

CIRCULAR

Sub: National Mission for Sustainable Agriculture -Implementation of Soil Health Card Scheme 2nd cycle - 2018-19 – Working Instructions issued - reg

- Ref: 1. Operational guidelines for implementation of Centrally Sponsored Scheme – National Mission for Sustainable Agriculture
2. GOI letter No. 16-18/2015-Fert Use (I),(ii) and (iii) dated 31.07.2018
3. GO (Rt.) No. 921/2018/AGRI dated 12/09/2018
4. GO (Rt.) No. 927/2018/AGRI dated 14/09/2018
5. This office Circular of even no. dated 19.07.2018

Soil Health Card is the field specific report on soil fertility status and other important soil parameters that affect crop productivity. Besides soil health, it also provides an advisory on soil test based use of fertilizers and amendments. Government of India have implemented 'Soil Health Card' Scheme 1st cycle during 2015-16 and 2016-17 and launched the 2nd cycle during May 2017.

As per reference 2nd cited, Government of India have conveyed the sanction to release an amount of Rs. 154.52 lakh (Rs. 117.44 lakh under General category, Rs. 24.72 lakh under SC category and Rs. 12.36 lakh under ST Category) as first instalment of funds for implementation of Soil Health Card Scheme during 2018-19. As per reference 3rd cited, Government of Kerala has accorded Administrative Sanction for a total amount of Rs. 343.38 lakh (Rs. 206.03 lakh as Government of India share and Rs. 137.35 lakh as Government of Kerala share) for the implementation of Soil Health Card Scheme under National Mission for Sustainable Agriculture during 2018-19 in the funding pattern of 60:40 between Government of India and Government of Kerala. As per reference 4th cited, Government of Kerala have released Government of India share of Rs 154.52 lakh (Rs. 117.44 lakh under General category, Rs. 24.72 lakh under SC category and Rs. 12.36 lakh under ST Category) along with its corresponding Government of Kerala share of Rs. 103.01 lakh (Rs. 78.29 lakh under General category, Rs. 16.48 lakh under SC category and Rs. 8.24 lakh under ST Category) from the budget provision available under the Head of Account 2401-00-109-65- Umbrella Scheme on Krishi Unnathi Yojana and other CSS

(60% CSS) for the implementation of Soil Health Card Scheme under National Mission for Sustainable Agriculture during 2018-19.

Programmes involved:

1. Analysis of soil sample:

Detailed working Instructions and district wise physical targets have been issued vide Circular cited 5th in reference. The district wise physical and financial target for collection / analysis of soil samples are appended in **Annexure - I**.

2. Training for Soil Chemists:

There is a provision for conducting 5 nos. of training for Soil Chemists @ Rs. 60,000/- per training. Out of this, one training is allocated to the Department of Soil Survey and Soil Conservation and the remaining four to the Department of Agriculture.

One week orientation training to Soil Chemists on soil analysis and fertilizer recommendations in batches of 20 participants will be organized in Kerala Agricultural University/ ICAR institutions like CTCRI, CPCRI, etc. The Chief Soil Chemist should make necessary arrangements for conducting the training as per the Operational Guidelines of National Mission for Sustainable Agriculture. The financial norms of the training is appended as **Annexure - II**.

3. Assistance to farmers:

This aims to provide financial assistance to farmers to apply corrective measures for nutrient deficiencies and pH balance and INM practices for improving the soil fertility.

Assistance @ 50% of cost of Gypsum/ phospho gypsum/ bentonite sulphur limited to Rs.700/per ha can be given to areas where soil is deficient in Magnesium/ Sulphur/ Phosphorus.

In micronutrient deficient areas, assistance for micronutrients @ 50% limited to Rs. 500/- per ha can be provided.

To neutralise acidity in acidic soils, lime/ liming materials can be provided with an assistance @ 50% limited to Rs. 1000/- per ha.

Assistance @ 50% of the cost of all biofertilizers limited to Rs. 300/- per ha can also be provided.

