

Government of Goa
 Director of Agriculture
 Krishi Bhavan
 Tonca, Caranzalem-Goa.

Date :- 09/08/2016.

**CIRCULAR**

Sub: Implementation of State Sector Scheme "Development of Manures and Fertilizers"

Due to high rainfall the soils are acidic and deficient in various nutrients and mineral essential for healthy crop growth and production. Soil sample analysis helps in determining the soil fertility status which assists soil improvements through use of soil amendments for correcting Soil parameters, Macro, Secondary and micronutrient deficiencies, the on farm livestock waste can be effectively used to produce renewable energy and quality organic farming input through biogas plants, conversion of available on field/farm waste material into chemical free farm resource as farm input for organic farming through organic manure units and Vermi-compost units.

The Government is therefore pleased to re-notify the scheme "Development of Manures and Fertilizers" vide Notification No No:3/CIN/INM/M&F-Govt/3/2016-17/D. Agri/240 dated 01/07/2016 to be implemented in the State of Goa from the date of this notification during 2016-17 and shall be in force till it is amended or terminated, the scheme has the concurrence of the finance department under their U.O number 1400025388 dated 06-06-2016 and it superceeds earlier Notification No 3/5/M&F/Scheme/37/2013-14/D.Agri/611 dated 08/10/2013 and its amendment Notification No 3/5/M&F/BG-Gen/2/2015-16/D.Agri/333 dated 07/07/2015.

1. Objective of the scheme:-

- 1) To analyse the soils for soil fertility status and soil test based use of fertilizers and amendments.
- 2) To amend the soil based on soil test report, to address pH and nutrient deficiencies in fertilization practices.
- 3) To address other important soil deficiencies like micronutrients that affect crop productivity.
- 4) To effectively manage on farm livestock waste to produce renewable energy through biogas units.
- 5) To aid in the conversion of available on farm organic waste into chemical free organic manure through Organic manure and Vermi-compost units.

2. Components of the scheme:-

The scheme would be implemented with following components:

- (i) Analysis of soil samples.
- (ii) Assistance for use of Soil Conditioner.
- (iii) Assistance for use of Micronutrients.
- (iv) Assistance for construction/Installation of Biogas plants.
- (v) Assistance for construction/Installation of Organic manure units.
- (vi) Assistance for construction / installation of Vermi-compost units.

*Shri Prashant
 P. C. Simulata
 10/8*

*[Signature]
 11/8/16*

3. Eligibility:-

- (i) Any farmer carrying out agricultural activities in the State of Goa and having a Krishi card.
- (ii) The farmer should be cultivating minimum of 0.1 ha in general. However, in case of analysis of soil samples, construction/Installation of biogas plants & construction/ installation of Organic manure and Vermi-compost unit there would be no limitation of area.
- (iii) Institution and private limited companies involved in agriculture activities and having a Krishi card will also be assisted under this scheme.
- (iv) Farmer should possess a Soil Health Card not older than 2 years period for availing assistance for Soil Conditioners and Micronutrients or a certificate to that extent may be furnished by Asst. Chemist of Soil Testing Laboratory (North / South).

4. Pattern of assistance:-

(i) Analysis of soil samples: Soil samples received from the farmer or collected from farmers field will be analyzed in the Soil Testing Laboratories at Ela, Old-Goa or Margao for required soil parameters and nutrients. Soil Health Card shall be issued giving the soil fertility details and will provide an advisory on soil test based use of fertilizer and amendments for crop under cultivation.

ii) Assistance for use of Soil Conditioner: The soil conditioners like Rock phosphate, agriculture lime, dolomite etc., would be provided 75% subsidy limited to Rs. 6,000/-per ha for all categories of farmers and maximum of 4 ha per farmer. The soil conditioner shall be purchased and used by farmer and the subsidy shall be released after the use of the same in the field.

iii) Assistance for use of Micronutrients: Micronutrients like Zinc, Boron, Magnesium Sulphate and other notified micronutrients would be provided 75% subsidy limited to Rs.7, 500/-per ha for all categories of farmers and maximum of 4 ha per farmer. The subsidy would be released after the micronutrients are purchased and used by farmers.

The Micronutrients may be applied for crops cultivated in Goa as per the Soil test based report or standard recommendation as shown in Annexure 'VI' or as per the dose recommended in the product label or any standard recommendation from Government recognised Agriculture Institutions, Research centres and Boards.

iv) Assistance for Construction/Installation of Biogas plants: Biogas plants constructed by the farmer would be provided 90% subsidy against the estimated standard cost of construction/installation for biogas as below:

Sr.	Size of Biogas Plant	Estimated Standard cost (Rs.)	90% subsidy including Central Subsidy
1.	1 cu.mt.	23,000/-	20,700/-
2.	2 cu.mt.	30,000/-	27,000/-
3.	3 cu.mt.	34,000/-	30,600/-
4.	4 cu.mt.	42,000/-	37,800/-
5.	6 cu.mt. and above	56,500	50,850

The Pre- fabricated biogas plants models approved by MNRE Government of India or registered with this department will be considered for subsidy @ 90% on the standard cost fixed.

