

Directorate of Agriculture Development and Farmers' Welfare

Vikas Bhavan, Thiruvananthapuram – 695033
e-mail:cru.agridir@kerala.gov.in, Phone: 0471-2304481

No:DFW/4943/2024-TD1

Date:28-05-2024

CIRCULAR

Sub:- Annual Plan 2024- 25 Modernization of Departmental Laboratories-
Strengthening of State Bio Control Lab, Mannuthy -Working instructions
issued-reg-

Ref:- 1)Order No ADFW/4620/2024-TP2 dated 28.04.2024 Directorate of
Agriculture.
2)GO(Rt) No.456/2022/Agri. dt.26/5/2022

Vide references cited above, continuous Administrative sanction has been accorded for the scheme on "Modernization of Departmental Laboratories " during the financial year 2024-25 for an amount of Rs 400 Lakh (Rupees Four Hundred Lakh Only),under which Strengthening of Bio control Laboratory ,Mannuthy is one of the components. An amount of Rs20 Lakh (Rupees Twenty Lakh Only)has been set apart for the implementation of the scheme component under the Head of Account 2401-00-105-86 Plan.The detailed Working Instruction with components and split up of amount for each component is given below:

State Bio control Laboratory, Mannuthy (SBCL) was established utilizing the grant-in-aid fund of Government of India sanctioned in the 8th & 9th plan with the intention to serve as nucleus/central facility for the mass culturing of various biocontrol agents. This lab is the only mass production centre of biocontrol agents under Government sector in Kerala and is functioning profitably, contributing a considerable amount to the Government exchequer.The laboratory started functioning with effect from 19/04/2000 and is involved in the mass production of biocontrol agents such as Pseudomonas fluorescens, Trichoderma viride, Trichocards, Beauveria, Verticillium & chitin enriched Pseudomonas fluorescens etc. in liquid & talc formulations. Mass production of new biocontrol agents like Entomo Pathagenic Nematode (EPN), Pochonia, Bacillus thuringiensis & liquid formulation of Beauveria were started during 2016-17.

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The Laboratory has received permanent registration for *Trichoderma viride*, & *Pseudomonas fluorescens* from Central Insecticide Board and Registration Committee (CIB & RC) under section 9(3).and license from Department of Agriculture and was registered under GST HCN 3038.

With the available manpower & infrastructure, considering the demand of past 3 years, it is targetted to produce 35MT powder formulation (*Pseudomonas*, Chitin enriched *Pseudomonas*, *Trichoderma*, *Verticillium*, EPN and *Pochonia*) , & *Beauveria* & *Bacillus thuringiensis*) &5,000 cc Tricho cards during the year 2024-25 for meeting the demand of the farming community

The production target of SBCL,Mannuthy for 2024-25 is as follows:

Sl.No	Name of the products	Approximate quantity of production in MT
	<i>Pseudomonas fluorescens</i>	10000Kg
	Chitin enriched <i>Pseudomonas fluorescens</i>	10000Kg
	<i>Trichoderma viride</i>	10000Kg
	EPN	100
	<i>Beauveria bassiana</i>	2000
	Tricho cards	5000cc
	<i>Verticillium lecanii</i>	2000Kg

DETAILED STATEMENT ON REQUIREMENT OF INPUTS AND OTHER CHARGES FOR 2024-25

SL.No	ITEM/PARTICULARS	AMOUNT
A	ORGANIC GROWTH MATERIALS	
	Broken Bajra (food grade)Groundnut,Prawn shell,Seeds of sorghum and vegetables for VAM and other biofertilizerproduction,Organic Growth	

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	material for various bio products (Honey, milk powder, wheat powder, maize, rice bran, Groundnut cake etc)	1,38,000
B	RAW MATERIALS ,CHEMICALS& GLASS WARES	
	Talc powder Peptone Glycerol Magnesium sulphate Dipotassium hydrogen orthophosphate,CMC Absorbent cotton Special chemicals for new products (patented) 1,00,000 Wettable Sulphur Baker's yeast Hand sterilant 500 ml, pH adjusting solutions, hand sterilants,lab sterlants Charge for testing talc,Methanol permit fees Special chemicals of patented products, chemicals of bio fertilizers Other miscellaneous chemicals, glasswares& materials etc	2,20,800
C	POLYTHENE COVERS	
	Printed Polythene covers (Pseudomonas), VAM Printed Polythene covers for Trichoderma, Chitin Pseudomonas, Beauveria Verticillium.etc Cover for trichocards, Inner cover with logo of new CIBRC registration, etc Transparent pouch for 100g and 250g BCA	2,64,000
D	PACKING /LABELING EXPENSES	
	Printed Carton box for bulk packing various BCA	

