

Directorate of Agriculture Development and Farmers' Welfare

Vikas Bhavan, Thiruvananthapuram – 695033

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No: ADFW/3060/2022-TH2

Date:24-08-2022

CIRCULAR

Sub:- Department of Agriculture Development and Farmers' Welfare - Annual Plan 2022-23 - Scheme "Development of Fruits, Flowers and Medicinal Plants"- component Development of Fruits -Subcomponent- Development of Infrastructure in Departmental Farms-H/A 2401-00-119-79 plan -Working instructions issued - regarding.

- Ref:- 1) GO(Rt) No. 723/2022 Agri (Planning B) Dated: 09.08.2022.
2) Letter No. ADFW/4346/2022-TP2 dated: 30.05.2022 from the Director, Agriculture Development & Farmers Welfare Department, Thiruvananthapuram
3) Minutes of the Special Working Group meeting held on 13.07.2022.

Government of Kerala vide Order reference cited as (1) above, have accorded administrative sanction for the scheme "Development of Fruits, Flowers and Medicinal Plants" for an amount of Rs. 1892 lakh (Rupees One thousand eight hundred and ninety two lakhs) under the head of account 2401-00-119-79-Plan. Out of this Rs.350 lakh is earmarked for the sub component - Development of infrastructure in Departmental Farms.

A massive programme "One crore fruit plants" phased for a period of 10 years for the development of fruit sector in the state was launched in the year 2020-21. "Distribution Of One Crore Fruit Planting Materials", is one of the major components of the scheme 'Development of Fruits, Flowers & Medicinal Plants'. The main objective of fruit development scheme is to expand the area under fruit cultivation in the state including indigenous and exotic fruit varieties. The planting materials of the scheme 'Distribution of One Crore Fruit Plants'

will be issued as grafts, layers, seedlings, suckers and tissue culture plants in a campaign mode as part of the ongoing 'Njangalum Krishiyilekku' programme of the Department of Agriculture. The major varieties included are Mango, Jack, Pomegranate, Guava, Sapota, Rambutan, Avacado, Mangostein, Jamun, Bread Fruit, Nelli (gooseberry), Garcinia, Jamba Varieties, Lemon Varieties, West Indian Cherry, Litchi, Lovilovi, Pulasan, Durian, Dragon Fruit, Passion Fruit, Anona/Custard Apple/Mullatha, Bilumbi, Papaya, Muringa, Curry Leaf, Miracle Fruit, Carombola, Baraba, Egg Fruit, Peanut Butter Plant, Banana Varieties, TC banana, Wood Apple etc. Grafts, layers, TC bananas will be distributed at 75% subsidy (25% beneficiary contribution) and seedlings, suckers will be issued free of cost. Departmental farms are the major producers of quality planting materials of fruits plants under Government Sector.

The production capacity of farms has to be increased to the maximum to reduce the dependence of other agencies for planting materials. This require development of infrastructure facilities including high-tech production methods.

The proposed activities for the Development of infrastructure in Departmental Farms are,

Sl No.	Components	Amount (Rs in Lakh)
1	Construction and Maintenance of Polyhouses, RainShelters, Hardening Units, etc & Providing Irrigation Facilities in Departmental Farms	100
2	Production Cost of Seedlings	200
3	Expansion of Progeny Orchards of Exotic Fruit plants	20
4	Ultra High density Plantation (UHDP) of Mango in Departmental Farms	30
5	Total	350

a. Construction and maintenance of polyhouses, rainshelter, hardening units etc and providing irrigation facilities in Departmental farms – Rs.100.00 lakh

Plant growing structures like mist chamber, polyhouse, shade net facility, rain shelter etc. are required for the production of quality planting materials of major fruit crops. These structures ensure better root growth, bud graft union, hardening and high success rate in plant multiplication. Irrigation resource is an important prerequisite necessary for the production of planting materials. An amount of Rs.100.00 lakh is earmarked for the construction and urgent repair of plant propagation structures, and for creating and improving the irrigation facilities of farms.

Detailed estimate for individual works of selected farms should be prepared and technical sanction obtained for them. The list of items/works selected should be forwarded to this office. The DDA(YP) should co-ordinate the works in the districts. The farm officers should prepare the proposals as per the requirement of implementation of the scheme components. The technical committee constituted at district level with Assistant executive Engineer(Agri) as member should facilitate the implementation of the components.

b. Production cost of seedlings – Rs.200.00 lakh

An amount of Rs.200.00 lakh has been set apart for meeting the production cost of quality planting materials of fruit plants which are suitable for the agro ecological units of Kerala. Improved methods of propagation like bud grafting, epicotyl/Stone grafting, approach grafting, layering etc are to be carried out by providing adequate training to the farm labourers or outsourcing these activities for the production of quality planting materials. The amount earmarked shall be utilised for meeting the input cost, management cost and all other expenses in

connection with the production of planting materials in Departmental farms. The district wise production target of planting materials for distribution under 'One crore fruit plant distribution programme is given as annexure-I

