

CIRCULAR

Sub:- Annual Plan 2018-19- Scheme for Coconut Development 2018-19-
Establishment of Model HYV Dwarf / Semi-tall Coconut demonstration
farms- working instruction issued – reg.

Ref:- 1.G.O (Rt) No. 643/2017/AD dated Thiruvananthapuram 29-06-2017

2.Continuous Administrative sanction order No.TP(2)7453/2018 dated 11-4-2018
& 19-05-2018

1. Introduction:-

As per the 1st reference cited the Government of Kerala accorded administrative sanction to implement the Scheme for Coconut development- “Establishment of Model HYV Dwarf / Semi -tall Coconut demonstration farms” during the financial year 2017-18 with a budget provision of Rs 567.50 lakhs (Rupees five hundred sixty seven lakhs and fifty thousand only) under the head of account **2401-00-103-87 Plan.**

During the financial year 2018-19, there is a budget provision of Rs 5000.00 lakhs for implementation of the scheme 'Coconut Development' under head of account **2401-00-103-87 Plan** . As per the order cited 2nd above, continuous administrative sanction has been accorded for the implementation of the scheme “**Establishment of Model HYV Dwarf / Semi -tall Coconut demonstration farms**” in the farmers garden as well as in the agricultural farms of the Department of Agriculture Development and Farmers' Welfare, adopting modern technologies during the financial year 2018-19 with a budget provision of Rs 520.00 lakhs (Rupees five hundred and twenty lakhs only) under head of account **2401-00-103-87 Plan** .

Kerala is facing an acute shortage of coconut tree climbers for harvesting nuts and plant protection activities, the search often ending with migrant, often untrained, workers. Planting dwarf varieties of coconut palms is one among the solutions to address the labour issue.

Under these circumstances, this project is being put forth for popularizing the dwarf varieties of coconut among the coconut growers with the state of the art technologies in crop production which will serve as demonstration as well as nucleus

gardens for the purpose of hybridization, to study the adaptability of various varieties in different districts, study on water usage etc. Demonstration in Departmental farms and the evaluation of some of the hybrid dwarf varieties which are 'super performing' as claimed by their producers in the private sector is also envisaged in this programme for guiding the farmers in the right way of adoption. This project is formulated with the following objectives.

2. Objectives:-

2.1 To set up nucleus gardens of coconut with dwarf varieties in farmers' fields throughout Kerala with most modern technology of crop production.

2.2 To create awareness among the farmers about the use of dwarf varieties in addressing labour shortage in harvesting of nuts.

2.3 Income generation and popularization of tender coconut production

2.4 To evaluate the performance of some varieties which are claimed to be the super performing varieties as claimed by their producers.

3. This circular has three parts – **Part A, Part B and Part C**. Part A deals with the establishment of demonstration gardens in the farmers' fields, Part B covers the establishment at the Departmental Farms and Part C details the general instructions.

PART A

A.1 Varieties that can be used for establishing the model gardens at farmers' fields are the local Dwarfs mainly Chowghat Green Dwarf (CGD) and Chowghat Orange Dwarf (COD) and other exotic ones like Ganga Bondam (GB), Malayan Green Dwarf and Malayan Yellow Dwarf or other dwarf hybrids depending upon the availability of the variety or type. Seedlings of the same has to be procured from the Departmental farms, farms of the Kerala Agricultural University, Tamil Nadu Agricultural University or from the Central research institutes like CPCRI. They can also be procured from the approved nurseries of Coconut Development Board and in that case the authenticity of the approval has to be strictly verified with the CDB by the implementing official and a record of the same should be filed. The procurement should be done in such a way that no spurious planting material would be planted by the beneficiaries and this has to be ensured by the implementing official and his/her controlling officer. Seedlings can also be procured from the decentralized nurseries raised in a farmer participatory mode in collaboration with CPCRI.

