

**Directorate of Agriculture Development and Farmers' Welfare**

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No: ADFW/6985/2023-TG4

Date:01-07-2023

**CIRCULAR**

Sub:- Agriculture Development and Farmers Welfare Department - Annual Plan 2023-2024 – Development of Agriculture Sector in Kuttanad - Administrative sanction accorded - Working instruction issued - Reg.

Ref:- 1) G.O.(Rt)No.558/2023/AGRI Dated, 07-06-2023

Vide reference read above administrative sanction has been accorded for Annual Plan 2023-2024 – “Development of Agriculture Sector in Kuttanad” under the 2401-00-119-78 Plan for an amount of ₹1200.00 lakhs. The scheme envisages replacement of conventional Petti & Para with energy efficient Vertical Axial Flow pump/submersible pump sets and infrastructure development works of various Padasekharams in Kuttanad region of Alappuzha, Kottayam and Pathanamthitta districts.

The Kayal padasekharams and low lying padasekharam in Kuttanad area of Alappuzha, Kottayam and Pathanamthitta districts are practicing paddy cultivation by de-watering the entire padasekharam area using the age old Petty & Para system which is having high annual maintenance cost and low energy efficiency resulting in high energy consumption for cultivation. Axial flow pumps can reduce the energy loss and hence cost for de-watering. Axial flow pumps are suitable for low head high discharge pumping applications. Hence, they can be widely recommended in flood de-watering applications which needs short delivery line usually placed over the bunds in Kuttanad. Necessary Infrastructure facilities to padasekharams executed through KLDC also included in the sanctioned scheme.

The scheme components are

**I. Replacement of petty and para with vertical axial flow pump/submersible pumps in Kuttanad region of Alappuzha and Kottayam districts (Spillover work - 30 Pump sets).**

During the financial year 2022-23, Government accorded administrative sanction as per G.O.(Rt)No.513/2022/AGRI dated 13.06.2022 for this under the

Annual Plan Scheme 2022-23 - Development of Agriculture Sector in Kuttanad. The tendering process were completed during the financial year 2022-23 and vide G.O.(Ms)No.35/2023/AGRI Dated 29-04-2023, the tender sanction for the the supply, installation, trial run and commissioning of Submersible Vertical Axial Flow Pump sets (30 Nos) in Kuttanad region of Kottayam and Alappuzha Districts was accorded. Payments to these pump sets will be met under this component. The total project cost for this component will be ₹577.00 Lakhs (including GST @ 18%). The location details of pump sets to be installed are

Sl. No.	District	Name of Block	Name of Krishi Bhavan	Name of Padasekhararam
1	Kottayam	Ettumanoor	Aymanam	Kozhipunja
2	Kottayam	Kaduthuruthy	Kaduthuruthy	Mathamkary A Block
3	Kottayam	Uzhavoor	Manjoor	Kallalavu Bhagavathikari
4	Kottayam	Kottayam	Nattakom	Eravukari
5	Kottayam	Kottayam	Panachikad	Punnackal padinjaru kayariku padam
6	Kottayam	Ettumanoor	Arpookkara	Chalakarai Ikkarakari
7	Kottayam	Ettumanoor	Thiruvvarppu	Muppaikkari
8	Kottayam	Vaikom	Vechoor	Cheruvallikari
9	Kottayam	Vaikom	Thalayazham	Kannuvallikari
10	Kottayam	Madapally	Vazhapally	Odetti Thakku
11	Kottayam	Madapally	Vazhapally	Odetti vadakku
12	Kottayam	Ettumanoor	Kumarakom	Edavattom
13	Kottayam	Ettumanoor	Neendoor	Kaippuzhakkari
14	Kottayam	Vaikom	Vechoor	Arangathukari
15	Kottayam	Kaduthuruthy	Kallara	Parampankari
16	Alappuzha	Veliyanad	Ramankary	Anchumanakkal
17	Alappuzha	Harippad	Cheruthana	Narayanchira
18	Alappuzha	Champakkulam	Thalavady	Puthiyoram
19	Alappuzha	Chengannur	Budhanur	Cheruthode Padam
20	Alappuzha	Mavelikkara	Chennithala	Block 1
21	Alappuzha	Ambalappuzha	Thakazhy	Vellarkonam Padam
22	Alappuzha	Alappuzha	Punnapra North	Poonthuram North
23	Alappuzha	Alappuzha	Punnapra South	Vettikkari
24	Alappuzha	Harippad	Veeyapuram	Achanary Padinjaru

25	Alappuzha	Veliyanad	Muttar	Kizhakkemunduvelip parambu
26	Alappuzha	Champakkulam	Champakkulam	Kokkanam
27	Alappuzha	Ambalappuzha	Ambalappuzha North	Nalupadam
28	Alappuzha	Veliyanad	Neelamperoor	I block kayal
29	Alappuzha	Champakkulam	Nedumudy	Ponga
30	Alappuzha	Champakkulam	Kainakary	C Block

**II. Supply, installation, trial run and commissioning of Vertical Axial Flow pump sets in Upper Kuttanad region of Pathanamthitta district and R Block Kayal Padashekharum in Alappuzha district (Spillover work - 24 Pump sets).**

This was also included in the Annual Plan of 2022-23 and the tendering process was completed during the Financial year 2022-23. 14 Pump sets for R Block Padasekaharam and 10 Pump sets for Upper Kuttanad region of Pathanamthitta District are included under this. The total Project cost is Rs 365.00 Lakhs (including GST @ 18%). The Location details of pump sets are