Action shall be taken at the farm level to produce maximum number of improved planting materials viz layers, grafts, bud grafts etc. The existing progeny orchards and mother gardens should be fully utilised to assure the supply of buds/scion requirement/layering purpose for the production of maximum number of quality planting materials of fruit plants to the farmers. The tissue culture lab facilities at DAF Anchal and DAF Thaliparamba should be fully utilised for the production of TC banana. The Departmental farms shall also collect Tissue culture banana plantlets from BMFC kazhakkuttam and hardened for distribution

c. Expansion of Progeny Orchards of exotic fruit plants @ Rs.5 lakh/ha– Rs.20.00 lakh

In order to assure the supply of maximum number of quality planting materials of exotic fruits plants in the coming years, the area under progeny orchards or mother gardens need to be increased. An amount of Rs. 20 lakh is earmarked for establishing progeny orchards of exotic fruit plants in 4 ha area of Departmental farms. The allotted funds shall be utilised for land clearing, land development activities, modern irrigation facilities, manuring, plant protection, purchase of planting materials, inputs etc. in connection with the area expansion of progeny orchards in departmental farms. Purchase of planting materials is to be done from approved sources. Microirrigation system should be adopted. This should be ensured by Principal Agricultural Officers with the help of Engineering Division of the Department. The full cost proposed for the establishment of progeny orchards in one hectre is Rs. 5 lakhs.

District	Area for the Establishment of Progeny Orchard (Ha)	Amount allotted to PAOs (Rs. in lakh)
Thiruvananthapuram	0.2	1.0
Kollam	0.1	0.5
Alappuzha	0.5	2.5
Pathanamthitta	0.5	2.5
Kottayam	0.1	0.5
Idukki	0.3	1.5
Ernakulam	0.1	0.5
Thrissur	0.5	2.5
Palakkad	1.0	5.0
Malappuram	0.2	1.0
kozhikkode	0.3	1.5
Kannur	0.1	0.5
Kasaragodu	0.1	0.5
Total	4.0	20

d. Ultra High Density Plantation (UHDP) of mango in Departmental farms– Rs.30.00 lakh

Ultra High Density Plantation (UHDP) is a new and proven technology commonly practiced for mango cultivation worldwide. Combined with other sustainable agricultural techniques, it has the potential to yield 200% more than by the traditional method. The UHDP mango plantation is a technique which has utilized all the resources optionally and thus increasing the production per unit area. UHDP ensures export quality of mango fruits by maintaining uniformity in colour, shape, flavour and freshness. The meadow orchard is a modern method of fruit cultivation using small or dwarf tree with modified canopy. The desired mango varieties are planted close to each other. The plant population will be nearly 700 trees/acre instead of the traditional plant population of 60 trees/acre.

Proper drip irrigation with fertigation facilities are required for maintaining the orchard. An amount of Rs.10.00 lakh/ha is set apart for establishing high density plantations of mango in Departmental farms. This amount can be utilised for land preparation, cost of planting materials, cost of other inputs, pruning requirements and all other expenses in connection with the establishment of high density plantations. These HDP plots should be established as demonstration units for farmers. An amount of Rs.30 lakh is set apart for establishing High Density Plantations of mango in Departmental farms. Suitable farms should be selected at district level and details communicated to this office.

District	Area for the Establishment of Progeny Orchard (Ha)	Amount allotted to PAOs (Rs. in lakh)
Thiruvananthapuram	0.1	1.0
Kollam	0.2	2.0
Alappuzha	0.2	2.0
Kottayam	0.2	2.0
Idukki	0.2	2.0
Ernakulam	0.2	2.0
Thrissur	0.2	2.0
Palakkad	1.0	10.0
Malappuram	0.2	2.0
kozhikkode	0.2	2.0
Kannur	0.2	2.0
Kasaragodu	0.1	1.0
Total	3.0	30.0

District Wise Allocation of funds under the Component 'Development of Infrastructure in Departmental Farms. H/A 2401-00-119-79-Plan

(Rs. in lakhs)