Thus total assistance of Rs. 2500/- per ha. can be given based on soil test data. There is a total provision of Rs. 19.45 lakh for providing assistance to farmers in 778 ha. The district wise physical and financial target is appended in **Annexure -III**

4. Farmers Training:

There is a provision for conducting 6 nos. of farmers training @ Rs. 24,000/- per training. Trainings of two day duration are to be conducted at district level by the Assistant Soil Chemists of Mobile Soil Testing Laboratories of Thiruvananthapuram, Alappuzha, Kottayam, Palakkad, Malappuram and Kannur.

5. Staff Training:

There is a provision for conducting 3 nos. of staff training @ Rs. 36,000/- per training. Trainings of two day duration are to be conducted at district level by the Assistant Soil Chemists of District Soil Testing Laboratories of Kollam, Ernakulam and Kozhikkode.

The district level training dates, selection of participants and venue should be done in consultation with the concerned Principal Agricultural Officers and Project Directors, ATMA.

The training components and the training details for the farmers training and staff training are appended in **Annexure IV**.

6. Workshop:

A state level workshop to create awareness among farmers and soil sampling teams by experts of Kerala Agricultural University/ ICAR institutions has to be conducted utilising the fund of Rs. 1.5 lakh earmarked for the same. The funds will be allocated to the Department of Soil Survey and Soil Conservation for conducting the workshop as per the Operational Guidelines of National Mission for Sustainable Agriculture.

7. Mission Management:

This component will be dealt in the Head Quarters.

Financial outlay:

Sl. No.	Component	Physical target	Rate of assistance (in Rs.)	Financial target (Rs. in lakh)		
				GoI	GoK	Total
1.	Analysis of soil samples and generation of SHC	103392 no	300	186.11	124.07	310.18
2.	Training for Soil Chemists	5 no	0.6	1.8	1.2	3.0
3.	Assistance to farmers	778 ha	2500	11.67	7.78	19.45
4.	Farmers Training	6 no	0.24	0.86	0.58	1.44
5.	Staff Training	3 no	0.36	0.65	0.43	1.08

6.	Workshop	1 no	1.5	0.9	0.6	1.5
7.	Mission Management		2%	4.04	2.69	6.73
	TOTAL			206.03	137.35	343.38

Monitoring:

In each district, a **District Level Executive Committee** is to be constituted with Collector as Chairman, Joint Director of Agriculture as Member Secretary, Project Director ATMA, Deputy Director of Agriculture (E&T) as members, the representatives of the line Departments and Kerala Agricultural University/KVKs as expert members. The DLEC will be responsible for carrying forward the objectives of the schemes for project formulation, implementation and monitoring.

The Chief Soil Chemist should monitor the analysis of soil samples by the Assistant Soil Chemists of Soil Testing Laboratories and monitor the uploading of soil test results in the Soil Health Card Portal and generation of Soil Health Cards. '

The District ATMA will be the implementing agency at district level and the Principal Agricultural Officer, assisted by Deputy Director of Agriculture (E&T) will be in charge of fund allocation. The final Utilization Certificate and completion report will be submitted by the Principal Agricultural Officer.

At the State level, monitoring will be done by the Additional Director of Agriculture (Planning).

Sd/-

Director of Agriculture

To:

The Director, Department of Soil Survey and Soil Conservation.
All Principal Agricultural Officers
All Project Directors, ATMA
Chief Soil Chemist
IT section for publishing in the website
TA to Director of Agriculture
Planning Section

Assistant Soil Chemists of all DSTs and MSTs.

