

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

Vikas Bhavan, Thiruvananthapuram – 695033

e-mail:cru.agridir@kerala.gov.in, Phone: 0471-2304481

No:ADFW/3446/2022-TA2

Date:31-01-2023

**CIRCULAR**

Sub:- Agricultural Department – Central Sector Scheme - National Mission for Sustainable Agriculture (NMSA) – Rainfed Area Development (RAD) Programme 2022-23- Working instructions- issued – reg.

Ref:- 1)Government of India Letter No. 1-27/2018-RFS-III (Pt) dated 31-08-2022

2) Government of India Letter No. 1-27/2018-RFS-III (Pt) dated 01-12-2022

3) G.O.(Rt)no.77/2023/AGRI dtd 25.01.2023

As per the reference cited 1<sup>st</sup>, Government of India have conveyed the approval of Annual Action Plan of Rainfed Area Development under National Mission for Sustainable Agriculture during 2022-23 for an amount of Rs. 333.33 lakh in the funding pattern of 60:40 between the Central and State Governments.

As per reference 2<sup>nd</sup> cited, Government of India have conveyed the first installment fund release of Rs.50.00 lakh and vide reference 3 cited, corresponding state share of Rs.33.33333 lakh has been released by State Government for implementation of RAD component of NMSA in the **funding pattern 60:40** and during 2022-23. The details of first installment fund release is as detailed below.

Sl. no.	Category	Central share (Rs. in lakh)	State share (Rs. in lakh)	Total (Rs. in lakh)
1.	General	44.70	29.80	74.50
2.	SCP	4.55	3.03333	7.58333
3.	TSP	0.75	0.50	1.25
	Total	50.00	33.33333	83.33333

The working instruction towards the implementation of the programme during 2022-23 is issued herewith for compliance.

Rainfed Area Development (RAD) will adopt an area based approach for development and conservation of natural resources along with farming systems. This component will introduce appropriate farming systems by integrating multiple components of agriculture such as crops, horticulture, livestock with agro based income generating activities and value addition. Besides, soil test/soil health card based nutrient management practices, farmland development, resource conservation and crop selection conducive to local agro climatic condition will also be promoted under this component. A cluster based approach of 100 hectare or more (contiguous or non contiguous in difficult terrain with close proximity in a village/adjoining villages) may be adopted to derive noticeable impact of convergence and encourage local participation and for future replication of the



model in larger areas. Supplementary support from this component will be admissible for gap-filling resource conservation activities under converging programmes. RAD clusters should have soil analysis/soil health card/soil survey maps to justify the interventions proposed.

The programme is intended to be taken up in the three agriculturally predominant districts of Kerala viz., Kannur, Wayanad and Thrissur. These districts are among the distress districts of Kerala affected by severe drought and heavy runoff. RAD will be implemented with the active participation of Department of Agriculture, Department of Soil Survey & Soil Conservation and Department of Animal Husbandry. The programme will be implemented on a cluster approach as shown below.

Sl.no.	District	Block	Panchayat	Name of cluster	Area (ha)
1.	Thrissur	Wadakkancherry	Wadakkancherry	Wadakkancherry	95
			Mundathikkode	Mundathikkode	95
			Thekkumkara	Thekkumkara	95
			Erumappetty	Erumappetty	67
			Mulloorkkara	Mulloorkkara	50
			Desamangalam	Desamangalam	50
	Kannur	Koothuparamba	Mangattidam	Mangattidam	90
			Chittaripparamba	Chittaripparamba	85
		Taliparamba	Chengalayi	Chengalayi	71
			Udayagiri	Udayagiri	95
		Irikkur block	Mayyil	Mayyil	100
	Wayanad	Kalpetta	Moopainad	Moopainad	106
		Mananthavady	Thondernad	Thondernad	174
	Total				1173

The components of the programme are :

#### 1) Integrated Farming System:

RAD aims at promoting Integrated Farming System (IFS) with emphasis on multi cropping, rotational cropping, inter-cropping, mixed-cropping practices with allied activities like horticulture, livestock, apiculture etc. to enable farmers not only in maximizing the farm returns for sustaining livelihood, but also to mitigate the impacts of drought, flood or other extreme weather events.

