

CIRCULAR

Sub:- Annual Plan 2016-17 – Scheme on “ Modernization of Departmental Laboratories 2016-17” - Strengthening of State Bio Fertilizer Laboratories, Thiruvananthapuram and Pattambi – Working Instructions – issued – reg.

- Ref:- 1. Order No. TP(2)14659/16 dated 18.05.2016 of Director of Agriculture, Thiruvananthapuram.
2. Letter No. CC(2)25/16 dated 26.04.2016 of Chief Soil Chemist, Thiruvananthapuram.

In the current year's budget (2016-17), there is a provision of **Rs.600.00 lakhs** for the implementation of the Scheme “**Modernization of Departmental Laboratories 2016-17**”, **Rs.540.00 lakhs** under the Head of Account **2401-00-105-86 Plan** and **Rs.60.00 lakhs** under the Head of Account **4401-00-107-97 Plan**. This is a continuing scheme.

As per the reference 1st cited, Administrative Sanction has been issued for the continuous implementation of the scheme during 2016-17 with the above budgetary provision.

Two Bio Fertilizer Laboratories are functioning in the State to make available good quality bio fertilizer to the farmers at reasonable rate so as to promote organic cultivation of crops.

The targets assigned for production of Azospirillum and VAM during 2016-17 in these laboratories are follows.

Sl. No.	Name of Laboratory	Azospirillum	VAM
1	State Bio Fertilizer Lab, Parottukonam	14000 Kg	6000 Kg
2	State Bio Fertilizer Lab, Pattambi	5000 Kg	-

Strengthening of State Bio Fertilizer Laboratories :

The strengthening of the two existing laboratories includes purchase of chemicals, polythene covers, repair and maintenance of equipments, transportation cost and other miscellaneous expenses in the two State Bio Fertilizer Laboratories.

An amount of **Rs.22.00 lakhs** is set apart for Bio Fertilizer Laboratory, Thiruvananthapuram and **Rs.5.00 lakhs** for Bio Fertilizer Laboratory, Pattambi under the Head of Account **2401-00-105-86 Plan**. The details of programmes and allocation for the Bio Fertilizer Laboratories at Thiruvananthapuram and Pattambi are given below.

**Details of Financial outlay for Bio Fertilizer Laboratory,
Thiruvananthapuram – 2016-17.**

A. Chemicals			
Sl. No.	Name of chemicals	Quantity	Amount (Rs. In lakhs)
1	Malic acid	50 Kg	0.57
2	Potassium hydroxide pellets (KOH)	50 Kg	0.50
3	Ammonium chloride	10 Kg	0.06
4	Bromothymol blue indicator (B.T.B)	250 Kg	0.092
5	Calcium carbonate	75 Kg	0.51
	Total		1.732
B. Inert materials for Azospirillum			
1	Lignite	12000 Kg	1.80
	Total		1.80
C. Polythene covers for packing			
1	Printed Polythene cover (outer) for Azospirillum	150 Kg	0.60
2	Printed Polythene cover (outer) for VAM	100 Kg	0.40
3	Polythene cover (outer) for both Azospirillum and VAM	150 Kg	0.4125
	Total		1.4125
D	Miscellaneous items for the lab		0.3055
E	Repair /maintenance of equipments / mechnery, etc		0.25
F	Fermenter 100 Ltr with all accessories		15.00
G	Mixing machine	1 no.	1.50
	Total		17.0555
	Grand Total		22.00

Details of Financial outlay for Bio Fertilizer Laboratory, Pattambi – 2016-17.			
Sl. No.	Item	Quantity	Amount (Rs. In lakhs)
Equipments			
1	Shaker	1 no.	0.35
2	pH Meter	1 no.	0.12
3	Weighing balance	1 no.	0.15
Inert maaterial			
1	Lignite	15000 Kg	2.25
Repair works			
1	Repair of fermentor		1.35
2	Repair of Autoclave door		0.50
3	Annual Maintenance Contract for the fermentor		0.28
	Grand Total		5.00

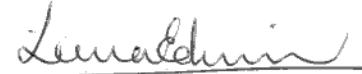
The officers in – charge of the laboratories are responsible for the timely purchase of chemicals, repair of equipments, hire charges and miscellaneous items required for the smooth functioning of the laboraotories. Expenditure for the amount of **Rs.27.00 lakhs** may be met from the funds provided under the head of account **2401-00-105-86 Plan**.

Sd/-

Director of Agriculture

Copy to:

- TA to Director of Agriculture
- CA to All Additional Directors of Agriculture
- ✓ Deputy Director, IT Cell (for publishing in the website)
- Principal Agricultural Officers,
Thiruvananthapuram and Palakkad for information
- Chief Soil Chemist
- Planning section - to allot funds to Chief Soil Chemist
- Stock File


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