District	Construction & maintenance of poly houses, rain shelter, Irrigation etc.	Production Cost of Seedlings	Expansion of Propagatory Orchards of exotic fruit plants @ Rs. 5 lakh/ha	UHDP of Mango @ Rs. 10 lakh/ha	Components	
					Total Cost	AEU
Trivandrum	5.0	8.0	1.0	1.0	15	1,14
Kollam	10	9.0	0.5	2.0	21.5	3,9,2
Alappuzha	9.5	15.0	2.5	2.0	29.0	3
Pathanamthitta	4.5	25.0	2.5	-	32.0	9
Kottayam	13.0	8.0	0.5	2.0	23.5	9
Idukky	3.5	12.0	1.5	2.0	19.0	12,16
Ernakulam	6.0	10.0	0.5	2.0	18.5	9,12
Thrissur	10.0	12.0	2.5	2.0	26.5	2,6,10,14,15
Palakkad	27.0	45.0	5.0	10.0	87.0	10,13,14,22,23
Malappuram	4.5	25.0	1.0	2.0	32.5	2,11,15
Kozhikkode	4.0	7.0	1.5	2.0	14.5	2,11,15
Kannur	2.5	12.0	0.5	2.0	17.0	2,11
Kasaragod	0.5	12.0	0.5	1.0	14.0	2,11
Total	100	200	20	30	350	

General Instructions

1. Farm Officers should prepare additional forecast for this scheme or modify the existing forecast of expenditure as the case may be.
2. Farm Officers should assess the requirement of inputs and other items required for the production of targeted number of planting materials, well in advance.
3. Store purchase rules shall be strictly adhered to.
4. Tender/E-tender and other stipulated formalities shall be followed where ever necessary.

Monitoring

Deputy Director of Agriculture (YP) is in charge of the scheme at district level DDA(YP) should inspect all the farms in the district at least once in a month and monitor the activities of the scheme. The Principal Agricultural Officer of the district should monitor and review all the components of scheme in each month. It should be ensured that all the inputs are available in time for the production of quality planting materials, out put and outcome of the scheme, mode of implementation ,period of completion and the deliverables of the scheme should be closely monitored by the PAO. In case of erring officers, appropriate actions should be initiated/recommended to higher officials at state level.

Additional Director of Agriculture (Farms) will monitor the scheme at state level. The Principal Agricultural Officer should send weekly report of the programme to agrifarmsth@gmail.com. Monthly progress reports pertaining to the scheme should invariably contain component wise physical and financial targets and the stage of implementation of the programme should be brought to the notice of Additional Director of Agriculture (Farms) or Joint Director of

Agriculture (Farms) and get it cleared then and there itself. The scheme shall be implemented by abiding the terms and conditions stipulated in the Government Order cited as reference.

The expenditure towards the implementation of the scheme will be met from the amount earmarked for the scheme 'Development of Fruits' under the H/A 2401-00-119-79 Plan.

Yours faithfully,

Sd/-

SUBHASH T.V. IAS
DIRECTOR

To:

All Principal Agricultural Officers
(Except Wayanad)

Copy to:

All Additional Director of Agriculture

All Joint Director of Agriculture

Planning Section/ TA to DA

SW Section for updating PlanSpace

DDA, IT Cell for publishing in the Website

Stock file/Spare

Sd/-
Joint Director of Agriculture (Farms)
Directorate of Agriculture Development
& Farmer's Welfare Department
Vikas Bhavan, TVPM - 33

One Crore Fruit Plants for Distribution 2022-23

Farm wise Target for Production & Distribution

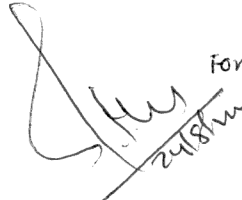
Sl. No.	Name of District	Name of Institution	Grafts	Layers	Seedlings	T C plants	Suckers	Total
	Thiruvananthapuram	CN Kazhakkuttam	2000	0	15000	1000	0	18000
		CN Valiathura	2000	0	15000	1000	0	18000
		SSF Ulloor	1000	0	25000	5000	2000	33000
		SSFChirayinkeezh		0	25000	6000	0	31000
		DAF Perigamala	40000	10000	125000	10000	2000	187000
		BN Peringamala	40000	10000	100000	7000	5000	162000
		Total	85000	20000	305000	30000	9000	449000
	Kollam	DAF Anchal	30000	15000	100000	70000	1000	216000
		CN Karunagappalli	2500	0	20000	10000	0	32500
		CF Kottarakkara	2500	0	25000	10000	0	37500
		SSF Kottarakkara	0	0	25000		0	25000
		SSF Kadakkal	2500	0	25000	5000	0	32500
		Total	37500	15000	195000	95000	1000	343500

