

**PROCEEDINGS OF THE DIRECTOR OF AGRICULTURE , DIRECTORATE
OF AGRICULTURE DEVELOPMENT AND FARMERS' WELFARE,
VIKAS BHAVAN, THIRUVANANTHAPURAM**

(Present : P.S.Radhamony)

Sub: Annual Plan 2018-19 – Scheme for **Production and Distribution of Quality Planting Materials** – Continuous Administrative Sanction accorded– orders issued- reg: .

Read: 1) G.O.(Rt)No. 803/2017/AD dated.19.08.2017
2) Annual Plan 2018-19

Order No. TP(2) 7460/2018

Dated:26.04.2018

Government of Kerala, vide order read 1st above accorded Administrative sanction for the implementation of the scheme, “Production and Distribution of Quality Planting Materials” during 2017-18 for an amount of Rs.2100.00 lakhs; Rs.1340.00 lakhs under head of account 2401-00-104-91(P) and Rs.760.00 lakhs under head of account 4401-00-104-98(P) .

As per the Annual Plan 2018-19 the scheme is proposed to be continued during the current financial year with a budget allocation of Rs.2300.00 lakhs; Rs.1690.00 lakhs under head of account 2401-00-104-91(P) and Rs.610.00 lakhs under head of account 4401-00-104-98(P). An abstract of the details is furnished below.

Sl. No.	Components	Amount (Rs in lakhs)	
		2401-00-104-91	4401-00-104-98
1	Operation support to demonstration units of HTF units already established	25.00	
2	Manpower support to Tissue Culture (TC) labs	15.00	
3	Kerasamrudhi	250.00	
4	Planting material production through VFPCK	150.00	
5	Establishment of model demonstration plots of high yielding dwarf coconut varieties, exotic fruit plants etc. in DAFs & Special farms	100.00	
6	Promotion of Integrated farming System in potential department farms	200.00	

7	Routine planting material production including rooted pepper cuttings	650.00	
8	Seed production programme in State Seed Farms	200.00	
9	Maintenance of progeny orchards & establishing new progeny orchards	100.00	
10	Mechanisation in special farms		300.00
11.	Infrastructure development works for augmenting production		310.00
	TOTAL	1690.00	610.00

Of the above, the components 4) Planting material production through VFPCCK (Rs.150.00 lakhs) and 8) Seed production Programme in State Seed Farms (Rs 200.00 lakhs) shall be implemented after obtaining Administrative sanction from Government. The remaining components worth Rs.1950.00 will be continued during the current financial year abiding by the norms and conditions of the Government order read above. Detailed programme is furnished below.

1. Operational Support and Technology Support through Human Resource Group to Hi-Tech Farming Demonstration Units (Rs. 25.00 lakhs)

The scheme mainly aims at the transformation of departmental farms to model market oriented, agricultural units. Hi Tech Farming (HTF) units have been established in 9 departmental farms with the support of State Horticulture Mission. It is proposed to implement the component 'Operational and Technology Support to demonstration units for HTF units through Human Resource Group.

Objectives

1. To sustain the already established protected cultivation units in the departmental farms successfully by providing all the required inputs, human resource support and marketing support.
2. To appoint technical staff both offices and technical assistants on contract basis to manage the protected cultivated units effectively.
3. To impart training to the newly appointed technical staff and the technocrats of the department on the latest technologies in the field of Hi-tech Agriculture.

High Tech farming (HTF) units have been established in the following departmental farms with the support of State Horticulture Mission.

1. Coconut Nursery, Kazhakuttom
2. Sugarcane Seed Farm, Pandalam
3. District Agricultural Farm (DAF), Mavelikkara
4. District Agricultural Farm (DAF), Kozha, Kottayam
5. State Vegetable Farm (SVF), Vandiperiyar
6. Model Horticultural Farm (MHF), Kannara, Thrissur
7. Orange & Vegetable Farm, Nelliampathy
8. District Agricultural Farm (DAF), Taliparamba
9. State Seed Farm (SSF), Pulloor periya, Kasaragode

The following activities are proposed for the implementation of this project.

a) Supply of inputs and adoption of agronomic practices.

