

Directorate of Agriculture Development and Farmers' Welfare

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No:ADFW/3497/2022-TD1

Date:14-06-2022

CIRCULAR

Sub:- Annual Plan 2022-23 – Scheme on “Modernization of Departmental Laboratories”

2022-23 -Strengthening of State Bio Control Laboratory ,Mannuthy – Working Instruction issued – reg.

Ref:- 1)Ref:- 1)GO.(Rt) No.456/2022/AGRI Thiruvananthapuram dated 26.05.2022

2) Endorsement No.ADFW/4116/2022- TP(2) Dated 31/05/22

Government of Kerala, vide reference 1st cited above have accorded Administrative Sanction for the implementation of the scheme, “Modernization of Departmental Laboratories” during the year 2022-23, under which Strengthening of Bio Control Laboratory, Mannuthy is one of the components and an amount of Rs.25 lakhs is set apart under the Head of account 2401-00-105-86 Plan. The detailed working instruction with components and split up amount for each component is given below.

State Bio control Lab, Mannuthy was established utilizing the grant-in aid fund of Government of India sanctioned in the 8th and 9th plan with the intention to serve as nucleus/ central facility for the mass culturing of various bio control agents. The use of Bio control agents for pest control is inevitable for Eco-friendly pest management. State Bio control Laboratory started functioning since 2000 and is one of the pioneer institution in the state under Government sector engaged in the commercial production of bio control agents such as *Pseudomonas fluorescence*, *Trichoderma viride*, Trichocards, *Beauveria*, *Verticillium* & chitin enriched *Pseudomonas fluorescence* etc in liquid & talc formulations. Recently they have started the mass production of new BCAs like Entomo Pathogenic Nematode (EPN), *Pochonia*, *Chlamydosporia*, *Bacillus thuringiensis* & liquid formulation for *Beauveria bassiana*. The production target of SBCL, Mannuthy for 2022-23 will be as follows

Sl no	Name of the products	Approximate quantity of production
1	<i>Pseudomonas fluorescence</i>	10 MT
2	Chitin enriched <i>Pseudomonas fluorescence</i>	5 MT
3	<i>Trichoderma viride</i>	35 MT
4	Liquid <i>Pseudomonas fluorescence</i>	10000 Ltrs
5	EPN	1Kg
6	<i>Pochonia clamidosporia</i>	100Kg
7	<i>Beauveria bassiana</i>	500 Ltrs
8	<i>Bacillus thuringiensis</i>	500 Ltrs
9	Tricho cards	15000cc

10	<i>Verticillium lecanii</i>	100Kg
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An amount of Rs.25 lakhs is set apart under the head of account 2401-00-105-86 Plan for Strengthening of State Bio Control Lab, Mannuthy to undertake the following activities. The purchase of different components envisaged in the scheme should be as per store purchase rules. Tender/ E-tender formalities will be followed where ever necessary. License for the sale and manufacture of bio control agents should be obtained before starting the activities of the laboratory.

Abstract of Action plan for 2022-23

Item	Amount(in Lakh)
Organic growth materials	0.884
Raw materials, Chemicals & glass ware	5.138
Polythene covers	1.038
Packing materials	2.847
Miscellaneous items	11.052
Electrical & Electronic items	0.029
Servicing of equipments	2.588
Machinery	1.424
TOTAL LAB PRODUCTION EXPENSES(PLAN)	25.00

(RUPEES TWENTY FIVE LAKHS ONLY)

The details of items to be included under each category is given in Annexure I

The expenditure on the scheme implementation shall be debited under the H/A- 2401-00-105-86 plan. All rules, formalities and procedures must be strictly followed. The norms of financial propriety should be adhered to. The implementation of the scheme in SBCL, Mannuthy will be undertaken by the Deputy Director of Agriculture, SBCL and civil works by the Executive Engineer, Kozhikode. At State level, Additional Director of Agriculture (CP) will monitor the scheme. The monthly progress report of the scheme should reach this office on or before 5th of every month.

