

**CIRCULAR**

Sub:- Agriculture Development and Farmers Welfare Department- Scheme on Development of Fruits 2020-21- Area Expansion of Fruits – Administrative sanction accorded - Working Instruction issued - reg

Ref:- 1. G.O (Rt) 506/2020/Agri dtd 09/06/2020  
 2. Minutes of the meeting held on 25/09/2020

Fruits comes under the category of protective food that supplies vitamins and minerals needed for our body and hence need to be included in our daily diet. Our state has ideal climatic conditions for cultivation of number of tropical and sub-tropical fruits.

Ethnic fruit varieties of mango, jack, banana, breadfruit, citrus, have been used from early years. High value fruit crops like Avacado, Litchi, Passion fruit, Mangosteen, Pomegranate etc which has high market value can also be cultivated in areas of favourable climatic zones.

Presently, majority of the fruits consumed in our state are being sourced from other states which are often suspected to be pesticide laden. Hence the production of fruits in the state will help in making available safe and pesticide free fruits to the consumers.

In the current Annual Plan 2020-21, an amount of ₹ 2900 lakh was earmarked for the flagship programme “Development of Fruits” under Head of Account 2401-00-119-79 with following components.

Sl.No	Component	Amount ( ₹ in lakh)
1	Production Of Planting Material	₹ 410.56
2	Development of infrastructure in Department farms	₹ 832.75
3	Area expansion of fruit plants	₹ 1656.69
	<b>TOTAL</b>	<b>₹ 2900</b>

**AREA EXPANSION OF FRUIT PLANTS**

Vide reference 1st cited Administrative sanction has been accorded for an amount of ₹ 1656.69 lakh for the component Area expansion of fruit plants. But for the implementation of this

component only ₹ 1338.17521 is available, as the balance amount has been expended as Q- bill. Area expansion programme is an integrated scheme with the MIDH scheme.

The main components of the scheme are:

Sl. No	Name of component
1	Tissue culture banana cultivation integrated with drip irrigation
2	Tissue culture banana cultivation without integration
3	Planting using banana suckers without integration
4	Planting using pineapple suckers without integration
5	Planting strawberry without integration
6	High Density planting without integration (Mango, Guava, Litchi, Jack, Pomegranate, Citrus, Apple etc)
7	Area expansion of exotic fruit tree crops like Rambutan, Litchi etc

## AIM

1. To increase the area under different fruit crops
2. To provide pesticide free fruits to the society
3. To increase the income of farmers
4. To promote the cultivation of exotic fruit varieties
5. To provide additional assistance along with MIDH fund

As per the scheme, farmers who carry out commercial farming can be financially assisted utilizing MIDH funds, **which can be supplemented through the Department budget provision.** Hence this scheme provides additional assistance to the beneficiaries along with the MIDH assistance. Since the scheme is an integrated project with MIDH scheme, the state fund will be provided according to MIDH target which is being implemented during the year 2020-21.

Vide reference 3<sup>rd</sup> cited, it was decided to provide the state fund assistance to the area proposed for the different components as per the MIDH scheme. The state fund assistance without MIDH assistance would be given for 2 components viz Tissue culture banana integrated with drip irrigation and Area expansion of exotic fruit plants as per the requirement from the districts. Accordingly the target allotted is as follows.

## Financial Outlay for Plan Fund

Sl. no	Name of component	Physical Target proposed (ha)	Rate of Assistance (in lakh)	Plan Fund (₹ in lakh)
1	Tissue culture banana cultivation integrated with drip irrigation (no MIDH fund)	20.5000	0.90	18.45000
2	Tissue culture banana cultivation without integration	121.8000	0.375000	45.67500
3	Planting using banana suckers without integration	1321.4279	0.08750	115.62494
4	Planting using pineapple suckers without integration	1023.04903	0.08750	89.51679
5	Planting strawberry without integration	1.0000	0.43750	0.43750
6	High Density planting without integration (Mango, Guava, Litchi, Jack, Pomegranate, Citrus, Apple etc)	26.0000	0.51000	13.26000
7	Area expansion of exotic fruit tree crops like Rambutan, Litchi etc (no MIDH fund)	210.0000	0.26500	55.65000
	<b>TOTAL</b>			<b>338.61423</b>

### 1. Tissue culture banana integrated with drip irrigation

For promoting Tissue culture Banana integrated with drip irrigation in an area of 20.5 ha, 30% of the total cost of cultivation per hectare ( Rs 3 lakh/ha) is given as plan fund assistance Assistance is given for meeting the sucker cost, land preparation , INM,IPM etc.