#### a) Cereal based cropping system

The assistance to be provided is 50% of input costs limited to Rs. 10000/- per ha. Maximum permissible assistance will be restricted to 2 ha per beneficiary. (Input cost includes land preparation, seeds, fertilizer/manure, plant nutrients, plant protection chemicals and herbicides etc.).



a) Horticulture Based Farming System

The assistance to be provided is 50% of input costs limited to Rs. 25000/- per ha. Maximum permissible assistance will be restricted to 2 ha per beneficiary. (Input cost includes land preparation, seeds, fertilizer/manure, plant nutrients, plant protection chemicals and herbicides etc.).

b) Livestock based farming system

The assistance to be provided is 50% of input costs of cropping system including cost of animals with one year concentrated food limited to Rs.40,000/- per ha (2 milch animals + 1 ha cropping system). Maximum permissible assistance will be restricted to 2 ha per beneficiary. (Input cost of cropping system includes seeds, fertilizer/manure, plant nutrients, plant protection chemicals and herbicides etc.)

c) Small Ruminant based Farming System/Poultry based :

The assistance to be provided is 50% of input costs of cropping system including and cost of animals/birds with one year concentrated food limited to Rs.25,000/- per ha (10 animals/50 birds + 1ha cropping system). Maximum permissible assistance will be restricted to 2 ha per beneficiary. (Input cost of cropping system includes seeds, fertilizer/manure, plant nutrients, plant protection chemicals and herbicides etc.)

## II) Value Addition and Resource Conservation

1) Apiculture (Bee Keeping) :

The assistance to be provided @40% of input cost limited to Rs. 800/colony of 8 frames or Rs.800/hive limited to 50 colonies/hive per beneficiary.

To implement the component "Apiculture", technical assistance can be sought from HORTICORP – the Nodal Agency for the implementation of the scheme Apiculture, without deviating from the norms of RAD.

2) Training on IFS/Resource conservation:

Training to farmers on Integrated Farming System/ resource conservation techniques can be undertaken @ Rs. 10000/- per training session for 20 participants or more.

The approved targets for the programme are furnished in Annexure-1. The Block wise/cluster wise target of activities are furnished in Annexure-2 (considering the Annual Action Plan approved by Government of India for an amount of Rs.333.33 lakh). The implementation of the scheme should be in accordance with the **approved annual action plan for 2022-23 and the funds allotted to the districts.**



**Programme Implementation:**

The Department of Agriculture will be the nodal agency and will have the overall responsibility for implementing NMSA in a mission mode at State level. Panchayati Raj Institutions (PRIs) will be actively involved in planning and implementation of NMSA. A cluster approach in a specific area is to be taken up while selecting the beneficiaries and in case individual farmers want to avail the benefits of the NMSA, the beneficiary selection process should be transparent and time bound. The beneficiary selection should be finalized at the Krishi Bhavan level in consultation with the officers concerned of the Department of Soil Survey & Soil Conservation and Department of Animal Husbandry. Besides, the name of beneficiaries and assistance given to them may be also put on the Departmental website in public domain.

**Monitoring & Evaluation:**

The scheme will be implemented on a cluster basis through the Krishibhavans of Thrissur, Kannur and Wayanad districts. The Agricultural Officers of the concerned Krishibhavans will be the implementing Officers at Panchayat level. The Assistant Director of Agriculture will monitor the scheme at Block level. At district level, Principal Agricultural Officer will co-ordinate the activities of RAD-NMSA. Deputy Director of Agriculture (WM) of District HQ should assist Principal Agricultural Officer in the implementation and monitoring of the programme. At the Directorate level, the programme will be monitored by the Additional Director of Agriculture (CP).

**Reporting System**

Principal Agricultural Officers concerned will ensure submission of Quarterly Progress Reports which should reach by the 5th of the month following each quarter to the Directorate of Agriculture for onward submission to the RFS division, Government of India. Annual Progress Report (APR) and Utilization certificate in Form GFR-12C should be submitted immediately after the end of the year in the format prescribed by Government of India. The beneficiary details with Aadhar number should be entered separately in the register maintained at Krishibhavan.

**Financial Outlay:**

The funds will be released to districts through the PFMS system. The expenditure for implementation of approved components of RAD-NMSA can be met from the budget provision available during the current year. **Submission of UC and Progress report for the utilization of 1<sup>st</sup> instalment of fund released is a pre-requisite for getting the balance funds for the scheme during the current year.**

