

TF(2) 15226/2018

Directorate of Agriculture Development
& Farmer's Welfare, Vikas Bhavan,
Thiruvananthapuram
Dated: 07.07.2018

CIRCULAR

Sub: Annual Plan 2018-19-Scheme on Soil Health Management and Productivity Improvement - Panchayath Adoption including Soil Health Card in Adopted Panchayats excluding manpower component- working instructions-issued.

Ref: 1. G.O. (Rt.) 634/2017/AD dated 23.06.2017

2. Order No. TP (2) 7457/18 dated 26/06/2018 of the Director of Agriculture

As per the reference 1st cited, Government have accorded administrative sanction for the implementation of the scheme 'Soil Health Management and Productivity Improvement' during the year 2017-18 for an amount of Rs. 415 lakh under the Head of Account 2401-00-800-28(Plan), of which Rs. 25 lakh was set apart for the component 'Panchayath Adoption including Soil Health Card in Adopted Panchayats excluding manpower component'.

As per the reference 2nd cited, continuous sanction has been accorded for implementation of the scheme during 2018-19 for an amount of Rs. 26 lakh under the Head of Account **2401-00-800-28 (Plan)**. The scheme is to be implemented during 2018-19 at a cost of Rs. 26 lakh from the total budget outlay of Rs. 2833 lakh set apart for "Soil and Root Health Management and Productivity Improvement" under the H/A 2401-00-800-28 Plan.

Objectives:

- Creating awareness among the farmers regarding the importance of micro nutrient application.
- * To maximize the returns from investment on fertilizers and to avoid wasteful expenditure.
- * To make the demonstration plots a live tool for transfer of technology among farmers.

Programmes:

Selection of farmers: The programme will be implemented in Onattukara region comprising three districts viz., Kollam, Pathanamthitta and Alappuzha. Since there are no panchayats in Pathanamthitta district coming under Onattukara region, the programme will be implemented in the panchayats of Kollam and Alappuzha district coming under Onattukara region. Hence, this year, the programme will be implemented in **all the 39 panchayats of Onattukara region** viz.,

Chingoli, Veeyapuram, Pallipad, Cheruthana, Karthikappally, Thrikkunnappuzha, Kumarapuram, Cheppad, Arattupuzha, Kandallloor, Muthukulam, Pathiyoor, Devikulangara, Krishnapuram, Thamarakulam, Bharanikavu, Palamel, Nooranadu, Chunakara, Vallikunnam, Thazhakara, Thekkekara, Chennithala, Chettikulangara and Karuvatta of Alappuzha district and Oachira, Clappana, Thazhava, K.S.Puram, Thodiyoor, Alappad, Mynagappally, Sooranadu North, Sooranadu South, Thevalakara, Panmana, Chavara, Thekkumbhagam and Neendakara of Kollam district.

Innovative farmers cultivating paddy, banana, vegetables and tapioca will be selected from each ward of the panchayaths by the Agricultural Officers of the concerned Krishi Bhavans to conduct multi location trials. Decision regarding the crop, location and details of demonstration will be done by the Agricultural Officers in consultation with the Assistant Soil Chemist, District Soil Testing Laboratory.

While selecting farmers for conducting demonstration trials, the best farmers' model farms and progressive plots should be avoided. Preference should be given to those plots having micronutrient deficiency.

Conducting demonstration trial:

The crops for which demonstrations trials are proposed include paddy, banana, tapioca and vegetables. The area of demonstration trial is 30 cents. The demonstrations will be conducted as ABC trials including three treatments ie., soil test based recommendations, Package of Practices recommendations and Farmer's practices in 10 cents each, giving safe distance between each plots. As the three treatments are done in the same plot, a safe distance between the treatments are to be given ie. 1m for paddy, two rows for banana, four rows for tapioca and four rows for vegetables. The same crops without any treatment will be grown in the above spaces.

Display Boards with details of demonstration is to be exhibited in the plots.

The district wise, crop wise, physical and financial targets of demonstrations is given in Annexure 1.

Analysis of soil sample

Soil samples will be collected from the selected plots and analyzed in the concerned District Soil Testing Laboratories. The expenses connected with the transportation of soil sample can be met from the scheme provision. The fertilizer and organic manure application will be done in the demonstration trials based on the soil test data.

The assistance for conducting demonstration trials for the selected crops is as follows:

Sl. No.	Crop	Area of demonstration	Rate (inRs.)
1	Paddy	30 cents	6000
2	Tapioca		4800
3	Banana		12000
4	Vegetable		12000

Steps to be followed

- * Collection of soil samples and analysis after the harvest of each crop and comparison of analytical result with the pre sowing results should be done for confirming the soil fertility variation.
- * Recording of crop yield after the harvest of the crops in each plot and computation of total nutrient uptake for each plot should be carried out. *The observations to be taken and recorded in each stage of the crops are given as Annexure 2.*
- * The collected data should be recorded in the field register maintained by the farmer and in the Krishibhavans.