The target for the districts is as follows:

Sl. No.	Name of District	TC BANANA -WITH INTEGRATION @ Rs 90000/ha	
		Phy.(ha)	Fin. (₹ in lakh)
1	Thiruvananthapuram	0	0
2	Kollam	5	4.5
3	Pathanamthitta	0	0
4	Alappuzha	6	5.4
5	Kottayam	0	0
6	Idukki	0	0

7	Ernakulam	0	0
8	Thrissur	0	0
9	Palakkad	1	0.9
10	Malappuram	2	1.8
11	Kozhikode	0.5	0.45
12	Wayanad	6	5.4
13	Kannur	0	0
14	Kasaragod	0	0
<b>TOTAL</b>		<b>20.5</b>	<b>18.45</b>

## 2. Tissue culture banana cultivation without integration

It is targeted to implement Tissue culture banana without integration in an area of 121.8 ha for which 30% assistance of the total cost of cultivation per ha is met from MIDH scheme and additional 30% is met from the plan fund. The total subsidy amounting to 60% of the total cost of cultivation per hectare for the same beneficiary. Assistance is given for meeting the expenditure on planting material, cost of cultivation cost of INM/IPM etc.

The details of assistance proposed and district wise target are given below

Sl. No.	Name of District	TC BANANA -WITHOUT INTEGRATION @ Rs 37500/ha	
		Phy.(ha)	Fin. (₹ in lakh)
1	Thiruvananthapuram	10.5	3.93750
2	Kollam	7	2.62500
3	Pathanamthitta	8.5	3.18750
4	Alappuzha	1.5	0.56250
5	Kottayam	11.5	4.31250
6	Idukki	0	0
7	Ernakulam	10.5	3.93750
8	Thrissur	13.5	5.06250
9	Palakkad	8.5	3.18750
10	Malappuram	8.5	3.18750
11	Kozhikode	14.267	5.35012
12	Wayanad	12	4.50000
13	Kannur	9.733	3.64988
14	Kasaragod	5.8	2.17500
<b>TOTAL</b>		<b>121.8</b>	<b>45.67500</b>

### 3. Planting using banana suckers without integration

To promote banana cultivation without integration, it is targeted to implement in an area of 1321.4279 ha for which 30 % assistance of the cost of cultivation per ha is met from MIDH and an additional 10% from the plan fund, the total subsidy amounting to 40% of the total cost of cultivation per ha. Assistance is given for meeting the expenditure on planting material, cost of cultivation cost of INM/IPM etc.

The details of assistance proposed and district wise target are given below

Sl. No.	Name of District	BANANA SUCKERS -WITHOUT INTEGRATION @ Rs 8750/ha	
		Phy.(ha)	Fin. (₹ in lakh)
1	Thiruvananthapuram	76.776	6.71790
2	Kollam	77	6.73750
3	Pathanamthitta	80	7.00000
4	Alappuzha	65	5.68750
5	Kottayam	80	7.00000
6	Idukki	80	7.00000
7	Ernakulam	80	7.00000
8	Thrissur	105	9.18750
9	Palakkad	62	5.42500
10	Malappuram	321.0459	28.09152
11	Kozhikode	80	7.00000
12	Wayanad	79	6.91250
13	Kannur	80	7.00000
14	Kasaragod	55.606	4.86552
<b>TOTAL</b>		<b>1321.4279</b>	<b>115.62494</b>

### 4. Planting using pineapple suckers without integration

Pineapple will be cultivated in an area of 1023.0490 ha with 30% assistance of cost of cultivation per ha from MIDH and 10% from plan fund, with a total subsidy of 40% of total cost of cultivation per ha. Assistance is given for meeting the expenditure on planting material, cost of cultivation cost of INM/IPM etc.

The details of assistance proposed and district wise target are given below

Sl. No.	Name of District	PINEAPPLE SUCKERS -WITHOUT INTEGRATION @ Rs 8750/ha	
		Phy.(ha)	Fin. (₹ in lakh)
1	Thiruvananthapuram	15	1.31250
2	Kollam	50	4.37500
3	Pathanamthitta	90	7.87500
4	Alappuzha	0	0.00000
5	Kottayam	213.63	18.69263
6	Idukki	74	6.47500
7	Ernakulam	356	31.15000
8	Thrissur	115	10.06250
9	Palakkad	30	2.62500
10	Malappuram	33.61903	2.94166
11	Kozhikode	21	1.83750
12	Wayanad	0	0.00000
13	Kannur	6	0.52500
14	Kasaragod	18.8	1.64500
<b>TOTAL</b>		<b>1023.04903</b>	<b>89.51679</b>

#### 5. Planting strawberry without integration

Strawberry is a native of temperate region, but varieties are available which can be cultivated in sub- tropical climate. In Kerala cultivation is limited to Waynad and Idukki districts. The main aim is to popularize this high value crop as a short duration fruit crop among the small and marginal farmers.

