



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



PURCHASE REQUEST

PPMP No. : 44-2-1543-2023-0-0-4

PR No.: GF-2023-04-00643

Date: 04-13-2023

Dept./Office: DStat

Category: Electronics

Section/End-User: Monna E. Bengalan

Project Title/Code: Completion and Refurbishing of the
Old Library Annex Building (Tech and Scientific
Equipment Savings)-2023b

Funding Source: General Fund - CO

Item #	Item Description	Unit	Qty	Unit Cost	PAR/ICS	Total Cost
1	Automatic Voltage Regulator 1000 W with Time Delay and Uninterruptible Power Supply (UPS)	lot	1	55,000.00		55,000.00

Specification:

1. Automatic Voltage Regulator 1000 W with Time Delay- 5 pcs. x PhP 4,000.00= PhP 20,000.00

Specifications:

- Model :SVC-1000N
- Servo Motor Type
- Power On Time Delay Protection
- Capacity Load: 1000Watts Max Surge / 330w Continuous Motorized / 500w Continuous Electronic
- Voltage Regulation: Servo Motor
- Power On Delay: Yes, Around 2 Minutes
- Surge Protection: Yes / FUSE
- Power Input: 160V to 250Volts AC, 60Hz
- 110V Output: Yes x 1, 2Prong
- 220V Output: Yes x 2, 2Prong
- Voltage Meter: Yes, Analog
- Ampere Meter: None
- Usage: (Home - Yes) / (Commercial - Yes) / (Industrial - No)

2. Uninterruptible Power Supply (UPS)- 5 pcs. x PhP 7,000.00= PhP 35,000.00

Specifications:

Ratings: 2000 VA/ 1200 W

Battery- 2x 12V/ 9 Ah

Interface- US Standard Socket

Form Factor- Tower

2	Electronics Tools and Instruments	lot	1	138,000.00		138,000.00
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Specification:

Digital Multimeter -> 10 units – PhP 130,000.00

For measuring AC & DC current, resistance, capacitance, continuity, frequency, duty cycle and diode

Toolbox -> 2 units – PhP 2,000.00

Dimensions: 494 x 263 x 250 mm

With removable tote tray

Lineman Pliers Set -> 1 unit – PhP 2,000

3-pc Set of Insulated Chrome Vanadium Steel of:

Regular pliers, Long Nose pliers, and Diagonal Cutting pliers

Extra Long Nose Pliers Set -> 1 unit – PhP 3,000

1 pc. 0° Plier Length: 285mm/ 11.22inch.

1 pc. 45° Plier Length: 280mm/ 11..02inch.

1 pc. 90° Plier Length: 265mm/ 10.43inch.

1 pc. O Shape Plier Length: 275mm/ 10.83inch.

Multi-functional automatic wire stripping pliers -> 1 unit – PhP 1,000

Self-adjusting Automatic Wire Stripper/Cutting Pliers for wire stripping, cutting, crimping, and installing TAB Terminal

3	Various Electronic Components and Supplies	lot	1	59,500.00		59,500.00
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Specification:

HDMI Cable -> 10 units – PhP 10,000

10 meters

830 breadboard set electronic component basic starter kit with breadboard cable resistor capacitor led potentiometer -> 20 units – PhP 12,000

1 power supply

1 830-point breadboard

65 pcs jumper wires

140 pcs solderless jumper wires

20 pcs female-to-male dupont wire

2 pcs pin header (40 pin)

1 precision potentiometer

2 photoresistors

1 thermistor

5 pcs rectifier diode (1N40007)

5 pcs NPN transistor (PN2222)

- 1 IC 4N35
- 1 IC 74HC595
- 1 active buzzer
- 1 passive buzzer
- 10 pcs button (small)
- 10 pcs 22pF ceramic capacitor
- 10 pcs 104 ceramic capacitor
- 5 pcs electrolytic capacitor (10uF, 50V)
- 5 pcs electrolytic capacitor (100uF, 50V)
- 10 pcs white LED
- 10 pcs yellow LED
- 10 pcs blue LED
- 10 pcs green LED
- 10 pcs red LED
- 10 pcs RGB LED
- 10 pcs 10R resistor
- 10 pcs 100R resistor
- 10 pcs 220R resistor
- 10 pcs 330R resistor
- 10 pcs 1K resistor
- 10 pcs 2K resistor
- 10 pcs 5K1 resistor
- 10 pcs 10K resistor
- 10 pcs 10K resistor
- 10 pcs 1M resistor

Single-Sided Copper Clad Board FR4 With 357m Copper Thick, 200 x 300 x 1.6mm -> 2 units - PhP 3,000

PCB Developing Kit with Transfer Film -> 1 unit - PhP 2,000

Non-Corrosive Soldering Paste (used for welding and desoldering) -> 1 unit - PhP 100

Soldering Iron -> 6 units - PhP 1,200

Mini Soldering Iron with Adjustable Temperature, 60W

Soldering Iron Stand -> 6 units - PhP 900

Stainless Steel spiral, 90mm long

Desoldering Pump -> 2 units - PhP 300

Replaceable and Self Cleaning tip
Sealed vacuum chamber

Microcontroller -> 10 units – PhP 30,000

- microcontroller board (ATmega328P based)
- 14 digital inputs/outputs (six of which can be used as PWM outputs)
- six analog inputs
- has a 16MHz ceramic resonator
- has a USB-C connector
- has a reset button

CIRCUIT OPERATING VOLTAGE: 5V
INPUT VOLTAGE (LIMIT): 6-12V
BATTERY CONNECTOR: None.
DC CURRENT PER: I/O PIN 20 mA
DC CURRENT FOR: 3.3V PIN 50 mA
MAIN PROCESSOR: ATmega328P 16 MHz
USB-SERIAL PROCESSOR: ATmega16U2 16 MHz
MEMORY: ATMEGA328P 2KB SRAM, 32KB FLASH, 1KB EEPROM

	TOTAL						252,500.00
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Purpose: For academic use

Checked by:  DIONESIO I. ESTUPA		Funds Available:  ALICIA M. FLORES	
TWG - Electronics		HEAD, BUDGET OFFICE	
Requested by:  MONNA E. BENGALAN	Noted by:  PAULO G. BATIDOR	Approved by:  EDGARDO E. TULIN	
Signature: Printed Name: Designation:	END USER	UNIT HEAD, PROJECT LEADER	PRESIDENT, VSU