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	Printed Carton box for packing various BCA Plastic bottles for other products Labels for 100g and 250 g pouch, Trichocards	3,44,000
E	MISCELLANEOUS AND RECURRING EXPENSES	
	Nucleus cultures of Tricho cards & microbial cultures. Corcyra egg Gas cylinder Wonder tape Miscellaneous items for card production (Rubberband, Evion, Ambistrin, Jute thread, gum & gem clip etc) Inoculation instruments, lab equipments etc. Gas filling in fire extinguisher Uniform of lab staffs (cloth and stitching charge, slippers etc). & Pigeon hole box for storing the belongings of labourers 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 glasswares, basins, utensils etc.) Cada cloth Electricity charges of HT connection, Electrical inspectrate inspection charges Quality control charges of BCA, Technical expert visit expense Expenses for exhibitions and seminars/ workshops etc	1,59,094

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	<p>Training in National Institutes ,Incentive to Agro Service Centres</p> <p>Corcyra waste recycling</p> <p>Fuel /Diesel for generator</p> <p>GST return filling charges</p> <p>Terrace cleaning and protective measures, scaling rust painting</p> <p>steel furnitures</p> <p>Transportation expenses (including vehicle hire charges& parcel charges both transportation & taxi hiring for extension/ official purpose and purchase of Diesel and lubricants</p> <p>Removal of unserviceable items inside lab building and cleaning in the lab compound</p> <p>Sealing of weighing balances Purchase of Sealing machines and spares and repair</p> <p>Consultancy and fees of CIB registration , Data generation (toxicology/bioefficacy) for CIB registration & charges payable to NBAIR for Bt etc.</p> <p>Vessels for formulations, garden equipments, water harvesting systems</p> <p>New Vehicle purchase</p> <p>Renovation of office frontage</p> <p>Protecting roofs of two building from leakage and cleaning,vehicle hiring,solar panel</p> <p>Unforeseen expenses</p>	
F	ELECTRICAL & ELECTRONIC ITEMS	
	<p>Split Air Conditioner, weighing balances, tube lights fans ,etc</p> <p>Repair of electrical items</p>	5000
G	SERVICING OF EQUIPMENTS/MACHINERIES	
	<p>AMC for 7 fermentors (100 Lts 5 nos & 200 lts 2 nos) AMC of new generator including consumables (Oil, lubricants & Battery etc)</p> <p>AMC for A/C (with spare parts) including split A/C 1.5 TR 1.0</p>	

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	<p>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</p> <p>HT day today operation and maintenance with minor spare parts with service of an electrician</p> <p>Purchase of the capacitors, drill , consumables etc. of high tension electrification printer</p> <p>Repair of pH probe in water filter, including pH probe in main water filter</p>	4,17,000
H	MACHINERY	
	, weighing balances, Vacuum cleaners ,	50000
	TOTAL	1597894

The purchase of different components envisaged in the scheme should be as per Store Purchase Rules. Tender/e-tender formalities should be followed wherever necessary. Licence for the sale of bio-control agents should be obtained before starting the activities of the laboratory

Abstract of Action plan 2023-24

Item	Amount (Rs)
Organic growth materials	1.38
Raw materials, Chemicals & glass ware	2.208
Polythene covers	2.64
Packing /Labelling expenses	3.44
Miscellaneous items	1.59094
Electrical & Electronic items	0.05
Servicing of equipments	4.17
Queue Bill	4.02106
Machienary	0.50

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TOTAL LAB PRODUCTION EXPENSES(PLAN)	20.00
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Rupees Twenty Lakhs Only

The expenditure on the scheme implementation shall be debited under the Head of Account 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 under taken by the Deputy Director of Agriculture, SBCL . 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.

General Instructions

- a) All rules, formalities and procedures shall be strictly followed for the implementation of the scheme. The statutory norms of financial propriety shall be adhered to.
- b) The expenditure should be met only from the provision available under the appropriate Head of Account.
- c) The fund release will be based on the actual requirement and the fund released should not be parked in banks.
- d) Store Purchase Rules shall be strictly adhered to for all kinds of purchases.
- e) Tender/e-tender and other stipulated formalities shall be followed wherever necessary.
- f) Post creation and purchase of vehicles are not admissible under the scheme.
- g) The Heads of Departments shall monitor the implementation of the scheme and ensure that the implementation is as per the existing procedures, rules and regulations.
- h) The implementation agencies/ Department also should prepare an implementation schedule to complete the project in time and send regular progress report on financial and physical progress on quarterly basis.
- i) The Director shall hold monitoring meetings to review the progress and send report to the Government regarding the progress of the implementation of the approved scheme.

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- j) Utilization Certificates pertaining to the implementation of the scheme shall be submitted in time.
- k) Plan review will be conducted every month to review the progress of the implementation of the scheme.
- l) The Administrative sanction accorded is inclusive of the amount put under queue bills.
- m) The scheme shall be managed by the Additional Director of Agriculture (Crop Production) at the Directorate of Agriculture and the implementation of the scheme shall be completed by 31-03-2025.

RAO IAS

SEERAM SAMBASIVA

DIRECTOR

Director of Agriculture

TO

Deputy Director Of Agriculture SBCL

- Copy to:
- 1)CA to ALL Additional Directos
 - 2)CA to SAE,SFO
 - 3)Planning Section
 - 4)IT cell- for publishing in the website
 - 5)TA to Director of Agriculture
 - 6)Stock file