It is estimated that an amount of Rs.200 /sq.m is required towards the cost of cultivation including the cost of media/media preparation, planting materials, cost of other inputs, cost of cultural operation up to harvest etc. These expenses are to be provided to the concerned departmental farms to ensure flawless adoption of technologies for polyhouses. The total area of demonstration units of the departmental farms is 4000 sq.m. and an amount of **Rs. 8.00 Lakhs @ Rs.200/sq.m.** is earmarked for this purpose.

b) Contract appointment of technical staff

The protected cultivation demonstration units require close observation and quick remedial measures for the problems that can arise at any time. So an officer with Bsc (Ag) qualification @ Rs. 25000/- per month and an Agriculture Assistant with VHSE (Agri) qualification / retired Agriculture Assistant @Rs.10000 per month will be appointed on contract basis exclusively for supervising/carrying out of routine activities effectively in each demonstration unit. Under this component funds provided for remuneration to contract technical staff is for 8 months only. The total amount earmarked for the contract appointment of technical staff is **Rs.16.00 lakhs.**

c) Trainings

Training (within State) to technical staff of the Department of agriculture involved in Hi-tech Farming is an important component of this scheme. The training programs will be conducted by SAMETI. Eminent personalities in the field of Hi-tech agriculture will be invited for imparting training. It is proposed to conduct 4 days training to 36 participants @ Rs. 1000 per participants /day. Training should also be given to the newly appointed contract staff and farm officers where the demonstration units were established. An amount of **Rs. 1.00 lakh** is earmarked for this component.

Abstract of the component is furnished below.

Sl. No.	Component	Amount allotted (Rs. In lakhs)
a.	Supply of inputs and adoption of agronomic practices	8.00
b	Contact appointment of technical staff	16.00
c	Training	1.00
	TOTAL	25.00

An amount of **Rs.25.00 lakhs** is set apart for this component.

2) Manpower Support to Tissue Culture Labs at DAF Taliparamba Kannur, DAF Anchal Kollam & BMFC Kazhakuttom Thiruvananthapuram (Rs.15.00 lakhs)

Manpower support will be provided to the 3 existing tissue culture laboratories under the department at BMFC Kazhakuttam, District Agricultural Farm, Anchal & District Agricultural Farm, Taliparamba. Additional manpower support is provided for the full utilization of the production capacity of these three tissue culture labs.

a) Tissue Culture Lab – DAF, Taliparamba, Kannur

The targeted production for 2018-19 is 4 lakhs nos of tissue culture plant lets. The tissue culture plant lets of Nendran and Grandnine varieties is to be produced for distribution to farmers. The service of 6 tissue culture technicians will be provided additionally for undertaking the skilled works of the lab. The average remuneration of each tissue culture technician is Rs. 9000/- per month and the expected expenditure per month is Rs. 0.54 lakhs. Thus the total expenditure comes to **Rs. 4.86 lakhs** for 9 months.

b) Tissue Culture Lab – DAF, Anchal

The present annual production is 2 lakh numbers of tissue culture plantlets. The targeted production of tissue culture plantlets for 2018-19 is 3 lakhs with the additional provision mentioned below. The additional manpower required for the full capacity utilization of the lab is 7 tissue culture technicians, one scientist, one electrician-cum -A/C Mechanic and one housekeeper for maintaining the lab.

i. Scientist

One scientist will be posted to solve the technical problems that will periodically arise in the laboratory. The subculture stage, the sub culture media, concentration of hormones etc should be supervised by the scientist. A person having BSc (Agri) / MSc Biotechnology with minimum 5 years experience in tissue culturing of banana is to be engaged as scientist on a consolidated pay of Rs. 30000/- per month. Planning,

supervision and monitoring of all the activities in the lab is will be done by the Scientist. The service of the scientist is proposed for two months and is for the critical periods of production process for the technical guidance.

ii. Tissue Culture technicians

In order to overcome the shortages of tissue culture technician to assist the TC subculture work, media preparation, hardening etc., 7 tissue culture Technicians having VHSE (Agri)/ +2 pass with Biology and having 6 months experience in TC Lab is appointed in a consolidated salary of Rs. 9000/month.

iii. Electrician cum A/c Mechanic

Maintenance of electrical equipments in the lab and maintenance of A/c unit etc. is to be done by the Electrician cum A/C Mechanic. A consolidated pay of Rs. 9000/- per month will be provided to him.

iv. House Keeper

The duties of the house keeper is to maintain the cleanliness of the lab, utensils and lab cloths etc, person with VHSE (Agri) +2 pass is to be engaged with a consolidated pay of 9000/- per month.