A.1.1 For smooth and effective implementation, the procurement of the seedlings has to be done by the farmer himself from the designated centres and the authenticated bills or vouchers are to be presented to the concerned official after attesting it by himself. The source of procurement has to be intimated to the concerned office well in advance before the procurement process is initiated. This condition is put for ensuring the quality of the seedlings bought by the farmer and a site inspection can be done by the official if the situation warrants.

A.1.2 However only one variety of coconut is allowed in one unit of garden to be established. Unit size is 0.2 ha. There will be no part units allowed since it is mainly intended for the demonstration purpose.

A. 2. The method of planting is square system with 7.6m X 7.6m spacing which should accommodate 35 plants per unit plot.

A.2.1 Directions and supervision for the land development, laying out, technical advice etc., as per the approved package of practices are to be given by the respective Agricultural Officers. Existing plantations, if any, should be cleared completely.

A.3. Drip irrigation system should be adopted. The farmer will have the full freedom for the establishment of the drip irrigation system, however, it should be technically feasible and quality materials of high standards should only be used so that the installed system lasts long. This should be ensured by the concerned Agricultural Officers. Help and advice may be taken from the Engineering Division of the Department.

A.4. All the manurial, plant protection and aftercare programmes are to be adopted location specifically with approved package of practices by KAU or equivalent research institutes' as standards and a diary of events is to be kept for each unit of the demonstration farm by the farmer. An Agricultural Assistant is to be put in charge of the demonstration farms in one Krishibhavan. The diary of events are to be maintained and updated by him also and the concerned Agricultural Officer shall verify it periodically and suitable instructions are to be given in writing from time to time.

A.5. It is planned in this scheme that at least one demonstration unit per Krishibhavan is to be established. More numbers can be established in coconut growing belts. A total of 825 plots (primary plots) with unit size as specified in A.1.2 of this circular are expected to be established. However in some cases the farmers will have more

resources like land, pump sets, etc., to accommodate more than one unit. In those cases the subsequent plots established will be called as 'Additional Plots' for which the financial assistance pattern will be a different one and is detailed as per A.6 of the circular. A total of 200 additional units are planned in the scheme.

A. 6. Financial outlay:-

The financial assistance for the scheme for establishing demonstration plots at farmers field level is as follows:

Sl. No	Activities / inputs needed	Rate per palm or rate per unit at the current rates	Percentage of assistance	Amount of assistance per unit (Rs)	Ceiling proposed per 0.2 ha.(Rs)
1	Land development (Clearing, removing the existing plants, levelling and other soil conservation measures if necessary, etc.)	Rs. 750/- per cent of land	35	250.00	12500.00
2	Pitting with the recommended specifications	Rs. 30 per pit	50	15.00	525.00
3	Cost of dwarf seedlings	Rs. 200 per seedling	100	200.00	7000.00
4	Irrigation A. Drip system including cost of pump	Rs. 35000/- per 50 cents	75	26250.00	26250.00
	B. farmers with more than one unit of nucleus garden (cost of pump is excluded)(Additional plot)	and Rs. 30000/- per 50 cent subsequently	60	18000.00	18000.00
5	cost, of plant protection activities	Rs. 40 per palm per year	20	8.00	280.00
6	Cost of manure and fertilisers	Rs. 30 per palm per year	50	15.00	525.00
*	Total for the primary plot with item 4 A				47080.00
**	Total for the Subsequent plot with item 4 B (Additional plot)				38830.00

* For the primary plot with a pump set for irrigation

** If the farmer has the resource of next 0.2 ha. of land which is adjacent or if the beneficiary already owns a pump set 4B will be applicable.

A.6.1 The claim statements prepared for disbursing financial assistance should contain the duly certified bills of pump sets, drip irrigation components, planting materials and other inputs. For the expenditure incurred on all the cultural activities undertaken and the labour portion of drip installation and land development works a duly certified statement is sufficient provided the required entries are carried out in the diary of events maintained as per A.4 of this circular.

PART B

B.1. A Demonstration in Departmental farms and the evaluation of some of the hybrid dwarf varieties which are 'super performing' as claimed by their producers in the private sector is envisaged in the programme for guiding the farmers in the right way of adoption.