The incentive for promotion of biogas would be provided @ Rs.1000/- per plant to the promoters.

The subsidy provided by Government of India under promotion of non-conventional energy shall be adjusted within this subsidy and balance shall be paid from State funds.

v) Assistance for Construction/Installation of Organic manure units: Construction/Installation of organic manure units would be provided 75% subsidy limited to Rs. 1950/- per cu.mt. for Organic manure unit for all categories of farmer. The standard cost for Organic manure unit would be Rs.2600/- per cu. mt which includes 90% cost on construction/Installation including mason cost and 10% on culture, decomposing material, etc.

The unit can have one or more pits with or without internal chambers and preferably be above ground level, of bricks, laterite stones, cement blocks, shabaz/kadappa or RCC cement rings with clean internal side walls and should have adequate protection from sun and rain.

The portable organic manure unit of HDPE material and laid on prepared surface free from sharp objects and should be protected from rodents, maximum of 3 units would also be considered for subsidy @ 90% subsidy on the standard cost fixed and maximum amount of Rs 7,500/- per farmer.

vi) Assistance for Construction/Installation of Vermi-compost units: Construction/Installation of Vermi-compost unit would be provided 75% subsidy limited to Rs.1,950/- per cu.mt for Vermi-compost units for all categories of farmers. The Standard cost for Vermi-compost unit would be Rs 2600/- per cubic meter which includes 90% cost on construction/ installation including mason cost and 10% will be the cost of earth worms, etc. The unit can have one or more pits with or without internal chambers and has to be above ground level, of bricks, laterite stones, cement blocks, shabaz/kadappa or RCC cement rings, having a cement floor with proper water outlet, with clean internal side walls and a proper ant proofing and should be protected from sun, rain and from attack of birds, lizards and rodents feeding on earthworms..

The portable Vermi-composting unit of HDPE material i.e. Vermi-bed or Vermi-composting bins of 100 litre and above laid on prepared hard surface free from sharp objects, and protected as above, maximum of 3 units would also be considered for subsidy @ 90% subsidy on the standard cost fixed and maximum amount of Rs 7,500/- per farmer.

Subsidy in item at Sr. No. (v) and (vi) shall be released after the units are filled with organic matter/bio-fertilizer for organic manure production /composting.

The assistance provided by Government of India towards above programme under any other scheme would be adjusted within the total subsidy and balance subsidy shall be paid by the State Government.

5. Guidelines and procedure:-

- 1) The farmer shall give the soil sample along with the Krishi card detail for analysis to the Zonal Agriculture Office or the Soil Testing Laboratory at Ela and Margao as per the jurisdiction and the Soil Health Card along with the advisory will be available to the farmer in web based or printed form.
- 2) The Asst. Chemist at Soil Testing laboratory Ela/Margao upon receiving the sample should in general analyse the sample for parameter as specified by Government of India.

- (3) The Soil Conditioner may be applied as per the soil test report or as per the standard recommendation of 500 Kgs/hac.
- (4) For components at Sr. No. 2 (ii) Soil Conditioner and at Sr. No. 2 (iii) Micronutrient the farmer shall submit their application along with the Krishi Card details, Soil Health Card, cash invoice towards purchase of inputs under the scheme to the Zonal Agriculture Officer and the Zonal Agriculture Officer should submit the claims for settlement in Annexure III for Component at Sr. No. 2 (ii) and in Annexure IV for component at Sr. No. 2 (iii).
- (5) For component of Biogas unit:
 - A) Before construction /Prior Approval.
 - 1) Prescribed application form.
 - 2) Krishi card details.
 - 3) Undertaking by the applicant stating that the applicant has not availed subsidy for biogas plant in the past.
 - 4) For masonry/in-situ biogas plants the cost estimates of the Biogas plant and details of the registered mason who will undertake the construction is required.
 - 5) For pre fabricated biogas plants the estimate of the approved model by MNRE Government of India or from those issued by the dealer registered with this Department is required.
 - B) After completion/ Post Approval.
 - 1) Certificate from the mason that the Biogas plant is constructed as per the design and that there is no defect in the construction.
 - 2) Certificate from the applicant that he is fully satisfied with the construction of the Biogas plant.
 - 3) Completion certificate by Zonal Agriculture Officer.
 - 4) Form GAR 32 in duplicate.
 - 5) Bank mandate form of the Bank must be seeded with Adhar card number.
 - 6) Photograph of the Biogas unit constructed along with the beneficiary and this photograph has to be attested by the inspecting Official/Officer with his signature and full name on it.
- (6) The Promotional Incentive for promotion of Biogas claim has to be sent to the Dy. Director of Agriculture (CIN) section for settlement within the financial year.
- (7) For component of Organic manure and Vermi-compost unit.
 - A) Before construction or Installation/Prior Approval.
 - 1) Prescribed application form.
 - 2) Krishi Card details.
 - 3) For masonry Organic manure/ Vermi-compost unit the design along with the cost estimate of the unit is required.
 - 4) For portable Organic manure/Vermi-compost unit the estimate of the approved models is required.
 - B) After Completion or Installation/ Post Approval.
 - 1) Bill of expenditure/receipt for construction/installation of the unit (including mason charges) and earthworm/decomposing agent/material cost separately.
 - 2) Report of the Zonal Agriculture Officer giving complete details of the unit with measurement showing number of pits, dimensions, capacity in cubic meters, type of material used for construction and should mention whether the unit is suitably protected from rain, sun and ants.