Abstract of DAF Anchal is as follows.

Sl. No.	Category	Rate (Rs/ month)	No. of months	Total Amount (Rs in lakhs)
1	Scientist – 1 No.	30000	2	0.60
2	TC Technicians – 7 Nos	9000	3	1.89
3	Electrician/ AC Mechanic - 1 No.	9000	3	0.27
4	House Keeper - 1 No.	9000	3	0.27
	Total			3.03 (rounded to 3.00)

c) Biotechnology & Model Floriculture Centre, Kazhakkottam

It is targeted to produce 13.50 lakhs tissue culture plantlets during 2018-19 for which additional manpower (Tissue culture technicians) of 2040 man days will be provided @ Rs.350/manday. An amount of **Rs.7.14 lakhs** is set apart for the purpose. The remaining portion of the labour requirement can be met from the funds of other

plan schemes. The required manpower to the lab may be made available by engaging persons on contract basis or on consolidated remuneration.

The total financial allocation for meeting the manpower requirement of the 3 Tissue Culture laboratories is summarized below.

Sl. No.	Name of TC Lab	Amount (Rs. In Lakhs)
1	Tissue culture Lab at DAF, Taliparamba	4.86
2	Tissue culture Lab at DAF, Anchal	3.00
3	Biotechnology & Model Floriculture Centre, Kazhakuttom	7.14
Total		15.00

3) Kerasamrudhi (Rs.250.00 lakhs)

The component 'Kerasamrudhi' aims at production of semi tall/dwarf varieties of coconut to cover at least 25% area under cultivation of dwarf varieties of coconut that is fit for both culinary purpose and oil extraction. This is needed to overcome the difficulties faced by cultivators in the harvesting of nuts, especially due to labour shortage. Enhanced production and productivity is also aimed.

The objectives of the programme are enlisted below

- To bring 25% area under cultivation of dwarf varieties of coconut that is fit for both culinary purpose and oil extraction.
- To bring 10% area under cultivation of hybrid varieties of coconut.
- To raise mother gardens of promising dwarf coconut palms in 50 ha in selected departmental farms for seed nut production.
- To raise germplasm of promising dwarf palms in 10 ha in selected department farms for hybridization programme.
- To generate skilled labour for hybridization programme.
- To supply WCT coconut seedlings to meet the existing demand.
- To increase the production and productivity of coconut in the State.

An amount of **Rs. 250.00 lakhs** has been proposed for the implementation of the scheme – Kerasamrudhi during 2018-19. The following components are proposed for the same.

a) Procurement of dwarf seed nuts (Rs.3.60 lakhs)

After the harvest of the day is over, the Agricultural Assistants should physically verify the total number of nuts recorded in the field note book. This must tally in all the cases. The Agricultural Assistants should post their entries in the mother palm register

maintained in the office on the same day itself. Under no circumstances this should be postponed. Over writing or erasing should not be made both in the field note book and in the mother palm registers.

Care should be taken in the selection of good quality seed nuts. Only fully matured, medium sized will be selected. Fruit weight should be more than 400 g and spherical or oblong in size and shape. Undersized and oversized nuts should be rejected at the time of inspection of harvest and also while loading the seed nuts in Lorries for despatch.

As soon as the nuts are selected, the same should be sealed using sealing hammers on the entire segment at the distal end of the nuts. Seed nuts without sealing should not be taken for sowing and the same will be rejected and returned. In case the seed nuts are to be rejected the sealing should be cancelled by sealing cross wise over the seal already marked.

Harvesting of seed nuts by farmers will be done under the direct supervision of Agricultural Assistants in Krishi Bhavans and selected nuts should be sealed and stored as per the procedure at one point. The Agricultural Officers/ Agricultural Field Officers should monitor the programme at Panchayat/Municipality/Corporation level and inform the progress to the Assistant Director of Agriculture concerned. The Dwarf coconut seed nuts thus harvested will be procured from farmers @ Rs. 45/- per nut. Proper registers and records must be kept at the Krishi Bhavans in connection with the procurement of seed nuts and payment of seed nut cost to farmers.

Since the seed nuts need to be sown within 15- 20 days, it shall be ensured that the dwarf seed nuts procured reach the Coconut Nurseries/Farms where the nuts are to be sown within this time limit. The Staff at Krishi Bhavan/ Assistant Director of Agriculture/ Farm Officers/ Deputy Director of Agriculture should be vigilant on this aspect at appropriate level. Transportation cost will also be provided for seed procurement based on store purchase rules.