B.2. Varieties suggested for departmental farms are Kalpa Raksha, Kalpa Sree, Kalpa Jyothi, Kalpa Surya, Kalpa Sreshta (MYD x TPT), Chandra Sankara (COD x WCT), Kera Sankara (WCT X COD), Chandra Laksha (LCT X COD), Kalpa Samrudhi (MYDxWCT), Kalpa Sankara (CGDxWCT) etc. Some of the private sector nurseries are claiming that they have super performing varieties with them and charging exorbitant prices for their seedlings. This programme is also intended for testing the performance and adaptability of these varieties also. This testing programme will be done at the Departmental farms only.

B.2.1 The Principal Agricultural Officers of every district should decide up on the varieties to be established in the farms under their jurisdiction. In the case of procurement from the private nurseries, necessary steps such as wide publicity should be given or necessary expression of interest should be called up on, so that every private agency should be aware of that and a judicious selection can be done. Preference shall be given to the varieties for which the local demand is more.

B.3 The farm officers shall prepare additional forecast for this scheme or modify the existing forecast of expenditure as the case may be.

B.4 The established plots should showcase all the most modern technology of crop production. The main objective is for demonstration and training purposes to the farmers of the state. They can visit the plots and get satisfied themselves and would remain as a tool for motivation for adoption of new technologies.

B. 4.1 About 9.2 ha of land is identified in Government farms through out the state to establish nucleus dwarf coconut palm demonstration plots of unit size 0.2 ha. 23 numbers each of primary plots and additional plots are planned in this programme.

B. 5. Financial outlay:-

The financial assistance for the scheme for establishing demonstration plots at Departmental farms is as follows:

Sl. No.	Activities / inputs needed	Full cost proposed per 0.2 ha demonstration plots for Govt.farms
I	Land development (Clearing, removing the existing plants, levelling and other soil conservation measures if necessary, etc.)	37500.00
II	Pitting with the recommended specifications	1050.00
III	Cost of dwarf seedlings	7000.00
IV	Irrigation A. Drip system including cost of pump	35000.00
	B. for more than one unit of nucleus garden (cost of pump is excluded) (Additional plot)	30000.00
V	Cost of plant protection activities	1400.00
VI	Cost of manure and fertilisers	1050.00
*	Total for the primary plot with item 4 A	83000.00
**	Total for the Subsequent plot with item 4 B (Additional plot)	78000.00

* For the first plot with a pumpset for irrigation

** Already the cost of pumpset is covered.

PART C

1. General instructions are presented here.

C.1.1. Applications in the prescribed format in vogue should be used. The beneficiary selection shall be carried out in Agricultural Development Committee (ADC).

C.1.2. The demonstration plots laid down should be properly publicised with a display board of minimum size 3ft X 2 ft , preferably with green letters inscribed on a white background .The name of the scheme, name of KrishiBhavan, year of planting, variety used, spacing adopted, no.of palms planted, extent of the demonstration plot, name of the beneficiary, etc should be well displayed .

C.1.3. The beneficiaries of the scheme shall be enrolled in the state crop insurance scheme.

C.1.4. An undertaking is to be made by the beneficiary to the effect that the plot will be made available for exposure visits, studies on the performance and adaptability of various varieties in different districts, study on water usage, hybridisation etc., as per the requirement of the department.

C.1.5. Store purchase rules shall be strictly adhered for all kinds of purchases. Tender/ e-tender and other stipulated formalities shall be followed where ever necessary.

C.1.6. Assistance to the beneficiary farmer should be effected as e-payment

C.1.7. Demonstration value should be ensured while selecting the location of the demonstration plot.

