

MEMORANDUM OF AGREEMENT

KNOW ALL MEN BY THESE PRESENTS:

This **MEMORANDUM OF AGREEMENT** is entered into and executed by and between:

The **DEPARTMENT OF SCIENCE AND TECHNOLOGY-MIMAROPA**, hereinafter referred to as **DOST-MIMAROPA** with principal office at 4/F DOST-PTRI Building, General Santos Avenue, Bicutan, Taguig City and represented in this Agreement by its Regional Director, **DR. MA. JOSEFINA P. ABILAY**;

-and-

The **Marinduque State College** hereinafter referred to as **MSC** with principal address at Tanza, Boac, Marinduque represented in this Agreement by its President, **DR. DIOSDADO P. ZULUETA**.

WITNESSETH THAT:

WHEREAS, **DOST-MIMAROPA** is primarily tasked to effectively respond to the social, economic, and ecological development challenges of the region through appropriate Science and Technology interventions and quality S & T Services to uplift the socio economic wellbeing of the Filipino people and ensure sustainability for future generations by extending innovation system for the implementation of the project of the proponent.

WHEREAS, **DOST-MIMAROPA** has identified the project Establishment of Tissue Cultured Laboratory for Banana as a project under the **DOST-MIMAROPA LOCAL GIA** and has provided funds therefore;

WHEREAS, **DOST-MIMAROPA** has identified **MSC** as the beneficiary of the project and has sought support and assistance from **DOST-MIMAROPA** to implement the same;

WHEREAS, **DOST-MIMAROPA** and **MSC** pledge to extend their full cooperation for the effective and efficient implementation of the aforesaid project;

NOW, THEREFORE, for and in consideration of the above premises, and of the mutual covenants and stipulations hereinafter set forth, the parties hereto agree to enter into this Memorandum of Agreement under the following terms and conditions:

1. DOST MIMAROPA shall:

- 1.1 Provide funds amounting to **TWO MILLION FIVE HUNDRED THIRTY THOUSAND FOUR HUNDRED EIGHTY FOUR PESOS AND FOUR CENTAVOS (Php 2,530,484.04)**, for the implementation of the project as described in the Line-Item Budget of the proposal marked as **Annex A** which is made an integral part of this Agreement;
- 1.2 Transfer funds to **MSC** amounting to **TWO MILLION TWO HUNDRED SEVENTY FIVE THOUSAND THREE HUNDRED FIFTY NINE PESOS (Php2,275,359.00)** for the acquisition of equipment and materials and conduct of product analysis as stipulated in **ANNEX A** unless otherwise revoked with acknowledgment from all parties involved;

DR. MA. JOSEFINA P. ABILAY
Regional Director
DOST-MIMAROPA

JEFFREY D. VARELA
Accountant
DOST-MIMAROPA

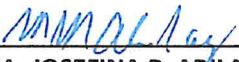
BERNARDO T. CARINGAL
Provincial S&T Director
PSTC-Marinduque

DR. DIOSDADO P. ZULUETA
SUC President III
Marinduque State College

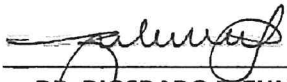
FLORIZA P. BUENASEDA
Accountant III
Marinduque State College

HARVEY DULAY
Assistant Professor
Marinduque State College

IN WITNESS WHEREOF, the parties hereto have signed this Memorandum of Agreement this ____ day of ____, 2022 at Bicutan, Taguig City.



DR. MA. JOSEFINA P. ABILAY
Regional Director
DOST-MIMAROPA

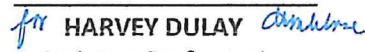


DR. DIOSDADO P. ZULUETA
SUC President III
Proponent

SIGNED IN THE PRESENCE OF:



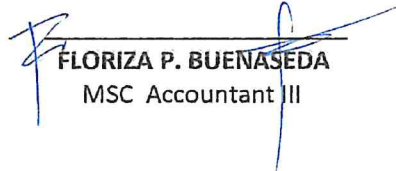
BERNARDO T. CARINGAL
Provincial Director
DOST PSTC Marinduque


for **HARVEY DULAY**
Assistant Professor I
MSC/Project Leader

CERTIFIED FUNDS AVAILABLE:



JEFFREY D. VARELA
DOST-MIMAROPA Accountant



FLORIZA P. BUENASEDA
MSC Accountant III

ACKNOWLEDGEMENT

REPUBLIC OF THE PHILIPPINES)

TAGUIG CITY) S.S

IN WITNESS WHEREOF, the parties hereto have signed this Memorandum of Agreement this ____ day of ____, 2022 at Bicutan, Taguig City.