An amount of **Rs. 3.60 lakhs** is earmarked for procurement of **8000 no.s** of dwarf seed nuts @ Rs.45/- per seed nut.

Procurement will be done at selected centres under the Department of Agriculture, viz. Model Hybridization Centre, Chalode -Kannur, Chavakkadu - Thrissur, and Seed Garden Complex, Munderi – Malappuram.

b) Procurement of hybrid seed nuts (Rs.60.00 lakhs)

During 2018-19, hybridization activities were carried out in superior dwarf coconut mother palms identified in farmer's field for the production of hybrid seed nuts. It is expected that approximately **1.20 lakh nos.** of hybrid seed nuts are expected to be

available for procurement during 2018-19. An amount of **Rs.60.00 lakhs** is set apart for this purpose. The Agricultural Officers at Krishi Bhavan will procure the quality Hybrid seed nuts as per the as per the guidelines given in the Package of Practices, Kerala Agricultural University/Manual for Coconut Nurseries from the palms already hybridized in farmer's field @Rs.50 per hybrid seed nut.

Procurement will be done at selected centres under the Department of Agriculture, viz. Model Hybridization Centre, Chalode - Kannur, Chavakkadu - Thrissur, and Seed Garden Complex, Munderi - Malappuram from Kannur, Kozhikode, Thrissur, and Malappuram.

c) Procurement of WCT seed nuts (Rs.135.00 lakhs)

Considering the longevity of tall coconut palms, yield, quantity and high oil content, there is constant demand among the farmers for WCT coconut seedlings. Moreover, the Department of Agriculture has been producing and distributing quality tall coconut seedlings every year as a part of its routine activities. During the year 2018-19, It is proposed to procure **3.00 lakh nos.** of WCT seed nuts from disease free areas for raising seedlings in coconut nurseries and farms under the department for production and distribution of quality seedlings. The cost of one WCT coconut seed nut is Rs.45/-. An amount of **Rs. 135.00 lakhs** is set apart towards the cost of WCT seed nuts.

Procurement will be done at selected centres under the Department of Agriculture, viz. Seed Procurement Unit, Vadakara (Kozhikode), Model Hybridization Centre, Chalode (Kannur), Model Hybridization Centre, Chavakkadu (Thrissur) and Seed Garden Complex, Munderi (Malappuram).

d) Raising germplasm of dwarf coconut palms in selected department farms (Rs.0.50 lakhs)

In order to ensure the availability of various promising DxT coconut hybrids in adequate numbers in future, it is proposed to raise a germplasm of different dwarf coconut varieties in 1.25 ha (250 nos.) in selected department farms for utilization in hybridization programme. Dwarf coconut seedlings procured from authentic sources like the CPCRI, KAU, other State Agricultural Universities and other reliable sources will be utilized for the programme. An amount of Rs.0.50 lakh is proposed for this purpose @ Rs.200/- per seedling. The Principal Agricultural officers will select the farms for raising the germplasm and report.

e) Undertaking hybridization in dwarf coconut palms for DxT Hybrid Seedling production (Rs.4.50 lakhs)

Hybrid coconut seedlings have a crucial role in stepping up the production and productivity of the crop in the State as they are capable of breaking the yield barrier in

productivity. They are both high yielding and early bearing and grownup to medium stature. It is proposed to undertake hybridization activities in **300 numbers** of dwarf coconut palms identified in the State for procurement of hybrid seed nuts.

Hybridization is proposed to be carried in hybridization centres under Department of Agriculture, viz. Model Hybridization Centre, Chalode, Model Hybridization Centre, Chavakkadu and Seed Garden Complex, Munderi. An amount of **Rs.4.50 lakhs @ Rs.1500/palm** is set apart for this purpose.

f) Transportation Charges of seednuts and seedlings (Rs.7.40 lakhs)

Transportation of coconut seed nuts and seedlings from essential part of the programme. An amount of **Rs. 7.40 lakhs** is set apart for this purpose.

g) Miscellaneous expenses

An amount of **Rs. 6.00 lakhs** is set apart for meeting the miscellaneous expenses related to pollination, preparing inventory etc.