C.2. The details of financial requirement for establishment throughout the state is presented below

FARMERS DEMONSTRATION PLOTS :

Sl: No	Type of gardens to be established	Quantity (no.s)	Area covered (ha)	Rate per unit (Rs)	Amount (Rs in lakhs)
1.	Primary plots	825	165	47080.00	388.41
2.	Additional plots	200	40	38830.00	77.66
	Total	1025	205	85910.00	466.07

DEPARTMENT FARM DEMONSTRATION PLOTS:-

Sl: No	Type of gardens to be established	Quantity (no.s)	Area covered (ha)	Rate per unit (Rs)	Amount (Rs in lakhs)
1.	Primary plots	23	4.6	83000.00	19.09
2.	Additional plots	23	4.6	78000.00	17.94
	Total	46	9.2	161000.00	37.03

C.3. The total financial requirement for establishing these gardens in farmers' fields is Rs. 466.07/- lakhs. An amount of Rs. 37.03/- lakhs will be allotted to the Department farms for establishing 23 numbers each of primary and additional evaluation / demonstration plots of unit size 0.2 ha. each, with most modern technologies.

C.4. For the effective establishment and sustainability, an amount Rs. 16.47 lakhs is set apart for departmental farms as well as for farmers field for meeting the requirement of replanting of the damaged seedlings, insuring against natural calamities, contingency to meet the cost escalation anticipated for the purchase of super dwarf palms, transportation charges, component change to demonstration plots/ unforeseen expense etc. Separate proposal should be made by the concerned Principal Agricultural Officer for the purpose. An amount of Rs 0.43 lakhs is set apart as POL. The abstract of expenditure is given below.

Sl. No.	Item of expenditure	Amount (Rs. in lakhs)
1	Establishment of gardens in farmers fields	466.07
2	Establishment of gardens in Departmental farms	37.03
3	Replanting / insurance/ contingency to meet the cost escalation of super dwarf palms/ component change to demonstration plots/ unforeseen expense	16.47
	Total (OC)	519.57
	POL	0.43
	GRAND TOTAL	520.00

C.5 The Agricultural Officer of KrishiBhavans will be responsible for effective implementation of the scheme at panchayat level. The Assistant Director of Agriculture will monitor the sheme at block level and Deputy Director of Agriculture (YP) at district level. The Principal Agricultural Officer will supervise the scheme implementation at the district level. The Additional Director of Agriculture (CP) will monitor the scheme at State level. The ADA will submit the block wise report to the DDA (YP) who in turn will submit a detailed report in annexure-1 to the Additional Director of Agriculture (CP) by the 5th of every month. (Reporting and official correspondence in respect of this scheme should be made in the email id adatbagridir@gmail.com).

C.6 The physical and financial target for establishment of gardens in farmers fields is appended. (Annexure 2). Separate working instructions (if needed) and targets (in Annexure 3) will be allotted by the TH Sn for establishment of gardens in Departmental farms in due course and the Additional Director of Agriculture (Farms) will monitor the scheme at the state level.

C.7 The Principal Agricultural Officers shall furnish a detailed completion report including the no.of beneficiaries (male, female,SC/ST,general) and utilization certificate in proper format (Annexure 4) immediately on completion of the project.

C.8 The expenditure of all components mentioned above will be met from the budget provision of Rs.520.00 lakhs under the head of account **2401-00-103-87 Plan** of 2018-19 financial year.

2401-00-103-87-(34) OC – 519.57 lakhs

45- POL - 0.43 lakhs

520.00 lakhs

Sd/-
Director of Agriculture

[Signature]
25/5/2018
Deputy Director of Agriculture (DD)
Agricultural Development and
Farmers Welfare Directorate
Vikas Bhavan, Tvm - 33

To

All Principal Agricultural Officers ✓

Planning Section, TH section, Finance section Directorate of Agriculture

TA to Director of Agriculture

CAs to Addl.DA(Plg), Addl.DA(CP), Addl.DA(Farms), Addl.DA(Extn), Addl.DA(Mktg),
State Agriculture Engineer.

All Joint Directors of Agriculture (in the Directorate)

Principal Information Officer, FIB, Thiruvananthapuram

IT Cell for publishing in the website.

