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PR-2024-1008-229028



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

PURCHASE REQUEST

PPMP No. : **PPMP-2025-092824-0708**PR No.: **GF-2024-10-02569**Date: **10-08-2024**Dept./Office: **DFST**Category: **Laboratory
Equipment**Section/End-User: **Ivy C. Emnace**Project Title/Code: **VSU-IP-2023-8**Funding Source: **General Fund - MOOE**

Item #	Item Description	Unit	Qty	Unit Cost	PAR/ICS	Total Cost
1	Cassava Grater	unit	1	7,499.00		7,499.00
Specification: Dimensions: 60*32*74cm Weight: 15KG Production: 1200-1500kg/hr Voltage: 220v/60hz Image Reference:						



Cassava/ Sweet
Potato/ Kamote



**1500kg per hour
production**



**Cassava Grater Heavy Duty
(Stainless Steel) Brand New**

2	Cassava Pulverizer	unit	1	5,250.00	5,250.00

Specification:

Specifications:

- **Voltage:** 220V, 50Hz
- **Motor Power:** 2.2 kW
- **Dimension:** 46 x 25.5 x 28 cm
- **Weight:** 38 kg
- **Motor:** Aluminum core
- **Energy Source:** Electricity Powered
- **Capacity:** 35-40 kg/hr

3	Hand-held digital colorimeter	unit	1	15,999.00	15,999.00
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Specification:

Display Size	TFT 2.8"
Product name	Portable colorimeter
Application	Colorimeter
Function	High precision colorimeter
Measuring Range	L: 0 to 100
Illuminating/viewing geometry	8/d

The Unit is Battery Powered and Rechargeable:

Rechargeable lithium-ion battery 3.7V@3200mAh

Product Reference:

GAOTek Hand-held Digital Colorimeter With Lab For Powder Paste Color Check - GAO Tek

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4	High Duty Blender	unit	1	7,000.00	7,000.00
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Specification:

Specifications:

- **Power:** 375-watt motor
- **Speed:** 10-speed push button
- **Function:**
 - Controlled/pulse blending (buttons 1-3)
 - Continuous blending (buttons 4-10)
- **Durability:** Exclusive All-Metal Drive™ system

- **Blade:** High-performance ice-crushing stainless steel blade
- **Capacity:** 5-cup (1.25L) heat-resistant glass jar
- **Warranty:** 1 Year Household Warranty
- **Dimensions:** 26 x 18 x 32 cm

5	Rapid Visco Analyzer	unit	1	49,999.00	49,999.00
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Specification:

Models:

- **RVA 4800**
- **RVA 4500**
- **RVA-TecMaster**
- **RVA-StarchMaster2**

Power Requirements:

- **RVA 4800:** 240 VAC, 3.5 A, 50/60 Hz / 115 VAC, 5 A, 50/60 Hz
- **RVA 4500:** 240 VAC, 3.5 A, 50/60 Hz / 115 VAC, 5 A, 50/60 Hz
- **RVA-TecMaster:** 240 VAC, 3.5 A, 50/60 Hz / 115 VAC, 5 A, 50/60 Hz
- **RVA-StarchMaster2:** 240 VAC, 3.5 A, 50/60 Hz / 115 VAC, 5 A, 50/60 Hz

Input/Output:

- **RVA 4800:** USB port, RS232 serial port
- **RVA 4500:** USB for PC, LIMS, USB drive, label printer, keyboard, barcode scanner
- **RVA-TecMaster:** USB for PC, LIMS, USB drive, label printer, keyboard, barcode scanner
- **RVA-StarchMaster2:** USB for PC, LIMS, USB drive, label printer, keyboard, barcode scanner

Dimensions (HxWxD):

- **RVA 4800:** 382 x 306 x 345 mm
- **RVA 4500:** 382 x 306 x 345 mm
- **RVA-TecMaster:** 320 x 254 x 398 mm
- **RVA-StarchMaster2:** 320 x 254 x 398 mm

Net Weight:

- **RVA 4800:** 19 kg
- **RVA 4500:** 18 kg
- **RVA-TecMaster:** 18 kg
- **RVA-StarchMaster2:** 18 kg

Temperature Range:

- **RVA 4800:** 0-140°C
- **RVA 4500:** 0-99.9°C
- **RVA-TecMaster:** 0-99.9°C
- **RVA-StarchMaster2:** 0-99.9°C

Heating/Cooling Rate:

- **All Models:** Up to 14°C/minute (infinitely variable).

Coolant Consumption:

- **All Models:** Water, 1 l/min at cooling, 100-250 kPa.*

Speed Range:

- **All Models:** Computer controlled infinitely variable 0.20 – 2000 rpm

Viscosity Range:

- **RVA 4800 & RVA 4500:**
 - 20-50,000 cP at 80 rpm
 - 10-25,000 cP at 160 rpm
- **RVA-TecMaster:**
 - 40-16,000 cP at 80 rpm
 - 20-8,000 cP at 160 rpm
- **RVA-StarchMaster2:**
 - 40-16,000 cP at 80 rpm
 - 20-8,000 cP at 160 rpm

Viscosity Accuracy:

- **RVA 4800:** $\pm 2\%$ for S2000 oil nominal 5000 cP
- **RVA 4500:** $\pm 3\%$ for S2000 oil nominal 5000 cP

Preference:

- Preferably the RVA 4800 or RVA 4500

	TOTAL					85,747.00
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Purpose: For cassava processing and storage of cassava paste, flour and starch.

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Checked by:		Funds Available:	
GENESIS C. ALBARICO		ALICIA M. FLORES	
TWG - Laboratory Equipment		HEAD, BUDGET OFFICE	
Signature:	Prepared by:	Noted by:	Approved by:
Printed Name:	IVY C. EMNACE	IVY C. EMNACE	PROSE IVY G. YEPES
Designation:		UNIT HEAD, PROJECT LEADER	PRESIDENT, VSU