Supervision

All the palms selected under the programme should be periodically inspected by both Agricultural Officers and Agricultural Assistants. The Assistant Director of Agriculture at block level should closely watch the implementation of the programme and should ensure that a minimum of 10% of the plots are inspected by them. Deputy Director of Agriculture (YP) in charge of the scheme at District level should inspect 5% of the plots. The Principal Agricultural Officers of the districts should visit at least 1% of the gardens/plots. It should be ensured that the palms are selected according to the guidelines specified. In the case of erring officers, appropriate actions should be initiated/recommended to higher officials at state level.

Additional Director of Agriculture (Marketing) is monitoring the scheme at state level. The Principal Agricultural Officers should submit fortnightly report of the programme to the Additional Director of Agriculture (Marketing) in his name cover. Any difficulties or bottle necks in the implementation of the programme should be brought to the notice of the Director of Agriculture or Additional Director of Agriculture (Marketing) or Joint Director of Agriculture (Farms) and get it cleared then and there.

An expert committee of Director of Agriculture, Chief, Planning Board, a representative of CPCRI and KAU, Shri.R.Hali, Former Director of Agriculture, Dr. Naik, KAU and a seasoned Farmer will scrutinize the implementation of the scheme. Abstract of the programme is also enclosed.

The expenditure towards the implementation of the scheme will be met from **Rs.250.00 lakhs** earmarked for the component 'Kerasamrudhi'

Abstract of the component– Kerasamrudhi

Sl. No	Sub components	Target	
		Physical	Financial (Rs in lakhs)
a	Procurement of dwarf seed nuts @Rs.45 per seed nut	8000 no.s	3.60
b	Procurement of hybrid seed nuts @Rs.50 per seed nut	1.20 lakh no.s	60.00
c	Procurement of WCT seed nuts@Rs.45 per seed nuts	3.00 lakh no.s	135.00
d	Raising germplasm of dwarf coconut palms in department farms for hybridisation programme @ Rs,200/ seedling	1.25ha (250 no.s)	0.50
e	Undertaking hybridisation in dwarf coconut palms for DxT hybrid seedling production. at viz. TxD Farm, Chalode, Chavakkad and Seed Garden Complex, Munderi. (@ Rs.1500/palm)	300 no.s	4.50
f	Transportation charges of seed nuts & seedlings (LS)		7.40
g	Miscellaneous expenses (pollination, preparing inventory etc.)		6.00
	TOTAL		217.00

An amount of **Rs.217.00 lakhs** will be utilised for the above listed activities i. The balance amount of Rs.33.00lakhs will be released to CPCRI as 3rd year assistance for the project "Large scale production of elite and hybrid seedlings of coconut for root (wilt) disease prevalent tracts by CPCRI, Kayamkulam", after obtaining sanction from Government.

4) Establishment of model demonstration plots of high yielding dwarf coconut varieties, exotic fruit plants etc. in DAFs & Special farms (Rs.100.00 lakhs).

There are numerous species of exotic fruits like Mangosteen, Rambutan, Durian, types of berries, Persimmon, exotic varieties of Mango and jack which are grown in farmers fields in many parts of Kerala, especially Central Travancore region. Most of the public in general and farmers in particular are not familiar with these crops. Scientific

aspects of their cultivation, nutritional value, scope for value addition etc are not known to many. Scientific cultivation methods of such crops have to be demonstrated for farmers and those interested in agriculture to see and evaluate the benefits derived out of it. It also helps those raising these crops to understand the nuances of scientific cultivation for adaptation in their field.

It is proposed to establish model demonstration plots of exotic fruit crops in selected farms under the Department of Agriculture. *Unit size proposed is 1 ha.* Purchase of planting materials can be done from approved sources. Expenses will be involved for land preparation, cost of planting materials, irrigation facilities, manuring, plant protection, infrastructure development etc. Scope of establishing small scale value addition units linked to these plots can also be explored and included in the project wherever possible. A project proposal for the establishment of such units in each farm shall be prepared by the Officer in charge of the farm and get approved at the district level before implementation of the programme. Hi-tech methods of crop management shall be incorporated while preparing project proposal.

Training/exposure visit of farmer groups can be facilitated to such farms to obtain a first hand knowledge on farming techniques of such crops. Necessary fund for the same can be met from the budget provision of ATMA/ATMA plus programmes of the current financial year.