- 3) Completion/Installation certificate by the Zonal Agriculture Officer.
- 4) Form GAR 32 in duplicate.
- 5) Bank mandate form of the Bank number with seeded Adhar card number.
- 6) Photograph of the Organic manure /Vermi-compost unit along with the beneficiary and this photograph has to be duly attested by the inspecting Official/Officer with his signature and full name on it.
- 7) Annexure V.
- (8) The Bill/Invoices for Organic manure/Vermi-compost unit should be shown separately for Construction/Installation/material cost including mason charges in the 90% applicable category with maximum upto Rs.1,755 cu.mt and separately for culture, decomposing material, etc cost in the 10% applicable category with maximum up to Rs 195/cu.mt.
- (9) The District Agriculture Officer shall examine and sanction the claim and the subsidy sanctioned would be order for payment through concerned office of the Directorate of Accounts by Electronic Clearance System (ECS).

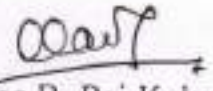
The assistance provided by Government of India under Central Sector Scheme Rashtriya Krishi Vikas Yojana (RKVY) 2016-17 is to be deducted from the total admissible subsidy for component at sr. no.2 (ii) Soil Conditioner and component at sr. no. (iii) Micronutrient and subsidy under C.S.S National Biogas & Manure Management Programme (NBMMP) 2016-17 should be adjusted within the total subsidy provided in the State Sector scheme for component at sr. no.2 (iv) Biogas plants.

2% of the target of all the above schemes may be enmarked for S.C category farmers and 12% for S.T category farmers, preference should be given to women farmers, Cases pertaining to S.C /S.T category farmers may be submitted separately by super scribing on the top of the application as S.C/S.T and these cases may be settled under the appropriate Budget Head.

- 1) Cases of General Category:
2401-Crop Husbandry, 00, 109-Extension & Farmers Training,
08- Development of Agriculture Extension (Plan), 33- Subsidies.
- 2) Cases of Schedule Caste Category:
2401-Crop Husbandry, 00, 789- Special component plan for Schedule Castes,
01- Schedule Caste Development (Plan), 33- Subsidies.

3) Cases of Schedule Tribe Category:

2401-Crop Husbandry, 00, 796- Tribal Area Sub Plan, 01- Schedule Tribe Development Scheme (Plan), 33- Subsidies.


(Ulhas B. Pai Kakode)
Director of Agriculture

To,

- 1) The District Agriculture Officer (North/ South District).
- 2) The Zonal Agricultural Officers (All) Pernem/ Mapusa/ Bicholim/ Sakhali/ Sattari/ Tiswadi/ Margao/ Ponda/ Sanguem/ Quepem/ Canacona/ Dharbandora.

Copy to:-

- 1) The Director of Accounts, Panaji-Goa.
- 2) The Joint Director of Accounts, South, Margao-Goa.
- 3) The Programme Co-ordinator, Krishi Vigyan Kendra, South District -Margao.
- 4) Dy. Director of Agriculture (Horticulture/ Extension/CIN,), Directorate of Agriculture, Krishi Bhavan, Tonca, Caranzalem-Goa.
- 5) The Asstt. Director of Agriculture (P&E), Directorate of Agriculture, Krishi Bhavan, Tonca, Caranzalem-Goa.
- 6) The Asstt. Director of Agriculture (FT), Farmers Training Centre, Ela, Old-Goa.
- 7) The Farm Superintendent Codar/Kalay.
- 8) Assistant Chemist, Soil Testing Laboratory, Ela Old - Goa.
- 9) Assistant Chemist, Soil Testing Laboratory, Krishi Vigyan Kendra, Margao Goa.
- 10) The concerned file.
- 11) The guard file.