

Directorate of Agriculture Development and Farmers' Welfare

Vikas Bhavan, Thiruvananthapuram – 695033

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

No:ADFW/4660/2021-----

Date:15/07/2021

Sub: Annual plan 2021-22- Scheme for revitalization of Agriculture sector in wayanad- component of **Integrated Coffee Development** Working instruction - issued .

Ref:- 1) LetterNo.ADW/3418/2021-TP(2)dt.24/05/2021of Director of Agriculture
2)GO.(Rt)No527/2021/AGRI dt.23/06/20201of Agriculture(PB)Department

During the financial year 2021-22, an amount of Rs.1335.00 lakh has been earmarked as budget provision for the scheme "Revitalization of Agriculture Sector in Wayanad" under the Head of Account 2401-00-800-27 Plan. One of the components of the scheme is **Integrated Pepper and Coffee Development** for which an amount of Rs.1000.00 lakh has been set apart. Out of this an amount of Rs.500.00 lakh is set apart for the component **Integrated Coffee Development**.

As per reference no. 2 Government of Kerala accorded Administrative sanction for the implementation of scheme component - "Integrated Coffee Development" under the scheme for Revitalization of Agriculture sector in Wayanad" during 2021-22 for Rs.500lakhs.

The coffee production in Kerala is around 23 % of the country's total coffee output which makes the second largest coffee-producing state in India. Wayanad district in Kerala produces almost around 90% of the state's coffee produce which literally concludes that the coffee economy of Kerala is highly correlated with Wayanad. There are mainly two varieties of coffee i.e. *Coffea arabica* and *Coffea robusta*. Currently, Robusta coffee production exceeds 95% of the total coffee cultivation in Wayanad. Wayanad Robusta Coffee having obtained geographical indication has potential to grow immensely with active involvement of the Department.

With proper management of coffee plantations, adopting scientific cultivation, rejuvenation of coffee plantation by under planting with new HYV , inter cropping with fruit trees, and pepper, providing irrigation facilities etc., coffee growers will be able to realize better income. Taking in to consideration of above facts the following four components are included under the scheme. Small and marginal farmers only are eligible for assistance under the scheme.

Sl.No	Name of component	Amount (Rs in Lakhs)

1	Area expansion of coffee	105.00
2	Rejuvenation of coffee gardens	
	a)Gap filling/replanting with coffee- seedlings	150.00
	b)Management of inter-crops	75.00
3	Drip irrigation	120.00
4	Procurement and marketing facilitation	50.00
	TOTAL	500.00

Objectives of the scheme are

- (i) To increase area, production and productivity of coffee in Wayanad
- (ii) To rejuvenate existing coffee garden by under planting with quality planting materials and inter cropping
- (iii) To increase the income of small and marginal coffee farmers
- (iv) To provide financial support for drip irrigation in coffee plantations

1)Area expansion of coffee (Rs.105.00 lakhs)

About 90% of holdings in the Wayanad coffee region are below 2 hectares in size. Majority of the coffee plantations are 40-50 years old and poorly maintained due to high labour charges and low income from these gardens. Coffee is a labour- intensive crop with comparatively low income; when coffee prices fall, growers reduce working expenses on coffee which in turn result in less production. Efforts are being made to increase the area under coffee cultivation and to provide financial support to farmers. planting materials can be collected from RARS , Ambalavayal, CES Wayanad, Coffee Board and other approved nurseries. Cost of cultivation of cultivation of coffee are as follows.

Sl.no.	Components	Cost per Ha (Rs.)
	Cost of planting material @Rs15/- plant	

1	(1100/Ha)	16500
2	Labour cost for land preparation, pit preparation, planting, planting shade trees, , irrigation, inter cultural operations, PPC application.	40000
3	Cost of inputs; fertilizer, manure lime and PPC	13500
	TOTAL	70000

Assistance will be @50% of total cultivation cost per ha, limited to Rs.35,000/ha. The assistance will be extended to small and marginal farmers only .

An area of 300 Ha will be covered during 2021-22 and an amount of Rs.105.00 lakhs is set apart for this component.

2) Rejuvenation of coffee Gardens – (Total amount - 225 lakhs)

As coffee is normally given very little attention, most coffee gardens are made up of old and senile trees with poor productivity. Poor quality of planting materials used also adds to this problem. In order to rejuvenate the existing old coffee gardens and to increase their productivity the following activities are proposed with a budget outlay of Rs.75 Lakhs.

a) Gap filling/replanting with coffee- seedlings (Total amount-150 lakhs)

The old/senile and unproductive plantations has to be replaced with high yielding, disease tolerant coffee varieties. The planting materials required for new planting are to be collected preferably from department farms, KAU, Central Government Institutions and other approved nurseries. The quality of planting material should be ensured if made available through approved nurseries or progressive farmers.