**RADNMSA 2022-23 FUND ALLOTMENT TO DISTRICTS (Amount Rs.**

**In lakh)**

	PAO, Thrissur	PAO, Kannur	PAO, Wayanad	Total
RADNMSA (General)	26.83000	26.83000	20.84000	74.50000
RADNMSA (SCPSC)	2.728	2.728	2.12733	7.58333
RADNMSA (TSP)	0.45	0.45	0.35	1.25000
<b>Total</b>	<b>30.008</b>	<b>30.008</b>	<b>23.31733</b>	<b>83.33333</b>

sd/-  
**SUBHASH T.V. IAS**  
**DIRECTOR**

To: The Principal Agricultural Officers –Thrissur, Kannur & Wayanad

- Copy to:
- 1) TA to Director of Agriculture
  - 2) CAs to all Additional Director of Agriculture
  - 3) All JDAs at HQ / SFO/Deputy Director of Agriculture, Planning section
  - 4) IT Cell, Directorate of AD&FW for department website
  - 5) Stock File/Spare

G. ANIMON  
PEN : 515043  
Deputy Director of Agriculture(CD)  
Directorate of Agricultural Development  
and Farmers Welfare  
Vikas Bhavan, Tvpm - 33

**ANNEXURE -I**

**RAINFED AREA DEVELOPMENT- National Mission for Sustainable Agriculture :**  
**Approved Action Plan 2022-23 - Kerala State**

A. INTEGRATED FARMING SYSTEM								
S.No.	Item	Unit proposed	Eligible Unit Cost (Rs)	Quantity Proposed	Assistance Sought from NMSA (Rs. In Lakh)	Amount admissible (Rs. in lakhs)		
						Central Share (60%)	State Share (40%)	Total
A (I)	<b>Integrated Farming system</b>							
1	Cropping system 1.a. Coarse Cereal Based Cropping System	Ha	10000	11	1.100	0.660	0.440	<b>1.10</b>



2	Horticulture Based Farming System	Ha	25000	1162.68	290.670	174.402	116.268	<b>290.67</b>
3.a	Livestock Based farming System (cattle Based)	No.	40000	72	28.800	17.280	11.520	<b>28.80</b>
3.b	Goat based farming System	No.	25000	22	5.500	3.300	2.200	<b>5.25</b>
3.c	Poultry Based Farming System	No.	25000	4	1.000	0.600	0.400	<b>1.00</b>
	<b>Total A</b>				<b>327.07</b>	<b>196.24</b>	<b>130.83</b>	<b>326.82</b>
<b>A(II). Value Addition &amp; Farm Development Activities</b>								
6	Bee keeping		800	172	1.376	0.8256	0.5504	<b>1.376</b>
12	Concept of Integrated Farming, Climate change adaptation, Good agriculture practices on soil, water and crop Management: Training to farmers including field demonstrations and field visit to farmers	ha	10000	17	1.700	1.0200	0.6800	<b>1.700</b>
	<b>Total B</b>				<b>3.08</b>	<b>1.846</b>	<b>1.230</b>	<b>3.08</b>
<b>Total (A) + (B)</b>					<b>330.15</b>	<b>198.088</b>	<b>132.058</b>	<b>330.15</b>
<b>C. Administrative cost</b>					<b>3.18</b>	<b>1.908</b>	<b>1.272</b>	<b>3.18</b>
<b>Total</b>					<b>333.33</b>	<b>200.00</b>	<b>133.33</b>	<b>333.33</b>

\*Submission of UC and Progress report for the utilization of 1<sup>st</sup> installment of fund released (Rs.50.00 lakh from Govt. of India and Rs.33.33333 lakh from Govt. of Kerala) is a pre-requisite for getting the balance funds for the scheme during the current year.

## ANNEXURE- II

<b>RAD-NMSA 2022-23 Action Plan – Cluster wise Component wise details KERALA</b>							
Sl.No	Name of Cluster	Ha	No. of Beneficiaries	Estimated Cost	Toal Assistance (Rs in Lakhs)	GoI Share	GoK share
<b>Hort. Based farming System 50% max. Rs.25,000/- per Ha</b>							