Rajasree J.
RAJASREE J.
Assistant Director of Agriculture
Directorate of Agricultural Development
& Farmers Welfare, Vikas Bhavan
Thiruvananthapuram

Physical and Financial targets under soil sample collection & Testing

Sl.No	District	Target for soil sample collection & Testing						Total
		Department of Agriculture Development and Farmers Welfare		Department of Soil survey and Soil Conservation		Physical	Financial (Rs. In lakh)	
		Physical	Financial (Rs. In lakh)	Physical	Financial (Rs. In lakh)			
1	Thiruvananthapuram	3482	10.446	1499	4.497	4981	14.94	
2	Kollam	2666	7.998	1499	4.497	4165	12.50	
3	Pathanamthitta	3063	9.189	345	1.035	3408	10.22	
4	Alappuzha	2881	8.643	2986	8.958	5867	17.60	
5	Kottayam	5319	15.957	1500	4.5	6819	20.46	
6	Idukki	8424	25.272	1500	4.5	9924	29.77	
7	Ernakulam	4345	13.035	3002	9.006	7347	22.04	
8	Thrissur	7190	21.57	2998	8.994	10188	30.56	
9	Palakkad	10104	30.312	3000	9	13104	39.31	
10	Malappuram	7033	21.099	3000	9	10033	30.10	
11	Kozhikode	3015	9.045	3001	9.003	6016	18.05	
12	Wayanad	5410	16.23	986	2.958	6396	19.19	
13	Kannur	4616	13.848	3002	9.006	7618	22.85	
14	Kasaragod	6025	18.075	1501	4.503	7526	22.58	
	Total	73573	220.719	29819	89.457	103392	310.18	

Annexure II

National Mission for Sustainable Agriculture- Training of Soil Chemists

Sl. No.	Training	Physical Target (No.)	No. of participants per training	Duration	Institutions selected for conducting the training	Rate per training (in Rs.)	Components of training		Remarks
							Particulars	Amount (in Rs.)	
1	Training of Soil Chemists (Orientation Training)	4	20	1 week	CTCRI, Thiruvananthapuram	60000	Boarding and lodging (@ Rs.400 per person per day for 20 participants)	40000	
							Stationery and soil testing manual	5000	
							Honorarium to Guest Speaker @ Rs. 1000/- per speaker for 5 speakers	5000	
							Accommodation charges for halls and other training facility including lab facility	10000	
							Total	60000	

Annexure -III**District wise physical and financial target under Farmers Assistance**

Sl. No.	Name of District	Physical (Area in Ha)	Financial (Rs. in lakh)
1	Thiruvananthapuram	56	1.4
2	Kollam	56	1.4
3	Pathanamthitta	53	1.325
4	Alappuzha	56	1.4
5	Kottayam	56	1.4
6	Idukki	56	1.4
7	Ernakulam	56	1.4
8	Thrissur	56	1.4
9	Palakkad	56	1.4
10	Malappuram	56	1.4
11	Kozhikode	56	1.4
12	Wayanad	53	1.325
13	Kannur	56	1.4
14	Kasaragod	56	1.4
	Total	778	19.45

Annexure IV

Training components and the training details for the farmers training and line staff training

Sl. No.	Training	Physical Target (No.)	no. of participants per training	Duration	District selected for the training programme	Rate per training (in Rs.)	Components of training	Amount (in Rs.)	Remarks
							Particulars		
1	Farmers training	6	30	2 days	Thiruvananthapuram, Alappuzha, Kottayam, Palakkad, Malappuram and Kannur.	24,000/-	Training material/ stationery/ venue cost/ audio visual aids, etc	2500	Training should be convened by the ASC of MSTL in consultation with PAO and PD, ATMA
							Dormitory/travel/transport etc	4500	
							Honorarium to SMS/Scientist (250/ lecture x 8 lectures in 2 days)	2000	
							2 meals / refreshment (Rs. 250/ day x 30 farmers x 2 days)	15000	
							Sub - Total	24000	
	Staff training (Extension personnel including contract staff of ATMA/ LEADS)	3	20	2 days	Kollam, Ernakulam and Kozhikkode	36,000/-	Training material/ stationery/ venue cost/ audio visual aids, etc	5000	Training should be convened by the ASC of DSTL in consultation with PAO and PD, ATMA
							Lodging/travel/transport/ visits etc	15000	
							Honorarium to trainer/Scientist (500/ lecture x 8 lectures in 2 days)	4000	
							2 meals / refreshment (Rs. 300/ day x 20 officers/ extension workers x 2 days)	12000	
							Sub- Total	36000	