of Agriculture



# ANNEXURE - II

Allocation of Funds for the biogas plants 2020-21 under the scheme New National Biogas & Organic Manure Programme (CFA)

Allocation under H/A 2810-00-105-99

Sl. No.	Name of District	Revised Target (Nos.)			Amount allotted through PFMS (in Rs.)			Balance as allotment (General Category) (in Rs.)	Turnkey fee (General Category) (in Rs.)	Training (in Rs.)	Salary (in Rs.)		Queue Bill for 18-19 (in Rs.)	Total Allotment (in Rs.)
		General	SC	ST	General	SC	ST				Presently allotted	Previously allotted		
1	Thiruvananthapuram	72	20	10	480000	90000	52000	384000	108000					492000
2	Kollam	30	20	10	240000	90000	40000	120000	45000					165000
3	Pathanamthitta	20	10	5	120000	100000	52000	120000	30000					150000
4	Alappuzha	13	10	5	120000	65000	30000	36000	19500					55500
5	Kottayam	50	10	5	240000	70000	30000	360000	75000			378750		813750
6	Idukki	30	20	10	240000	90000	60000	120000	45000					165000
7	Ernakulam	50	10	5	180000	65000	32000	420000	75000					495000
8	Thrissur	40	10	5	300000	100000	34000	180000	60000					240000
9	Palakkad	35	20	10	180000	100000	65000	240000	52500					292500
10	Malappuram	30	20	10	240000	100000	40000	120000	45000					165000
11	Kozhikode	60	10	5	180000	65000	30000	540000	90000					630000
12	Wayanad	20	10	10	180000	90000	65000	60000	30000				48400	138400
13	Kannur	30	20	5	180000	75000	30000	180000	45000					225000
14	Kasaragod	20	10	5	120000	100000	40000	120000	30000					150000
15	H.Q.										3278000	1505250		4783250
16	Vellayani RBD and TC									480000				480000
Total		500	200	100	3000000	1200000	600000	3000000	750000	480000	3278000	1884000	48400	9440400

Additional Director of Agriculture  
(Farms, Biogas)

Directorate of Agriculture

Vikas Bhavan, Thiruvananthapuram-33

Director of Agriculture