1	Mangattidam	90	400	45.00	22.50	13.50	9.00
2	Chittariparamba	85	400	42.50	21.25	12.75	8.50
3	Chengalayi	60	350	30.00	15.00	9.00	6.00
4	Mayyil	100	520	50.00	25.00	15.00	10.00
5	Udayagiri	95	450	47.50	23.75	14.25	9.50
6	Mulloorkkara	50	250	25.00	12.50	7.50	5.00
7	Desamangalam	50	250	25.00	12.50	7.50	5.00
8	Erumappetty	67	750	33.50	16.75	10.05	6.70
9	Thekkumkara	95	500	47.50	23.75	14.25	9.50
10	Mundathikkode	95	500	47.50	23.75	14.25	9.50
11	Wadakkancherry	95	500	47.50	23.75	14.25	9.50
12	Thondernadu	174.16	463	87.08	43.54	26.12	17.42
13	Moopainad	106.52	400	53.26	26.63	15.98	10.65
	<b>TOTAL</b>	<b>1162.68</b>	<b>5733</b>	<b>581.34</b>	<b>290.67</b>	<b>174.402</b>	<b>116.268</b>
<b>Cereal Based Farming System 50% max. Rs.10,000/- per Ha</b>							
	Chengalayi	11	20	2.2	1.1	0.66	0.44
	<b>Total</b>	<b>11</b>	<b>20</b>	<b>2.2</b>	<b>1.1</b>	<b>0.66</b>	<b>0.44</b>
<b>Livestock based Farming System 50% max.Rs.40,000/- per Ha.</b>							
1	Chittariparamba	5	30	4	2	1.2	0.8
2	Chengalayi	20	15	16	8	4.8	3.2
3	Mulloorkkara	5	30	4	2	1.2	0.8
4	Desamangalam	5	30	4	2	1.2	0.8
5	Erumappetty	5	60	4	2	1.2	0.8
6	Thekkumkara	5	30	4	2	1.2	0.8
7	Mundathikkode	5	30	4	2	1.2	0.8
8	Wadakkancherry	5	30	4	2	1.2	0.8
9	Thondernadu	8	12	6.4	3.20	1.92	1.28
10	Moopainad	9	12	7.2	3.60	2.16	1.44
	<b>TOTAL</b>	<b>72</b>	<b>279</b>	<b>57.6</b>	<b>28.8</b>	<b>17.28</b>	<b>11.52</b>
<b>Small ruminant based Farming System50% max. 25,000/- per Ha.</b>							
1	Mangattidam	2	8	1	0.5	0.3	0.2
6	Thondernadu	10	20	5	2.5	1.5	1
7	Moopainad	10	20	5	2.50	1.5	1
	<b>TOTAL</b>	<b>22</b>	<b>48</b>	<b>11</b>	<b>5.5</b>	<b>3.3</b>	<b>2.2</b>
<b>Poultry based Farming System50% max. 25,000/- per Ha</b>							



1	Mangattidam	2	8	1	0.50	0.30	0.20
2	Chittariparamba	2	8	1	0.5	0.30	0.20
	<b>TOTAL</b>	<b>4</b>	<b>16</b>	<b>2</b>	<b>1.00</b>	<b>0.6</b>	<b>0.4</b>
<b>Apiculture 50% max. Rs.800/- per colony or hive</b>							
1	Thondernadu	20	20	0.32	0.16	0.096	0.064
2	Chittariparamba	80	80	1.28	0.64	0.384	0.256
3	Chengalayi	50	50	0.80	0.40	0.240	0.160
4	Udayagiri	22	20	0.36	0.180	0.108	0.072
	<b>TOTAL</b>	<b>172</b>	<b>170</b>	<b>2.76</b>	<b>1.38</b>	<b>0.828</b>	<b>0.552</b>
<b>Training Rs.10,000/- per session</b>							
1	Thondernadu	1 No.	50	0.20	0.10	0.06	0.04
2	Moopainad	1 No.	50	0.20	0.10	0.06	0.04
3	Chengalayi	5 No.	250	1.00	0.50	0.30	0.20
4	Udayagiri	10 No.	500	2.00	1.00	0.60	0.40
	<b>TOTAL</b>	<b>8</b>	<b>850</b>	<b>3.4</b>	<b>1.70</b>	<b>1.02</b>	<b>0.68</b>
<b>Administrative cost</b>							
1	Mangattidam				1.5	0.9	0.6
2	Chittariparamba				0.61	0.366	0.244
3	Udayagiri				0.07	0.042	0.028
4	Thondernad				0.5	0.3	0.2
5	Moopainad				0.5	0.3	0.2
	<b>Total</b>				<b>3.18</b>	<b>1.908</b>	<b>1.272</b>
	<b>GRAND TOTAL</b>	<b>1451.68</b>	<b>7116</b>	<b>660.3</b>	<b>333.33</b>	<b>200.00</b>	<b>133.33</b>

\*Submission of UC and Progress report for the utilization of 1<sup>st</sup> installment of fund released (Rs.50.00 lakh from Govt. of India and Rs.33.33333 lakh from Govt. of Kerala) is a pre-requisite for getting the balance funds for the scheme during the current year.