(Annexure -1)

"Establishment of Model HYV Dwarf/ semi tall coconut demonstration farms 2018-19

PROGRESS REPORT FOR THE MONTH OF -----

COCONUT DEVELOPMENT SCHEME 2018-19 – 2401-00-103-87 PLAN

DISTRICT -

Sl: No	COMPONENTS	Amount allotted (lakhs)	PHYSICAL (no.s)		FINANCIAL (Lakhs)		REMARKS
			TARGET	ACHIEVEMENT	TARGET	ACHIEVEMENT	
I.	Farmers Field						
	a. Primary plot						
	b. Secondary plot						
	c. Contingency fund						
	d. TE						
	e. POL						
	SUBTOTAL						
II.	Departmental Farms/land						
	a. Primary plot						
	b. Secondary plot						
	c. Contingency fund						
	d. TE						
	e. POL						
	SUBTOTAL						
	GRAND TOTAL						

Principal Agricultural Officer

(Annexure- 2)

Establishment of Model HYV Dwarf/ semi tall coconut demonstration farms 2018-19 District wise physical & financial target for establishment of gardens in farmers field H/A 2401-00-103-87 Plan								
No.of Primary plots - 825 no.s No.of Additional plots - 200 no.s								
Sl: No	District	No.of KBs	Physical target (no.s)			Financial target/ Allotment (in lakhs)		
			Primary plot	second ary plot	Total	Primary plot	secondary plot	Total
1	Thiruvananthapuram	89	68	17	85	32.0144	6.6011	38.6155
2	Kollam	78	60	14	74	28.248	5.4362	33.6842
3	Pathanamthitta	57	43	10	53	20.2444	3.883	24.1274
4	Aleppey	78	60	14	74	28.248	5.4362	33.6842
5	Kottayam	79	60	14	74	28.248	5.4362	33.6842
6	Idukki	53	40	10	50	18.832	3.883	22.715
7	Ernakulam	97	75	18	93	35.31	6.9894	42.2994
8	Thrissur	105	80	20	100	37.664	7.766	45.43
9	Palakkad	95	73	17	90	34.3684	6.6011	40.9695
10	Malappuram	108	84	21	105	39.5472	8.1543	47.7015
11	Kozhikode	81	63	15	78	29.6604	5.8245	35.4849
12	Wayanad	26	20	5	25	9.416	1.9415	11.3575
13	Kannur	89	68	18	86	32.0144	6.9894	39.0038
14	Kasaragod	41	31	7	38	14.5948	2.7181	17.3129
	Total	1076	825	200	1025	388.41	77.66	466.07

Sd/-

Director of Agriculture

Deputy Director of Agriculture (CD)
Agricultural Development and
Farmers Welfare Directorate
10/11/2018

COMPLETION REPORT OF THE SCHEME FOR COCONUT DEVELOPMENT- "Establishment of Model HYV Dwarf/ semi tall coconut demonstration farms 2018-19 "

H/A – 2401-00-103-87 PLAN

DISTRICT -

Sl: No	COMPONENTS	PHYSICAL(no.s)		FINANCIAL (Lakhs)		No.of beneficiaries					
		TARGET	ACHIEVE MENT	TARGET	ACHIEVE MENT	Male			Female		
						Gen	SC/ST	Total	Gen	SC/ST	Total
I.	Farmers Field										
	a. Primary plot										
	b. Secondary plot										
	c. Contingency fund										
	d. TE										
	e. POL										
	SUBTOTAL										
II.	Departmental Farms/land										
	a. Primary plot										
	b. Secondary plot										
	c. Contingency fund										
	d. TE										
	e. POL										
	SUBTOTAL										
	GRAND TOTAL										

Principal Agricultural Officer

UTILIZATION CERTIFICATE

Certified that an amount of Rs---(Rupees...only) received under the head of account 2401-00-103-87 Plan for Coconut Development Scheme ("Establishment of Model HYV Dwarf/ semi tall coconut demonstration farms") during the year 2017-18 has been fully utilized for the purpose for which it was allotted.

Principal Agricultural Officer