An amount of **Rs.100.00 lakhs** is earmarked for this component.

**5) Promotion of Integrated farming System in potential department farms
(Rs.200.00 lakhs)**

Integrated Farming System is an ideal model where agriculture and allied activities are managed in tandem as a single composite unit. This mainly involves farming as the base unit with animal husbandry, poultry, fisheries, apiculture etc. as associated components. The advantage of such a system is the optimum use of space and recycling of food, water and avoiding wastage of resources. Even the waste from one unit will serve as manure or even food for another. Integrated farming has the advantage that any loss in one system will be compensated by better prices/returns from others.

It is proposed to establish model Integrated farming Units in the farms under Department of Agriculture. At least 3 activities other than farming shall be included in the unit. The officer in charge of the farm shall prepare suitable proposals and get it approved by the district level committee. The cafeteria of activities that can be included with Agriculture as the base unit are listed below:

1. Animal Husbandry
2. Poultry rearing
3. Pisciculture
4. Apiculture
5. Vermi compost/coir pith compost units.

An amount of **Rs.200.00 lakhs** is earmarked for this component.

6) Routine Planting Material Production Including rooted pepper cuttings (Rs.650.00 lakhs)

a) Filling critical gaps in department farms (Rs.338.00 lakhs)

The main objective of this component is to transform the farms under the Department of Agriculture into model, market-oriented agricultural units. The major share of the scheme is proposed for the following purposes :

1. Purchase of inputs for production of planting materials and for maintenance of existing crops including machinery and irrigation components.
2. For meeting the input costs and gap filling needs including implementing minor works and transportation charges in special farms.
3. For meeting the travel and fuel expenses.

Sl. No.	Item	Amount (Rs.in lakhs)
1	Input cost and minor works of special farms including transportation charges	300.00
2	Gap filling needs of farms transferred to LSGDs including transportation charges	20.00
3	Fuel and travel expenses	
	Tour TA	8.50
	POL	7.50
4	Operational support at HQ (conduct of review meetings, purchase of computers and accessories etc.)	2.00
	Total	338.00

An amount of **Rs.338.00 lakhs** is earmarked for this purpose.

b) Production of rooted pepper cuttings (Rs.312.00 lakhs)

Good quality, high yielding varieties of pepper cutting are to be produced in farms for distributing to farmers through Krishi Bhavans. It is proposed to produce 100 lakh

nos. of rooted pepper cuttings in department farms during 2018-19. The existing inputs and facilities in farms can be utilized for the production of rooted pepper cuttings.

The estimated cost of rooted pepper cuttings in department farms is calculated as Rs. 3/- per cutting. Physical target proposed is 100 lakh nos. and **Rs.300.00 lakhs** is required for this purpose. The amount will be utilized to meet the cost of mother vine, potting mixture, cost of poly bags and other inputs for plant protection activities. The cost of mother vine is fixed as Rs. 5/- metre. The selection of mother vine will start by December 2018.

Transportation Cost

The rooted pepper cuttings produced in farms are to be transported to various Krishi Bhavans in the State. An amount of **Rs. 12.00 lakhs** is needed for this purpose.

The total fund requirement for the production of rooted pepper cuttings, including transportation cost works out to **Rs.312.00 lakhs**.

7) Management of existing progeny orchards and establishment of new progeny orchards (Rs 100.00 lakhs)

It is proposed to improve the existing progeny orchards in Special Farms and DAFs. The programme include cutting of old, senile mother plants and gap filling with new varieties of fruit crops like mango, jack, guava etc. It is proposed to implement the programme in selected farms.

Establishment of new progeny orchard involve planting new varieties of fruit plants suitable for the locality. Plants can be purchased from Kerala Agricultural University, research stations, approved nurseries etc.

Details of the component is furnished below.

Sl. No.	Particulars	Unit Cost (Rs. in lakhs)	No. of Units (ha)	Amount (Rs. in lakhs)
1	Management of existing progeny orchards (gap filling using high yielding varieties of fruit plants, pruning, providing modern irrigation facilities, plant protection, manuring etc	2	14	28.00

2	Establishment of new progeny orchard as demonstration plots, new varieties of Mango, Jack, Guava, Cashew and other fruit plants desired for the locality. Plants can be purchased from University, approved nurseries, research stations etc (land development activities, modern irrigation facilities, manuring, plant protection, purchase of planting materials etc.)	4.35	16	69.60
3	Training for skill development of labourers (24 labourers, 5days training programme on techniques of plant propagation such as grafting, budding, layering etc. in research stations/KAU or other institutions) and other unforeseen expenditure etc			2.40
	Total			100.00

An amount of **Rs.100.00 lakhs** is earmarked for this purpose.