Before me, a Notary Public for and in the **TAGUIG CITY** this **28 SEP 2022** day of ____ 2022, personally appeared

NAME	RES. CERT. NO/ Gov. ID	Place/Date Issued
DR. DIOSDADO P. ZULUETA	P4992479A	DFA Manila / Nov. 8, 2017
MA. JOSEFINA P. ABILAY	PO255592B	DFA Manila / January 15, 2019

All known to me be the same person who executed the foregoing instrument and they acknowledged to me that the same is their free and voluntary act and deed as well as the voluntary act of the institution agencies they represent.

This instrument consists of five (5) pages including this page wherein the acknowledgement is written, duly signed by the parties and their witnesses on each and every page hereof.

WITNESS MY HAND AND SEAL, on the date and the place first above written.

NOTARY PUBLIC

DOC No.: 11

Page No.: 4

Book No.: XIV

Series of 2022

RACHEL G. W. COPANUT-PANGWI
NOTARY PUBLIC UNTIL Dec. 31, 2023/TAGUIG CITY
Not. Com. Appt. No. 18 (2022-2023)
2/F, Pacura Bldg. 427 M.L.Q. St., Lower Bicutan, Taguig City
PTR No. A-5334323/1-4-2022, Taguig City
IBF O.R. No. 165796/10-14-2021, RSM
MCLE Comp. No. VII-0007104/11-22-2021
ROLL No. 61627

DOST Form A

DEPARTMENT OF SCIENCE AND TECHNOLOGY

Project Line-Item Budget

CY 2022

Program Title : Grant in Aid
 Project Title : Establishment of Plant Tissue Culture in MSC
 Implementing Agency : Marinduque State College
 Total Duration : 2 year
 Current Duration : 2022-2024
 Cooperating Agency : DOST-MIMAROPA
 Program Leader : Ma. Josefina P. Abilay
 Project Leader : Harvey A. Dulay
 Monitoring Agency : DOST-MIMAROPA

	YEAR 1		YEAR 2	
	Counterpart Funding		Counterpart Funding	
	MSC	DOST	MSC	DOST
I. Personal Services	P	P	P	P
<u>Direct Cost</u>				
Salaries				
Laboratory technician (@ 11,000.00/mo.)	132,000.00		132,000.00	
Nursery Worker (@8,470.00/mo.)	101,640.00		101,640.00	
Sub-total for PS	P 233,640.00	P -	P 233,640.00	P -
II. Maintenance and Other Operating Expenses				
Traveling Expenses - local				
Office supplies				
Medical, Dental and Laboratory Supplies Expenses		404,999.00		
Other Supplies and Materials Expenses (for the rehabilitation of the la	650,000.00			
Utility Expenses				
Water Expenses	8,000.00		8,000.00	
Taxes, Insurance Premiums and Other Fees				
Insurance Expenses		13,092.52		13,092.52
(Monitoring Agency)				
Communication Expenses		29,970.00		29,970.00
Transportation and Delivery Services		4,500.00		4,500.00
Traveling Expenses		40,000.00		40,000.00
Utilities				
Supplies and Materials Expenses (shall be itemized based on GAM)				
Office Supplies Expenses, Gasoline, Oil and Lubricants Expenses		40,000.00		40,000.00
Sub-Total for MOOE	P 658,000.00	P 532,561.52	P 8,000.00	P 127,562.52
III. Equipment Outlay				
Analytical Balance				
Weighing Capacity : 220g				
Dimensions : Approx W213xD356XH338mm				
Weight : Approx 6.0kg				
Required power Supply : AC adapter (input 100-240V AC, 50/60Hz, output 12V, 1A)		130,360.00		
I/O Terminals : RS232C (D-sub 9P plug), USB Device (type B)				
Calibration Weight : External Weight				
Stainless Steel Electric Distilling Apparatus				
With water cut off				
Its all made of high quality stainless steel materials and by Advanced technology.				
Condenser is made of seamless stainless steel pipes and so with High efficient heating interchange and large water produce .		70,000.00		
Electric Control device controls the water level and heating Elements via liquid -level sensor. Once water is running out.				