Since agriculture is a season based activity, timely implementation of the scheme has to be ensured by arranging the required inputs in advance and this should be reflected in the monthly booking of expenditure from next month onwards.

Since the Government is giving emphasis to women participation and gender budgetting, maximum efforts have to be made to include women beneficiaries in the scheme.

Documentation of the scheme:

Documentation of the scheme should be carried out before the commencement of the programme and after the completion of the programme. The documentation of micronutrient studies should also be done.

Monitoring:

At the State level, the scheme will be monitored by the Additional Director of Agriculture (Planning). The Chief Soil Chemist will assist Additional Director of Agriculture (Planning) in the monitoring and review of the programme. The Chief Soil Chemist will closely monitor the programme on monthly basis and report the progress to the Director of Agriculture.

At the District level, the scheme will be monitored by the Deputy Director of Agriculture (WM), Assistant Soil Chemists of the Districts and Assistant Directors of Agriculture. All supervisory officers should visit the demonstration plots and record the same in the registers maintained at Krishi Bhavans and the registers maintained by the farmers. Monthly progress reports on the implementation of the scheme will be submitted to the Director of Agriculture before the 5th of every month. The observation of the demonstrations should be presented in the workshops / MTA meeting.

Financial Programme:

To provide assistance for the conduct of Demonstration trials and expenses for transportation of soil samples, awareness classes, seminars etc. an amount of Rs. 26.00 lakh is set apart under this programme as given below. *The district wise, component wise allotment of funds is given in Annexure 3.* The funds will be allotted to Chief Soil Chemist.

Sl. No.	Item	No of demonstrations	Rate (in Rs.)	Amount (Rs. In Lakhs)
1	Laying out demonstration plots	266 nos	6000-12000/-(as given in the table above)	24.72
2	Expenses for transportation of soil samples, awareness, seminars etc		LS	1.28
	Total			26.00

The expenditure will be met from the provisions under the H/a scheme 2401-00-800-28 Plan "Soil Health Management and Productivity Improvement".


Sd/-

Director of Agriculture

Copy to:

1. All Principal Agricultural officers
2. T.A. to Director of Agriculture
3. The Chief Soil Chemist, CSPHC, Thiruvananthapuram

4. Deputy Director of Agriculture (IT) for publishing in website
5. All Additional Directors of Agriculture
6. Planning section for allotment of funds
7. Stock File.


Additional Director of Agriculture (Planning)

C. K. SAJITHA
Addl. Director of Agriculture (Plg)
Directorate of Agriculture
Vikas Bhavan, Thiruvananthapuram

Annexure-1											
PHYSICAL AND FINANCIAL TARGET OF DEMONSTRATION 2018-19											
Rs. in lakh											
Sl. No.	District	CROPS									
		PADDY		TAPIOCA		BANANA		VEGETABLE		TOTAL	
		@ Rs.6000/-		@ Rs.4800/-		@ Rs.12000/-		@ Rs.12000/-			
		No	Amount	No	Amount	No	Amount	No	Amount	No	Amount
1	Kollam	35	2.1	7	0.336	36	4.32	18	2.16	96	8.916
2	Alappuzha	61	3.66	13	0.624	64	7.68	32	3.84	170	15.804
	Grand Total	96	5.76	20	0.96	100	12	50	6	266	24.72

Annexure – 2

Data to be taken and recorded under demonstration

- * Name & Address of the Farmer:
- * Name of crop:
- * Variety used:
- * Area under each treatment:
- * No. of plants in each treatment (Except for paddy):
- * Soil test results prior to the demonstration:
- * Refined recommendations based on soil test results:
- * Biometric observation taken during critical stages of the crop:
 - a. No. of tillers/plant for paddy:
 - b. Girth of the plant (Except for paddy):
 - c. Height of the plants:
 - d. No. of Panicles (Paddy):
- * Incidences of Pest/Diseases:
- * Nutritional deficiency symptoms noticed, if any:
- * Corrective measures taken:
- * Climate during critical stages (Rainfall/temperature):
- * Average yield in each treatment (including straw for paddy):
- * Economics of cultivation in each treatment:
- * Details of soil analysis after demonstration:
- * Overall responses of Farmers on the treatment :

Annexure III

Details of fund allotment

Allotment of funds to districts (Rs. In lakh)

SL No.	District	Demonstration Plots	Expense for transportation of soil samples analysed	Total
1	Kollam	8.916	0.4608	9.3768
2	Alappuzha	15.804	0.8192	16.6232
	Total	24.72	1.28	26