Sl. No.	District	Block	Krishi Bhavan	Padasekharam
1	Pathanamthitta	Pullikkezhu	Thiruvalla	Kaviyor Puncha
2	Pathanamthitta	Pullikkezhu	Niranam	Niranathuthadam
3	Pathanamthitta	Pullikkezhu	Niranam	Edayodichembu
4	Pathanamthitta	Pullikkezhu	Peringara	Kaipala Padinjaru
5	Pathanamthitta	Pullikkezhu	Neranam	Ward I
6	Pathanamthitta	Pullikkezhu	Peringara	Vengal erukara
7	Pathanamthitta	Pullikkezhu	Peringara	Kaipala Kizhaku
8	Pathanamthitta	Pullikkezhu	Kadapra	Kondoor
9	Pathanamthitta	Pullikkezhu	Niranam	Vellaramkeri
10	Alappuzh	Kuttanad	Kainakari	R Block (14)

**III. Infrastructural Development works in various Padasekharams of Kuttanad region implemented by KLDC.**

As per the government orders and G.O.(Rt)No.195/2020/Agri dated: 12/02/2020 sanction was accorded for Kerala Land Development Corporation (KLDC) for implementation of the scheme "Development of Agriculture Sector in Kuttanad - Risk Management Package"- (i) Infrastructural Development works of Naluchira Vadakku padasekharams in Purakkad Panchayath, (ii) Flood damages in Ezhankary West Padasekharam in Karuvatta Panchayath and (iii)

Infrastructural Development works in Manthara Meenachal Padasekharam in Karuvatta Panchayath of Alappuzha district for a total amount of ₹839.64 lakhs during 2019-2020. As per G.O.(Rt)No.220/2020/AGRI dated: 18/02/2020 during the financial year 2019-2020 sanction was accorded for KLDC for implementation of the scheme Development of Agriculture Sector in Kuttanad - Infrastructural Development works of various Padasekharams in Kari lands of Purakkad area in Alappuzha District for an amount of ₹347.40 lakhs. As per G.O.(Rt)No.137/2022/AGRI dated 18.02.2022 and G.O. (Rt)No.378/2023/AGRI Dated 24.04.2023, Government also sanctioned Flood Protection Works of Kozhichal North Padasekharam in Neelamperoor Grama Panchayath in Alappuzha District for an amount of ₹214.28 lakh under the scheme "Development of Agriculture Sector in Kuttanad". All the projects are ongoing and an amount of ₹250.00 lakh is earmarked for the payment of completed works of KLDC during the current financial year.

**IV. Replacement of petty and para with vertical axial flow pumps/ submersible pumps of 10-50 HP in Kuttanad region of Alappuzha district (New) as per the representations received during Krishidarshan Harippad (10 pump sets)**

For the supply and installation of Vertical Axial Flow / Submersible pump sets by replacing Petty and Para in Harippad Block of Kuttanad region, token provision of ₹8.00 Lakhs is included under this.

**GENERAL ABSTRACT**

Sl. No.	Description	Amount (₹ in lakhs)
1	Replacement of petty and para with vertical axial flow pump/ submersible pumps in Kuttanad region of Alappuzha and Kottayam districts. (spillover work - 30 Pump sets)	577.00
2	Supply, installation, trial run and commissioning of Vertical Axial Flow pump sets in Upper Kuttanad region of Pathanamthitta district and R Block Kayal Padashekharam in Alappuzha district (spillover work - 22 Pump sets)	365.00
	Infrastructural Development works in various	

3	Padasekharams of Kuttanad region implemented by KLDC	250.00
4	Replacement of petty and para with vertical axial flow pumps/ submersible pumps of 10 - 50 HP in Kuttanad region of Alappuzha district (New) as per the representations received during Krishidarshan Harippad (10 pump sets)	8.00
	Total	1200.00

**(Rupees Twelve Crore only)**

**MODE OF IMPLEMENTATION:**

The Components (1), (2) and (4) of the Scheme is implemented by the Assistant Executive Engineers (Agri) of Alappuzha, Kottayam and Pathanamthitta districts under the technical supervision of Executive Engineer (Agri), Alappuzha and the technical committee constituted for fixing and approving specification and giving technical guidance in finalizing the technical specification, installation and commissioning of the VAF pumps / submersible pumps. The inevitable changes in sites, if required for the replacement of petty and para with vertical axial flow / submersible pump sets will be finalized by a committee consisting of following members.

1. Principal Agricultural Officer of the District (Convenor)
2. Executive Engineer (Agri), Alappuzha
3. Deputy Director of Agriculture (WM) of the District
4. Assistant Executive Engineer (Agri) of the District

Component (3) will be executed by KLDC. After the successful completion of the works, KLDC will submit the claims with supporting vouchers to the Director of Agriculture for the release of payments. Payments will be released as per the budget allocation.

The State Agricultural Engineer is the Project Manager for monitoring the scheme at State Level. At regional level, Executive Engineer (Agri), Alappuzha will monitor the scheme.

Geo fencing & Geo tagging is mandatory for the project.

The monthly progress report should be submitted to the State Agricultural Engineer on or before 5<sup>th</sup> of every month in the e-mail id: saekerala@gmail.com.

The expenditure will be met from the head of account 2401-00-119-78 Plan. The duration of the project will be up to 31/03/2024.

**ANJU K S IAS  
DIRECTOR**

**To**

1. Managing Director, KLDC
2. Executive Engineer (Agri) Alappuzha
3. The Principal Agricultural Officer Kottayam, Pathanamthitta & Alappuzha
4. Assistant Executive Engineer (Agri), Kottayam, Pathanamthitta & Alappuzha
5. Planning Section
6. SW Section

**Copy to**

1. PA to Director
2. CA to State Agricultural Engineer, All Addl. Directors of Agriculture
3. IT Section
4. Principal Information Officer, FIB for information