Sl.no.	Components	Cost per Ha (Rs.)
1	Gap filling and replanting cost of planting material- coffee seedlings @Rs15/- plant (370 /Ha)	5550
2	Labour cost for land preparation, pit preparation, planting, planting shade trees, irrigation, pruning , inter cultural operations, PPC application. etc. for coffee	10000
	Cost of inputs; fertilizer, cowdung, lime and PPC and FYM	

3	for co fee including existing co fee plants	45000
	TOTAL	60550

Assistance @ 50% of total cost limited to limited to Rs. 30000/ per Ha will be provided to small and marginal farmers . An area of 500 Ha has to be covered during the financial year2021-22. A total amount of Rs.150 lakh is earmarked for this component

C) Management of inter crops

Most of the coffee garden in Wayanad are inter cropped with pepper and fruit plants. For growing pepper shade trees are also planted. Hence rejuvenation of coffee plantation cannot be completed without the rejuvenation of these inter crops and their proper management, which provide the farmer to compensate the unstable income from the coffee gardens. Replanting of pepper and fruit plants in coffee gardens is also recommended for rejuvenating the existing plantations.

Sl.no.	Item	Cost per Ha (Rs.)
1	Fruit plants	5000
2	Pepper cuttings	5000
3	Planting and intercultural operations	5000
4	Fertilizers and manures including existing fruit plants and pepper	15000
	TOTAL	30000

Assistance up to 50% limited to Rs15,000/- will be given to small and marginal farmers for inter cropping in one hectare. During the financial year 2021-22,an area of 500ha has to be covered under this component and an amount of Rs 75lakhs is set apart for this .

3. Drip irrigation in coffee gardens

Most of the coffee gardens in Wayanad are not irrigated. Irrigating coffee

garden from November to January to maintain the soil moisture level and from February to April to ensure blossoming as well as backing helps to achieve crop uniformity and reduces the number of fruit abortions.

Irrigation increases the cherry size, and increases coffee yields and helps to attain full-fledged commercial production within three years of planting, thereby bettering the return on investment. Irrigating coffee every 1 to 3 days gives optimal results.

Drip irrigation system cost for one hectare coffee planted at 3mX3m spacing amounts to Rs.80000/- per hectare. Assistance can be provided @ 50% of the total cost limited to Rs.40,000/- per hectare.

Sl.no.	Item	Cost per Ha (Rs.)
1	Drip irrigation system including pump set and tank	80000
	TOTAL	80000

Support for drip irrigation has to be implemented in coffee gardens of small and marginal farmers in 300 Ha area for which an amount of Rs.120 Lakh is earmarked for the financial year 2021-2022.

4. Procurement and marketing facilitation

An amount of 50 lakhs is set apart for procurement of the coffee beans from small and marginal farmers for giving them a fair price at the point of production. Implementataion of this component will be finalised before the next procurent season. Detailed proposals will be submitted by Principal agricultural officer Wayanad in this regard before 15/8/2021.

Benefits

This scheme will be beneficial to the farming community of Wayanad district. Assistance to the various components incorporated in this scheme will be of help to support their livelihood and provide some measure of reassurance to the farmers of Wayanad district.

FINANCIAL OUTLAY

Sl.no.	Item	Area (Ha)	Rate per Ha(Rs)	Amount of Assistance (Rs in lakh)
1	Area expansion of coffee	300	35000	105.00
2	Rejuvenation of coffee gardens			
a)	Gap filling/ replanting with coffee seedlings	500	30000	150.00
b)	Management of inter crops	500	15000	75.00
3)	Drip irrigation	300	40000	120.00
4)	Procurement and marketing facilitation			50.00
	TOTAL			500.00

(Rupees five hundred lakh only)

The following general Conditions should be followed, wherever applicable.

1. All rules, formalities and procedures shall be strictly followed for the implementation of the scheme. The norms of financial propriety shall be adhered to.
2. The expenditure would be met from the provision available under the appropriate head of account.
3. The fund release will be based on actual requirement, and the fund released should not be parked in banks.
4. Store purchase rules shall be strictly Adhered to for all kinds of purchases.
5. Tender/e-tender and other stipulated formalities shall be followed wherever necessary.
6. Principal Agricultural officer should prepare an implementation schedule to complete the project in time.

7. Post creation and purchase of vehicles are not admissible under the schemes.
8. The implementation is as per the existing procedures, rules and regulations. The Principal Agricultural officer should submit monthly progress report on component wise physical and financial achievement before 5 th of every succeeding month.

DR. K. VASUKI IAS

DIRECTOR

To

All Principal Agricultural Officers *Wayanad.*

Copy to

1. TA to Director of Agriculture
2. CA to all Additional DAs
3. All JDAs at HQ / SFO
4. Finance section
5. Planning section
6. SW Section
5. Stock file/Spare
6. IT Cell for publishing in web site

Sri
2021
Plant Protection Officer
Agriculture Development and
Farmers Welfare Directorate
Vikas Bhavan, Typm-33