

SCAN HERE



PR-2024-1104-232808



Republic of the Philippines
VISAYAS STATE UNIVERSITY
Visca, Baybay City, Leyte

PURCHASE REQUEST

PPMP No. : PPMP-2025-092524-0599

PR No.: GF-2024-11-03090

Date: 11-04-2024

Dept./Office: DA

Category: Laboratory
Equipment

Section/End-User: Milesa C. Marsado

Funding Source: General Fund - CO

Project Title/Code: DA- Capital Outlay

Item #	Item Description	Unit	Qty	Unit Cost	PAR/ICS	Total Cost
1	Analytical Balance	unit	1	50,000.00		50,000.00

Specification:

- Capacity: 220 g
- Readability: 0.1 mg
- Repeatability (Standard Deviation): 0.1 mg
- Linearity: ± 0.2 mg
- Pan Size: 90 mm \varnothing (3.5 inches \varnothing)
- Response Time: 3 seconds
- Calibration:
 - Automatic Internal Calibration
 - Perfect Self Auto Calibration (temperature, time, power on)
- Display: Bright LCD with LED backlight
- Units of Measure: Gram, Milligram
- Tare Range: Full
- Operating Temperature: 10°C to 40°C
- Dimensions (W x D x H): 342.5 x 212 x 341 mm
- Power Supply: AC Adapter (100V-240V \pm 20%, 50-60 Hz)
- Net Weight with Packing: 8 kg
- Packing Dimensions (W x D x H): 500 x 380 x 510 mm (19.6" x 14.9" x 20")

2	Chlorophyll Meter	pc	1	50,000.00		50,000.00
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Specification:**Models:** CM-A, CM-B

- **Measuring Area:** 2mm x 2mm
- **Measuring Mode:** 2-wavelength concentration difference of optical methods
- **Sensors:** Silicon semiconductor photodiode
- **Display Mode:**
 - Measuring value: 3-digit liquid crystal display
 - Measuring times: 2-digit liquid crystal display
- **Min Measuring Interval:** <3 seconds
- **Measuring Range:**
 - Chlorophyll: 0.0-99.9 SPAD

- Temperature: -10 to 99.9°C
- **Accuracy:**
 - Chlorophyll: ±3.0 SPAD
 - Temperature: ±0.5°C
- **Repeatability:**
 - Chlorophyll: ±0.3 SPAD
 - Temperature: ±0.2°C
- **Power Supply:** 4.2V - 2000mAh rechargeable Li battery
- **Memory Capacity:** 30KB, automatically calculates and shows the average
- **Packing Size (W x D x H):** 270 x 210 x 140 mm
- **Gross Weight:** 1.0 kg

3	Hygrometer	unit	1	100,000.00		100,000.00
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Specification:

- **Professional accuracy:**
 - ±2-3% RH
 - ±1°F/°C
 - Provides the most reliable readings.
- **Wide temperature range:**
 - From -58°F to 158°F (-50°C to 70°C)
- **Humidity range:**
 - 10% to 99% RH

Indoor Thermometer TP-55 Features:

1. **Large Screen with Large Numbers:**
 - 4" large display for easy usability
 - Optional backlight and simple touchscreen
2. **Backlight Function:**
 - Blue backlight for easy reading in low light
 - Automatically turns off after 15 seconds
3. **Touch Screen:**
 - Switch between Fahrenheit (°F) and Celsius (°C)
 - Screen can light up for easy reading
 - Displays temperature/humidity data for all-time or last 24 hours
4. **Real-Time Temperature and Humidity Readings:**
 - Updates every 10 seconds
 - Humidity level icons indicate air conditions: DRY/COMFORT/WET
5. **Temperature and Humidity History:**
 - Measures and compares readings to 24-hour or all-time records
 - Helps adjust clothing based on previous conditions
6. **Trend Display:**
 - Displays trend of each reading
 - Allows proactive adjustments to thermostat or humidifier
7. **Multiple Mounting Options:**
 - Table-top
 - Wall hanging
 - Magnetic stick-up

Room Thermometer TP-55 Package Contents:

- 1 x Temperature and Humidity Monitor
- 2 x AAA Batteries
- 1 x User Manual

Additional Features:

- Large LCD display with touchscreen and backlight
- **Assembled dimensions:**
 - 4.30" x 3.30" x 0.80" (10.9 x 8.4 x 2 cm)
- Small and portable design with a large screen
- Reads humidity and temperature together
- High accuracy
- Convenient mounting for any room

4	Laboratory Oven	unit	1	250,000.00		250,000.00
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Specification:

Interior:

- Dimensions: 400 mm (W) x 560 mm (H) x 330 mm (D) (excluding 39 mm for fan)
- Material: Easy-to-clean stainless steel, reinforced with deep drawn ribbing
- Heating: Large-area heating on four sides
- Volume: 74 L
- Max. Number of Internals: 6
- Max. Chamber Loading: 120 kg
- Max. Loading per Internal: 20 kg

Textured Stainless Steel Casing:

- Dimensions: 585 mm (W) x 944 mm (H) x 514 mm (D) (including 56 mm for door handle)
- Housing Rear: Zinc-plated steel

Electrical Data:

- Voltage:
 - 230 V, 50/60 Hz (approx. 2500 W)
 - 115 V, 50/60 Hz (approx. 1800 W)

Temperature:

- Working Temperature Range: Ambient temperature + 5°C to +300°C
- Setting Accuracy:
 - Up to 99.9°C: ±0.1°C
 - From 100°C: ±0.5°C
- Setting Temperature Range: +20°C to +300°C
- Temperature Sensor: 1 Pt100 sensor DIN class A in 4-wire circuit

Control Technology:

- Language Setting: German, English, Spanish, French, Polish, Czech, Hungarian

- Controller: ControlCOCKPIT - SingleDISPLAY with digital PID-microprocessor controller and high-definition TFT-color display
- Timer: Digital backwards counter, adjustable from 1 minute to 99 days
- Function SetpointWAIT: Process time starts only when set temperature is reached
- Calibration: Three freely selectable temperature values
- Adjustable Parameters:
 - Temperature (Celsius or Fahrenheit)
 - Fan speed
 - Air flap position
 - Program time
 - Time zones
 - Summertime/wintertime

Ventilation:

- Fan: Forced air circulation by quiet air turbine, adjustable in 10% steps
- Fresh Air: Admixture of pre-heated fresh air by electronically adjustable air flap
- Vent: Vent connection with restrictor flap

5	Leaf Area Meter	unit	1	200,000.00		200,000.00
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Specification:

- Measuring Capabilities:
 - Leaf area
 - Average area
 - Leaf length
 - Leaf width
 - Leaf thickness
 - Perimeter
 - Length-to-width ratio
- Test Units: Millimeter, square millimeter
- Features:
 - Non-destructive and portable
 - Fine 1mm resolution
 - 16-hour battery life
 - Equipped with LED detectors
 - Precision: $\pm 2\%$
- Measurement Range:
 - Length: ?1000 mm
 - Width: ?160 mm
- Data Storage: 200 groups
- Battery: 6V
- Optional Accessory: RS-232 link with computer (via software)

6	Seed/Grain moisture meter	unit	1	76,000.00		76,000.00
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Specification:

Features:

- Digital display provides exact readings with no guessing or errors

Checked by: GENESIS C. ALBARICO		Funds Available: ALICIA M. FLORES 201-195	
TWG - Laboratory Equipment		HEAD, BUDGET OFFICE 00-25	
Signature:	Prepared by: MILESA C. MARSADO	Noted by: LUZ G. ASIO 11/4/24	Approved by: PROSE IVY G. YEPES
Printed Name:			
Designation:		UNIT HEAD, PROJECT LEADER	PRESIDENT, VSU

Item Description	Unit	Qty	Unit Cost	FABACS	Total Cost
1. Laboratory Equipment	Unit	1	\$2,000.00		\$2,000.00
Specification:					
<ul style="list-style-type: none"> • Computer monitor • Keyboard • Mouse • Network cable (Cat 5e) 100 ft • Power supply 500W • Case tower • Operating system (Windows 10) • Software (Microsoft Office 2019) • Antivirus software • Backup software • Firewall software • Security software • Data recovery software • Remote access software • Cloud storage • Virtualization software • Database software • Analytics software • CRM software • ERP software • HR software • Payroll software • Accounting software • Inventory management software • Project management software • CRM software • ERP software • HR software • Payroll software • Accounting software • Inventory management software • Project management software 					
2. Laboratory Equipment	Unit	1	\$2,000.00		\$2,000.00
Specification:					
<ul style="list-style-type: none"> • Computer monitor • Keyboard • Mouse • Network cable (Cat 5e) 100 ft • Power supply 500W • Case tower • Operating system (Windows 10) • Software (Microsoft Office 2019) • Antivirus software • Backup software • Firewall software • Security software • Data recovery software • Remote access software • Cloud storage • Virtualization software • Database software • Analytics software • CRM software • ERP software • HR software • Payroll software • Accounting software • Inventory management software • Project management software • CRM software • ERP software • HR software • Payroll software • Accounting software • Inventory management software • Project management software 					