Assistance is given for meeting the expenditure on planting material, cost of cultivation cost of INM/IPM etc.

Sl. No.	Name of District	STRAWBERRY SUCKERS -WITHOUT INTEGRATION @ Rs 43750/ha	
		Phy.(ha)	Fin. (₹ in lakh)
1	Wayanad	1	0.43750
<b>TOTAL</b>		<b>1.00000</b>	<b>0.43750</b>

#### 6. High Density planting without integration (Mango, Guava, Litchi, Jack, Pomegranate, Citrus, Apple etc)

Assistance is provided for high density planting of different fruit plants like mango, jack, guava, litchi, pomegranate, citrus, apple etc. The fruits for high density planting can be selected

based on the crops suitable for the Agro ecological zones. The main advantage of High density planting are better utilization of limited land and resources, increase in yield per unit area, Quality production of fruit crops, easy inter-cultural operations etc.

An assistance of 24% on the total cost of cultivation per ha will be met from MIDH and 51% from the plan fund, with a total subsidy limiting to 75% on the total cost of cultivation per ha. Assistance is given for meeting the expenditure on planting material, cost of cultivation cost of INM/IPM etc.

The details of assistance proposed and district wise target are given below

Sl. No.	Name of District	HIGH DENSITY PLANTING WITHOUT INTEGRATION -WITHOUT INTEGRATION @ Rs 51000/ha	
		Phy.(ha)	Fin. (₹ in lakh)
1	Thiruvananthapuram	0	0.00000
2	Kollam	0	0.00000
3	Pathanamthitta	2	1.02000
4	Alappuzha	0	0.00000
5	Kottayam	5	2.55000
6	Idukki	5	2.55000
7	Ernakulam	0	0.00000
8	Thrissur	0	0.00000
9	Palakkad	2	1.02000
10	Malappuram	0	0.00000
11	Kozhikode	12	6.12000
12	Wayanad	0	0.00000
13	Kannur	0	0.00000
14	Kasaragod	0	0.00000
<b>TOTAL</b>		<b>26.00000</b>	<b>13.26000</b>

#### 7. Area expansion of exotic fruit tree crops like Rambutan, Litchi etc

Assistance is provided for area expansion of exotic fruit plants like rambuttan, lichi etc. An assistance of 75% on the total cost of cultivation per ha will be met from the plan fund. Assistance is given for meeting the expenditure on planting material, cost of cultivation cost of INM/IPM etc.

The details of assistance proposed and district wise target are given below.

Sl. No.	Name of District	AREA EXPANSION OF EXOTIC FRUIT TREE CROPS -WITHOUT INTEGRATION @ Rs 26500/ha	
		Phy.(ha)	Fin. (₹ in lakh)
1	Thiruvananthapuram	0	0
2	Kollam	53	14.04500
3	Pathanamthitta	10	2.65000
4	Alappuzha	10	2.65000
5	Kottayam	10	2.65000
6	Idukki	10	2.65000
7	Ernakulam	25	6.62500
8	Thrissur	0	0
9	Palakkad	6	1.59000
10	Malappuram	10	2.65000
11	Kozhikode	43	11.39500
12	Wayanad	18	4.77000
13	Kannur	15	3.97500
14	Kasaragod	0	0
<b>TOTAL</b>		<b>210.00000</b>	<b>55.65000</b>

### Total Rate of Assistance

Sl. No.	Component	Cost Of Cultivation/ Ha	Assistance/H a As Per Midh Norms For 1st Year(Using Midh Fund) (rs In Lakh/Ha)	Additional Assistance/ Ha Using Dept. Budget Provision (rs In Lakh/Ha)	Total Assistance Per Ha	Target (ha)
1	Tissue culture banana cultivation integrated with drip irrigation	3.00	0	0.90000	0.90000	20.5
2	Tissue culture banana cultivation without integration	1.25	0.37500	0.37500	0.75000	121.8
3	Planting using banana suckers without integration	0.87500	0.26250	0.08750	0.35000	1321.4279
4	Planting using pineapple suckers without integration	0.875	0.26250	0.08750	0.35000	1023.04903
5	Planting strawberry without integration	1.25	0.50000	0.43750	0.93750	1

6	High Density planting without integration (Mango, Guava, Litchi, Jack, Pomegranate, Citrus, Apple etc)	1.00	0.24000	0.51000	0.75000	26
7	Area expansion of exotic fruit tree crops like Rambutan, Litchi etc	0.35350	0	0.26500	0.26500	210

District wise Physical and Financial Target is attached as Annexure -I

### Implementation

1. Plan fund assistance is given to the same beneficiaries for which MIDH assistance is given except for the component Tissue Culture Banana with integration and area expansion of exotic fruit crops for which there is no MIDH assistance.
2. Separate claims should be prepared for claiming the MIDH assistance and Plan fund assistance.
3. Monthly progress report of MIDH fund utilisation should be submitted separately to State Horticulture Mission and plan fund utilization to Directorate of Agriculture before 3<sup>rd</sup> of every month. Monthly progress report should invariably contain component wise physical and financial targets and achievements, number of beneficiaries and the stage of implementation of each component.
4. Separate Utilization Certificate should be submitted for the central and state fund.