8) Mechanization in Special farms (Rs 300.00 lakhs)

In department farms, mechanization programme need to be promoted and widened incorporating the recent advancement in the sector. Technologies and improved practices must bring out at the reach of farmers. It is also essential to make sure that the technology, equipment and technical expertise must be effectively utilized for the benefit of department farms. In general, the following specific benefits are expected by implementing this project.

- a) Increase in cultivated area
- b) Labour savings
- c) Reduction in drudgery in farm operations

Objectives

- To equip the farm with modern farm machinery
- Reduce the labour requirement in farm operations
- Reduce the drudgery involved in the farm

Activities proposed

Need based purchase of tractor/tiller for 14 special farms under Department of Agriculture.

An amount of **Rs.300.00 lakhs** is earmarked for this component under head of account 4401-00-104-98 Plan.

9) Infrastructure development works for augmenting production (Rs.310.00 lakhs)

Necessary infrastructure development works to be carried out during 2018-19 in various farms under the Agriculture Development & Farmers' Welfare Department will be selected according to the proposals received from farm officers and sanction issued by the competent authority following store purchase and other relevant rules. Existing procedure will be followed for the same. Government sanction will be sought as and when required.

An amount of **Rs.310.00 lakhs** is set apart for this component.

Financial Outlay

Abstract of the components proposed under the scheme during 2018-19 is furnished below.

Sl. No.	Components	Amount (Rs in lakhs)	
		2401-00-104-91	4401-00-104-98
1	Operation support to demonstration units of HTF units already established	25.00	
2	Manpower support to Tissue Culture (TC) labs	15.00	
3	Kerasamrudhi	217.00	
4	Establishment of model demonstration plots of high yielding dwarf coconut varieties, exotic fruit plants etc. in DAFs & Special farms	100.00	
5	Promotion of Integrated farming System in potential department farms	200.00	
6	Routine planting material production including rooted pepper cuttings	650.00	
7	Maintenance of progeny orchards & establishing new progeny orchards	100.00	
8	Mechanisation in special farms		300.00
9	Infrastructure development works for augmenting production		310.00
	Total	1307	610.00

Rs.1917.00 lakhs (Rupees Nineteen crores and seventeen lakhs only)

During the current financial year, there is a budget provision of Rs.2300.00 lakhs for implementation of the scheme "Production and distribution of quality planting materials", of which Rs.1690.00 lakhs is under head of account 2401-00-104-91(P) and Rs.610.00 lakhs under head of account 4401-00-104-98(P)

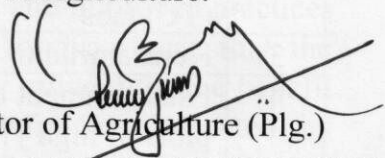
In the circumstances mentioned above, continuous Administrative Sanction is hereby issued for the implementation of the scheme '**Production and Distribution of Quality Planting materials**' during 2018-19 for an amount of **Rs.1917.00 lakhs (Rupees Nineteen crores and seventeen lakhs only)**, as per the above statement debiting the expenditure of **Rs.1307.00 lakhs** to the head of account **2401-00-104-91 (P)** and **Rs.610.00 lakhs** to head of account **4401-00-104-98 (P)** from current year's budget provision. The scheme shall be implemented abiding by the terms and conditions stipulated in the Government Order read above.

Proposals for the balance amount of Rs.383.00 laks under head of account 2401-00-104-91 (P) shall be submitted to Government seeking administrative sanction.

Monthly progress report pertaining to the scheme should invariably contain component wise physical and financial targets and achievements and the stage of implementation of each component.

Sd/-

Director of Agriculture.


Deputy Director of Agriculture (Plg.)

To

TH section of the Directorate for issue of detailed working instructions

Deputy Director of Agriculture (Plg.)
Directorate of Agriculture
Thiruvananthapuram

Copy to

TA to Director of Agriculture, CA to All Additional Directors of Agriculture of the HQ, State Agricultural Engineer, Senior Finance Officer for information

IT section of the directorate for posting on the website