**SUBHASH T.V. IAS
DIRECTOR**

ANNEXURE I

DETAILED STATEMENT ON REQUIREMENT OF INPUTS AND OTHER CHARGES FOR 2022-23

Sl no	Particulars	Total amount in Lakhs
A	A ORGANIC GROWTH MATERIALS	
	Broken Bajra (food grade) ,Groundnut,Prawn shell, Organic Growth material for various bio products (Honey, milk powder,wheat	0.884

	powder, maize, rice bran etc)	
	TOTAL	0.884
B	RAW MATERIALS ,CHEMICALS & GLASS WARES	
	Talc powder ,Peptone,Glycerol,Magnesium sulphate Dipotassium hydrogen orthophosphate,CMC,Absorbent cotton,Special chemicals for new products (patented)Wettable Sulphur,Baker's yeast ,Hand sterilant 500 ml, pH adjusting solutions,Charge for testing talc, Other miscellaneous chemicals, glasswares& materials etc	5.138
	TOTAL	5.138
C	POLYTHENE COVERS	
	Printed Polythene covers (Pseudomonas)Printed Polythene covers forTrichoderma,Beauveria verticillium etcInner cover.logo of new CIBRC registration etc	1.038
	TOTAL	1.038
D	PACKING /LABELING EXPENSES	
	Plastic bottle 250 ml for filling liquid Pseudomonas & Beauveria Bt etc Printed Carton box for packing various BCA Plastic bottles for other products	2.847
	TOTAL	2.847
E	MISCELLANEOUS AND RECURRING EXPENSES	
	Nucleus cultures of Tricho cards & microbial cultures.Corcyra egg,Gas cylinder,Wonder tape Miscellaneous items for card production (Rubber band, Evion ,Ambistrin,Jute thread, gum & gem clip etc),Inoculation instruments, lab equipments etc.Gas filling in fire extinguisher.Uniform to laborers &lab staffs(cloth and stitching charge, slippers etc.),Cost of different types of masks, apron, gloves etc,Lab disinfection and sanitation measures,Tube well cleaning,Repair of lab stools, shrink wrappings machine, continuous sealer & sealing machines etc.Lab cleaning materials & other miscellaneous materials (for cleaning glassware, basins, utensils etc.) Cada cloth,Electricity charges of HT connection Expenses for exhibitions and seminars/ workshops etc Training in National Institutes Incentive to Agro Service Centers Corcyra waste recycling,Fuel /Diesel for generator,Transportation expenses (including vehicle hire charges [bothtransportation & taxi hiring for extension/ official purpose] and purchase of Diesel and lubricants),Removal of un serviceable items inside lab building and cleaning in the lab compound,Sealing of weighing balances Purchase of	11.052

	sealing machines and spares and repair,Consultancy for CIB registration , Data generation (toxicology/bioefficacy)for CIB registration & charges payable to NBAIRfor Bt etc. Vessels for formulations,garden equipments,water harvesting systems New Vehicle purchase Renovation of office frontage Unforeseen expenses	
	TOTAL	11.052
F	ELECTRICAL & ELECTRONIC ITEMS	
	Split Air Conditioner,weighing balances,tube lights fans etc	0.029
	TOTAL	0.029
G	SERVICING OF EQUIPMENT/ MACHINERIES	
	AMC for 7 fermentors (100 Lts 5 nos & 200 lts 2 nos),AMC of new generator including consumables (Oil, lubricants & Batteryetc),AMC for A/C (with spare parts) including split A/C 1.5 TR 1.0 TR,AMC for EPBX systems,backup batteries of CCTV & Computer,Repair of Printer, Computers, software, & hardwares etc .with spares,Service & repair with spare parts for other machineries & equipments.,Including Internal transformer,Water filters,exhaust fans of transformer and lab buildings,etc HT day today operation and maintenance with minor spare parts with service of an electrician Purchase of the capacitors, drill , consumables etc. of high tension,electrification printe rRepair of pH probe in water filter,including Ph probe in main water filter	2.588
	TOTAL	2.588
H	MACHINERY	
	Bottle labeling machine,weighing balance etc	1.424
	TOTAL	1.424
	GRAND TOTAL	25.00

(RUPEES TWENTY FIVE LAKHS ONLY)

To Deputy Director of Agriculture, SBCL
Copy to

1. TA to Director of Agriculture

2. CA to all Additional Directors
3. All JDAs at HQ / SFO
4. Finance section
5. Planning section
6. SW Section
7. Stock file/Spare
8. . IT Cell for publishing in web site