

## Directorate of Agriculture Development and Farmers' Welfare

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### CIRCULAR

Sub:- Annual Plan 2024-25- Modernization of Departmental Labs – Strengthening of Bio Fertilizer Labs - Working Instructions issued - Reg

Ref:- 1. GO (Rt) no 456/2022/Agri dated 26-05-2022

2. Order no. ADFW/4620/2024 - TP2 dated 28.04.2024 of Director of Agriculture.

3. CC(2)64/2023-24 dated 24.04.2024 of Chief Soil Chemist.

As per the reference 1st cited above, the Government have accorded Administrative sanction for implementation of the scheme 'Modernization of Department Laboratories' during 2023-24 and vide reference 2nd cited above continuous administrative sanction has been accorded during 2024-25 with a total amount of Rs. 400.0 lakhs, out of which Rs. 20 lakhs is sanctioned for the Strengthening of Biofertilizer Laboratories, Parottukonam & Pattambi under the Head of Account 2401-00-105-86 Plan. These two Bio Fertilizer Laboratories are functioning in the state to make available good quality Bio fertilizers to the farmers at reasonable rate so as to promote organic cultivation of crops.

The targets assigned for production of Azospirillum and VAM during 2024-25 in these laboratories are as follows:

| Sl. No | Name of Laboratory                           | Azospirillum | VAM      |
|--------|--|--------------|----------|
| 1      | State Bio Fertilizer Lab, Thiruvananthapuram | 10000 kg     | 10000 kg |
| 2      | State Bio Fertilizer Lab, Pattambi, Palakkad | 5000 kg      | 0 Kg     |

### **Strengthening of State Bio Fertilizer Laboratories**

The strengthening of two existing laboratories include purchase of inert materials like vermiculite, chemicals, purchase of packing material for biofertilizer, repair of laboratory equipments and other miscellaneous requirements.

An amount of Rs. 20.0 lakh is provided for the strengthening of these laboratories under the Head of Account 2401-00-105-86 Plan.

As per reference 3rd cited, Chief Soil Chemist has submitted proposal for Rs. 14 lakh for the various purchases and requirements of SBFL, Parottukonam such as Purchase & Repair of Lab Equipments, Purchase of vermiculite, Lignite, Perlite & chemicals, Repair & Maintenance works & Painting of building, rainshelter and troughs for VAM multiplication, Purchase of polythene covers for packaging, Miscellaneous expenses for the year 2024-25.

As per reference 3rd cited above the Chief Soil Chemist has submitted a proposal for Rs. 6 lakhs for the various purchases and requirements of SBFL, Pattambi such as AMC for Fermenters, purchase of chemicals, inoculums, lab equipments, various Miscellaneous expenses for the year 2024-25.

An amount of Rs 14 lakhs is provided for the Strengthening of State Biofertilizer Lab ,Parottukonam and an amount of Rs 6 lakhs is provided for the Strengthening of State Biofertilizer Lab ,Palakkad

### **1. State Biofertilizer Lab, Parottukonam, Thiruvananthapuram (14 lakh)**

| <b>Sl No</b> | <b>Name of item</b>   | <b>Amount (Lakhs)</b> |
|--------------|---|-----------------------|
| 1            | Purchase & Repair of Lab Equipments   | 1.50                  |
| 2            | Purchase of vermiculite, Lignite & Perlite  | 6.00                  |
| 3            | Maintenance works & Painting of building, rainshelter and troughs for VAM multiplication  | 3.00                  |
| 4            | Purchase of polythene covers for packaging  | 1.00                  |
| 5            | Miscellaneous expenses Loading & unloading charges and transportation charges towards supply of Biofertilisers, Repair and Maintenance of electrical & water supply system, Expenses for Technical guidance from KAU, Purchase of glasswares, chemicals, biofertilizer inoculum, stationary items, Cleaning items, cowdung, sand, etc.and other unforeseen expenditures | 2.50                  |
|              | <b>TOTAL</b>  | <b>Rs 14 Lakhs</b>    |
|              | <b>(Rupees Fourteen Lakhs only)</b>   |                       |

**II. State Biofertilizer Lab,Pattambi,Palakkad (6 lakh)**

| <b>Sl. No</b> | <b>Name of items</b>   | <b>Amount (in Lakhs)</b> |
|---------------|--|--------------------------|
| 1             | Purchase ,repair and service of lab equipments like Fermentor,microscopes,double distillation unit etc. For the production of <i>Azospirillum</i>  | 3.50                     |
| 2             | Purchase of inoculum for preparing slants from R&D institutions as per need .  | 0.07                     |
| 3             | Maintenance Work of the laboratory to maintain a hygenic atmosphere for the culturing of the bacteria .  | 0.50                     |
| 4             | Miscellaneous expenses -<br>Loading, unloading and transportation expenses ,maintenance of electrical and water supply system ,expense of technical guidance from KAU,Purchase of glasswares chemicals ,furniture ,installation of CCTV,stationery items ,cleaning items ,Purchase of pipette, cotton, glass rod, Tube light, Seal, High tension glove, Surgical glove, Aluminium foil, Spirit lamp, Repair works including labour cost ,need based purchases etc. | 1.93                     |
|               | <b>TOTAL</b>   | <b>6.00 Lakh</b>         |
|               | <b>(Rupees Six Lakh only)</b>  |                          |

**Abstract of fund required under Strengthening of State Biofertilizer Laboratories**

| <b>Sl No</b> | <b>Name of Lab</b>                   | <b>Amount ( in Lakh)</b> |
|--------------|--------------------------------------|--------------------------|
| 1            | State Biofertilizer Lab,Parottukonam | 14.00                    |
| 2            | State Biofertilizer Lab,Pattambi     | 6.00                     |
|              | <b>TOTAL</b>                         | <b>20.00 Lakh</b>        |
|              | <b>(Rupees Twenty Lakh only)</b>     |                          |

The Officers in charge of the laboratories will ensure the timely implementation of the various programmes under the scheme with a definite action plan and calendar of activities in advance, which has to be sanctioned by the undersigned, and this should reflect in the monthly booking of expenditure.

The Officers in charge of the laboratories are responsible for the timely purchase of vermiculite, Polythene covers, repair and maintenance of equipment and other Miscellaneous expenses.

The Principal Agricultural officer assisted by the Deputy Director of Agriculture (E&T) will monitor the functioning of the Labs in the Districts. The Chief Soil Chemist will co-ordinate the functioning of the labs. Monthly progress reports should be furnished to the Director of Agriculture by the 5th of every month.

The Additional Director of Agriculture (Planning) will monitor the scheme at the state level.

### **Financial Outlay.**

The amount of **Rs. 20.0 lakh** set apart for the implementation of this scheme can be met from the funds provided under the Head of Account **2401-00-105-86 Plan.**

**Dr ADEELA ABDULLA IAS**  
**DIRECTOR**  
Director of Agriculture

To 1)Chief Soil Chemist

Copy to: 1)Principal Agricultural Officers Thiruvananthapuram and Palakkad  
2)CA to Director of Agriculture  
3)CA to all Additional Directors of Agriculture Deputy Director,  
4)IT Cell (for publishing in the website)  
5)Planning section - to allot funds to Chief Soil Chemist  
6)SW section  
7)Stock File