### Monitoring and Evaluation

At the block level, the Assistant Directors of Agriculture will monitor the programme and at district level, the Deputy Director of Agriculture (H) will be the Nodal Officer for the Scheme. The Principal Agriculture Officer will be responsible for the district level scheme implementation. At the state level, the Additional Director of Agriculture (Marketing & Vegetable) will monitor and review the Scheme.

Expenditure will be debited form the Head of Account 2401-00-119-79 Plan of current years budget.

Sd/-

Director of Agriculture

*[Signature]*  
13/10/2020  
Assistant Director of Agriculture (VC)  
Directorate of Agriculture Development  
and Farmers Welfare Department  
Vikas Bhavan, Thiruvananthapuram - 33

## Annexure – 1

## AREA EXPANSION OF FRUIT PLANTS 2020-21

## PHYSICAL AND FINANCIAL TARGETS

Sl. No.	District	1. Tissue culture banana cultivation integrated with drip irrigation @ 90000/ha		2. Tissue culture banana cultivation without integration @ 37500/ha		3. Planting using banana suckers without integration @ 8750/ha		4.Planting using pineapple suckers without integration @ 8750/ha		5. Planting strawberry without integration @ 43750/ha		6.High Density planting without integration (Mango, Guava, Litchi, Jack, Pomegranate, Citrus, Apple etc) @ 51000/ha		7. Area expansion of exotic fruit tree crops like Rambutan, Litchi etc @ 26500/ha		GRAND TOTAL (in lakh)
		Phy (ha)	Fin (lakh)	Phy (ha)	Fin (lakh)	Phy (ha)	Fin (lakh)	Phy (ha)	Fin (lakh)	Phy (ha)	Fin (lakh)	Phy (ha)	Fin (lakh)	Phy (ha)	Fin (lakh)	
1	Thiruvananthapuram	0	0.00000	10.5	3.93750	76.77600	6.71790	15	1.31250			0	0.00000	0	0.00000	11.96790
2	Kollam	5	4.50000	7	2.62500	77	6.73750	50	4.37500			0	0.00000	53	14.04500	32.28250
3	Pathanamthitta	0	0.00000	8.5	3.18750	80	7.00000	90	7.87500			2	1.02000	10	2.65000	21.73250
4	Alappuzha	6	5.40000	1.5	0.56250	65	5.68750	0	0.00000			0	0.00000	10	2.65000	14.30000
5	Kottayam	0	0.00000	11.5	4.31250	80	7.00000	213.63	18.69263			5	2.55000	10	2.65000	35.20513
6	Idukki	0	0.00000	0	0.00000	80	7.00000	74	6.47500			5	2.55000	10	2.65000	18.67500
7	Ernakulam	0	0.00000	10.5	3.93750	80	7.00000	356	31.15000			0	0.00000	25	6.62500	48.71250
8	Thrissur	0	0.00000	13.5	5.06250	105	9.18750	115	10.06250			0	0.00000	0	0.00000	24.31250
9	Palakkad	1	0.90000	8.5	3.18750	62	5.42500	30	2.62500			2	1.02000	6	1.59000	14.74750
10	Malappuram	2	1.80000	8.5	3.18750	321.04590	28.09152	33.61903	2.94166			0	0.00000	10	2.65000	38.67068
11	Kozhikode	0.5	0.45000	14.267	5.35012	80	7.00000	21	1.83750	1.00	0.43750	12	6.12000	43	11.39500	32.59012
12	Wayanad	6	5.40000	12	4.50000	79	6.91250	0	0.00000			0	0.00000	18	4.77000	21.58250
13	Kannur	0	0.00000	9.733	3.64988	80	7.00000	6	0.52500			0	0.00000	15	3.97500	15.14988
14	Kasaragod	0	0.00000	5.8	2.17500	55.60600	4.86552	18.8	1.64500			0	0.00000	0	0.00000	8.68552
<b>TOTAL</b>		<b>20.5</b>	<b>18.45000</b>	<b>121.8</b>	<b>45.67500</b>	<b>1321.4279</b>	<b>115.62494</b>	<b>1023.04903</b>	<b>89.51679</b>	<b>1</b>	<b>0.43750</b>	<b>26</b>	<b>13.26000</b>	<b>210</b>	<b>55.65000</b>	<b>338.61423</b>