Sl. No.	Name of District	Name of Institution	Grafts	Layers	Seedlings	T C plants	Suckers	Total
	Pathanamthitta	SSF Adoor	5000	0	30000	5000	0	40000
		SSF Pullad	5000	0	30000	5000	0	40000
		SCF Pandalam	5000	0	75000	15000	0	95000
		Total	15000	0	135000	25000	0	175000
	Alappuzha	SSF Veeyapuram	1000	0	20000	0	0	21000
		Ssf Arunnottimangalam	5000	0	50000	5000	0	60000
		DAF Mavelikkara	70000	25000	130000	10000	2000	237000
		Total	76000	25000	200000	15000	2000	318000
	Kottayam	DAF Kozha	35000	18000	130000	10000	1000	194000
		SSF kozha	2000	0	48500	5000	0	55500
		SSF Valachira	5000	0	50000	5000	0	60000
		Total	42000	18000	228500	20000	1000	309500
	Idukki	DAF Arikuzha	30000	15000	150000	5000	0	200000
		SVF Vandiperiyar	20000	1000	100000	5000	0	126000
		Ssf Karimannur	2500	0	25000	2000	0	29500
		Total	52500	16000	275000	12000	0	355500

Sl. No.	Name of District	Name of Institution	Grafts	Layers	Seedlings	T C plants	Suckers	Total
	Ernakulam	SSF Aluva	0	0	20000	0	0	20000
		SSF Okkal	5000	0	50000	5000	0	60000
		CN Vytila	0	0	25000	5000	0	30000
		DAFNeriamangalam	55000	15000	130000	10000	2000	212000
		Total	60000	15000	225000	20000	2000	322000
	Thrissur	DAF, Chelakkara	20000	5000	150000	5000	0	180000
		SSF, Kodassery	4000	0	30000	2000	0	36000
		SSF, Edathiruthy	4000	0	30000	2000	0	36000
		SSF, Nadavarambu	4000	0	30000	2000	0	36000
		SSF, Mannuthy	5000	2000	50000	2000	0	59000
		SSF, Pananchery	5000	2000	50000	2000	0	59000
		SSF, Pazhayannur	5000	0	50000	2000	0	57000
		CN, Irinjalakuda	0	0	5000	0	0	5000
		MHF, Kannara	6000	1000	50000	5000	0	62000
		Total	53000	10000	445000	22000	0	530000

Sl. No.	Name of District	Name of Institution	Grafts	Layers	Seedlings	T C plants	Suckers	Total
	Palakkad	State Seed Farm Ananganadi	3000	0	30000	2000	0	35000
		Central Orchard Pattambi	5500	0	50000	2000	0	57500
		State Seed Farm Alathur	3000	0	30000	2000	0	35000
		State Seed Farm Kongad	3000	0	30000	2000	0	35000
		State Seed Farm Muthalamada	3000	0	50000	2000	0	55000
		HD Farm Malampuzha	35000	10000	100000	2000	1000	148000
		State Seed Farm Kunnannur	3000	0	30000	2000	0	35000
		Orange and vegetable Farm, Nelliampathy	5000	10000	75000	0	0	90000
		ISDF Eruthempathy	20000	10000	100000	5000	0	135000
		Total	80500	30000	495000	19000	1000	625500
	Malappuram	SSF Anakkayam	5000	0	50000	0	2000	57000
		SGC Munderi	70000	15000	150000	7000	2000	244000
		SSF Thavanur	3000	0	25000	0	2000	30000
		DAF Chungathara	30000	7500	100000	5000	0	142500
		SSF Chokkad	2500	0	20000	2000	0	24500
		CN Parappanangadi	0	0	5000	0	0	5000
		Total	110500	22500	350000	14000	6000	503000

Sl. No.	Name of District	Name of Institution	Grafts	Layers	Seedlings	T C plants	Suckers	Total	
	Kozhikkod	SSF Puduppadi	2000	0	25000	0	0	27000	
		DAF Koothali	20000	5000	130000	8000	1500	164500	
		CN Thikkodi	500	500	5000	0	0	6000	
		SSF Perambra	2000	0	25000	0	0	27000	
		Total	24500	5500	185000	8000	1500	224500	
	Kannur	CN Palayad	0	0	20000	0	0	20000	
		TXD Chalod	4000	0	25000	0	0	29000	
		SSF Vengad	4500	0	25000	0	0	29500	
		SSF Kankol	5000	0	25000	0	0	30000	
		DAF Thaliparamba	60000	30000	150000	150000	0	390000	
		Total	73500	30000	245000	150000	0	498500	
	Kasaragod	CPO Adur & Galimugha	20000	0	50000	10000	0	80000	
		SSF Pullur	3000	0	25000	5000	0	33000	
		SSF Kasargod	3000	0	25000	5000	0	33000	
		Total	26000	0	100000	20000	0	146000	
	ABSTRACT			Grafts	Layers	Seedlings	T C plants	Suckers	Total
			Dept. Farms	736000	207000	3383500	450000	23500	4800000

For Director of Agriculture

Joint Director of Agriculture (Farms)
 Directorate of Agriculture Development
 & Farmer's Welfare Department
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