Laminar Flowhood Cabinet

Internal Size : (W*D*H) 940* 600*660 mm
External Size: (W*D*H) 1100*750*2250mm
Tested Opening: Safety Height = 200 mm(8")
Max Opening: 420mm(17")
Inflow Velocity: 0.53±0.025 m/s
Downflow Velocity: 0.33±0.025 m/s
ULPA Filter: Two, 99.9995% efficient at 0.12um. Filter life indicator.
Front Window: Motorized. Two-layer laminated toughened glass ≥ 5mm. Anti UV.
Noise: EN12469 ≤ 58 dB / NSF49 ≤ 61 dB
UV Lamp: 30W*1
Illuminating: LED Lamp
Lamp: 12W*2
Illumination: ≥1000Lux
Consumption: 760W
Waterproof Sockets: Two, total load of two sockets: 500W
Display: LCD display
Control System: Microprocessor
Airflow System: 70% air recirculation, 30% air exhaust
Visual and audio alarm: Filter replacement, front window at unsafe height, abnormal airflow velocity.
Material: Work Zone: 304 stainless steel
Main Body: Cold-rolled steel with anti-bacteria powder coating.
Work Surface Height: 750mm
Caster: Footmaster caster
Power Supply: AC220V±10%, 50/60Hz; 110V±10%, 60Hz
Gross Weight: 243kg

800,000.00

Magnet stirrer with Hot plate

-has a 10x10 (25.4x 25.4cm) Pyroceram top and digital temperature and stirring Speed displays.
It is designed to operate on 230V/50Hz with either the BS 1363A or CEE&-7 plug (both included) for use
In the parts of Europe , Asia . Africa and other areas with
Electrical requirements. A Model PC 420D is shown to the
Left with optional temperature controller and support.

80,000.00

PERFORMANCE FEATURES

Microprocessor maintains consistent and repeatable
Temperature settings from 5°C (If ambient temperature is 0°C
Or lower) up to 550°C
Digital Led temperature display is adjustable in 5°C increments
Blinks until set temperature is reached .
pH meter

30,000.00

Culture Shelves with Lighting Fixtures (6 units)

w/o lightning size 30cm x 100cm x 180cm

90,000.00

Heavy Duty Gas Burner

20,000.00

Autoclave

Chamber Size: Diameter*Depth) 260mm*475mm
Overall size (W*H*D) 700mm*370mm*490mm
Chamber Capacity 25Liters
Power Consumption 220V/1.5KW/7.5Amp.
Timer Range 0~60 minutes
Material Quality Chamber SUS#304
Using Temp. /Pressure Unwrapped: 122°C/1.4kg/cm²
Wrapped : 122°C /1.4kg/cm²
Liquids 121°C/1.2kg/cm²
Working range 140°C at 1.5kg/cm² (±10%)
Safety Device Thermostat Control –prevent
• Overheating, Safety valve , release
Valve, emergency exhaust valve
Standard Accessories # 304 Stainless steel Sterilization Box
Size : 42cmx20cmx14cm

200,000.00

Aircon (2 units)

Normal Size : 2.0hp
Cooling Capacity 19,000Kj/Hr
Energy Efficient Ratio (Eer) 10.1Kj/W-hr
CurrentAmps8.4
Power Consumption 1,880Watts
Sound Level (H/1) 56dB
Recommended Cooling Area 2 to 35 m
Physical data
Width x Height x Depth mm 659x428x730
inch 25.9x16.39x28.7
Net weight 52kg 150,000.00
Orbital shaker

Orbital Diameter: 20mm
Max Load Capacity: 3kg
Platform Size: 320*265mm
Motar Type: DC Motor
Speed Range: 70*200rpm
Time Range: 1-1199min
Display: LED display
Vessels: Petri dish, flask etc
Operation Model: Timing, Manual
Voltage: 220V/110V 50HZ/60HZ 250,000.00

Refrigerator


7.9 cu.ft two door No Frost
Inverter Refrigerator
LED Lighting
Higher EEF:344
Crisper Drawer with Humidity
Control
Net Volume: 7.3 cu. Ft.
Freezer Volume: 53L
Ref Volume: 164L
Power Consumption per Day: 8.20

			50,000.00				
Sub-Total for EO	P	-	P	1,870,360.00	P	-	P -
GRAND TOTAL	P	891,640.00	P	2,402,921.52	P	241,640.00	P 127,562.52

Prepared by:



HARVEY A. DULAY
Assistant Professor I

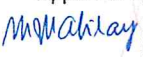
Endorsed by:


BERNARDO T. CARINGAL
Provincial S&T Director

Certified Funds Available:


CARMELO JOMEL A. LEAL
Budget Officer, MSC


MR. JEFFREY D. VARELA
Accountant III, DOST-MIMAROPA

Approved by: 
Digitally signed by
Abila Ma. Josefina
Pomanto
Date: 2022.08.19
DR. MA. JOSEFINA P. ABILA
Regional Director, DOST-MIMAROPA 