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September 25, 2023

EDGARDO E. TULIN, Ph.D.
President
Visayas State University
Visca, Baybay City, Leyte

ATTENTION:

MARIA JULIET C. CENIZA, Ph.D.
Vice President for Research, Extension and Innovation

ROMEL B. ARMECIN, Ph.D.
Project Leader

Subject:

Approval of VSU Proposal under 2023 ACEF R&D Grant

Dear **President Tulin:**


This refers to the proposal you have submitted to the Department of Agriculture (DA) through the Bureau of Agricultural Research (BAR) for review and possible funding support under the Agricultural Competitiveness Enhancement Fund (ACEF) R&D Grant titled "**Upgrading of Abaca Tissue Culture Laboratory in National Abaca Research Center (NARC) at Visayas State University (VSU)**".

We are pleased to inform you of the DA-ACEF Executive Committee's approval of the proposal. Attached herewith are the MOA and the list and details of required documents to be facilitated to process release of funds for the project implementation.

For inquiries and clarification, your staff may contact Engr. Kit Ignatius S. Marticio of the bureau's Program Development Division – Institutional Development Section (PDD-IDS) at contact number (02) 8461-2900 local 3151 or email us at acefr4d@bar.gov.ph.

Thank you.

Very truly yours,


DOMINGO E. PANGANIBAN
Senior Undersecretary

Cc: ACEF Executive Committee
ACEF Program Management Committee
ACEF Program Management Office
Bureau of Agricultural Research



AGRICULTURAL COMPETITIVENESS ENHANCEMENT FUND - RESEARCH FACILITIES DEVELOPMENT GRANT (ACEF-RFDG)

Project Title: Upgrading of Abaca Tissue Culture Laboratory in National Abaca Research Center (NARC) at Visayas State University (VSU)

Mandated R&D Project/ Responsible Unit	Gaps/Needs for Improvement of Facilities and Equipment		Budgetary Requirement Year <u>2023</u>			Justification (RD Utilization/ Frequency of Use/ Benefits)
	Description/ Specification	Qty./Unit	Estimated Amount			
			DA-ACEF	NARC-VSU	Total	
National Abaca Research Center VSU	Vertical benchtop Industrial lab thermal oven	1	170,000.00		170,000.00	These equipment will be used for the production of healthy and good quality TC-abaca planting materials that are affordable and less costly for the farmer/ farmer associations (FA) use. With these equipment it is expected to double the production of TC abaca plantlets and projected at 10,000 TC plantlets/ month. It is estimated that for 15 mos. this could provide 150K of TC plantlets that can give a return of about Php5.25M costed
	Basic Benchtop pH meter with replaceable electrode and buffer	3	210,000.00		210,000.00	
	Hot plate Stirrer including magnetic bar and retriever (Kit)	1	70,000.00		70,000.00	
	Microwave oven with inverter technology heavy duty	1	60,000.00		60,000.00	
	Horizontal Laminar Flow Workstations plus installation services	2	300,000.00		300,000.00	
	Autoclavable Pipettor Set with rack	2	140,000.00		140,000.00	
	150L Autoclave Manual Vent Vertical Autoclave Sterilizer	1	250,000.00		250,000.00	
	Laboratory working tables with reagent rack	2	420,000.00		420,000.00	
	Distilling Apparatus with fully insulated stainless steel condenser and heater units.	3	360,000.00		360,000.00	
	Laboratory tables with sink	2	290,000.00		290,000.00	
	Laboratory side bench table	3	555,000.00		555,000.00	
	Laboratory refrigerator 10.6 cubic	2	200,000.00		200,000.00	
	Air-condition Unit inverter (window type)	10	700,000.00		700,000.00	
	Fume Hood with HEPA carbon filter, anti-corrosive, ductless	3	210,000.00		210,000.00	
	Photo microscope	1	70,000.00		70,000.00	
	Heavy cast Aluminium Pressure cooker, 41quartz cap.	2	100,000.00		100,000.00	
	Emergency Eye Wash station	2	104,000.00		104,000.00	
	Heavy cast Aluminium Pressure cooker, 41L cap.	2	120,000.00		120,000.00	
Temporary Immersion Bioreactors System ,with 20 vessels, 1 manifold, timer and spare membrane filters (100pcs)	1	250,000.00		250,000.00		
Gas safety burner/ Bunsen burner, sensor ignition, with two adjustment dials for gas and air, 220V, with pedal, with adaptor for butane gas or LPG	1	100,000		100,000.00		
Compound photo microscope LBA powered led 40x - 1600x magnification trinocular compound microscope with usb digital camera for computer connectivity	1	100,000		100,000.00		

Vision:

A globally competitive university for science, technology, and environmental conservation.

Mission:

Development of a highly competitive human resource, cutting-edge scientific knowledge and innovative technologies for sustainable communities and environment.

Bead sterilizer	2	150,000		150,000	@Php35 per plantlets.
Tabletop shaker, orbital, 40-200 rpm, 2 kg cap, 220V, LED display, continuous running, 270x330x130mm, 200/10Watts	1	50,000		50,000	
Laboratory working tables with reagent racks	1		210,000	210,000	Needs to be purchased as counterpart of the university
Convection oven	1		80,000	80,000	
Standby Generator	1		400,000	400,000	
Autoclave	1		250,000	250,000	
Total		4,979,000	940,000	5,919,000	

Prepared by:

Recommended by:

ROMEL B. ARMECIN
Project Leader/Director, NARC

DANIEL LESLIE S. TAN
OIC-President, VSU

Approved by:

FRANCISCO TIU LAUREL, JR.
Secretary, DA and Chair, DA-ACEF Execom