

06-20-24  
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PR-2024-0613-203307



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

## PURCHASE REQUEST

PPMP No. : **PPMP-2024-060324-0164**

PR No.: **STF-2024-06-01264**

Date: **06-13-2024**

Dept./Office: **DGE**

Category: **Mapping &  
Surveying Materials**

Section/End-User: **James B. Escudra**

Funding Source: **Special Trust Fund**

Project Title/Code: **DGE-2024-STF-05**

Item #	Item Description	Unit	Qty	Unit Cost	PAR/ICS	Total Cost
1	<b>Automatic Level with Tripod</b>	unit	2	35,000.00		70,000.00

### Specification:

#### Automatic Level

- Magnification: 32x
- Dust and Splash Protection: IP 54
- Unit of Measure: 360 degrees
- Accuracy:  $\pm 1$  mm at 30 m
- Working Range: 120m
- Tripod Thread: 5/8"
- Operating Temperature: -10 – 50 °C
- Storage temperature: -20 – 70 °C

#### Inclusion:

- Plumb Bob
- Carrying Case
- Lens Cover
- Adjusting Pin

#### Tripod

- Work height: 97 – 160 cm
- Work height, up to: 160 cm
- Tripod thread: 5/8"

2	<b>Handheld GPS</b>	pieces	4	15,000.00		60,000.00
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### Specification:

- PHYSICAL DIMENSIONS: 2.1" x 4.0" x 1.3" (5.4 x 10.3 x 3.3 cm)
- DISPLAY SIZE: 1.4" x 1.7" (3.5 x 4.4 cm); 2.2" diag (5.6 cm)
- DISPLAY RESOLUTION: 240 x 320 pixels
- DISPLAY TYPE: 2.2" transfective, 65K color TFT
- WEIGHT: 5 oz (141.7 g) with batteries
- BATTERY: 2 AA batteries (not included); NiMH or Lithium recommended
- BATTERY LIFE: 25 hours

- WATER RATING: IPX7
- MEMORY/HISTORY: 8GB
- HIGH-SENSITIVITY RECEIVER: Yes
- INTERFACE: USB
- Maps & Memory
- PRELOADED MAPS: Yes (TopoActive; routable)
- ABILITY TO ADD MAPS: Yes
- BASEMAP: Yes
- MEMORY STORAGE AND POWER CAPACITY: microSD™ card (not included)
- WAYPOINTS/FAVORITES/LOCATIONS: 2000
- ROUTES: 200
- TRACK LOG: 10,000 points, 200 saved tracks

3	<b>Lensatic Compass</b>	pc	10	400.00		4,000.00
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**Specification:**

**Features**

- Liquid filled for reliable readings
- Luminous letters for enhanced night navigation
- Rotatable metal loop hooks to gear
- Durable plastic case
- Dimensions: 9.53x3.18x20.32 cm

4	<b>Surveyor's Tape, 30M</b>	pc	10	2,500.00		25,000.00
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**Specification:**

**Specifications**

- Length: 30 meters
- Blade Width: 12 mm
- Open Case: Yes
- Series: 100/30
- Coating: PVC

**Features**

- High visibility
- Impact resistant yellow ABS case
- Bi-material handle with winder
- Metric/imperial blade, printed both sides
- 26 fiberglass strands for strength and minimal stretching

5	<b>Total Station</b>	unit	1	180,000.00		180,000.00
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**Specification:**

**Angle Measurement**

- Measurement Method: Absolute encoding
- Minimum Readout: 1°/5°/10°(0.3mgon/1.5mgon/3mgon)optional
- Accuracy: 2"

#### Distance Measurement (with reflector)

- Single Prism: 3000m (9,842ft.) under good condition
- Three Prisms: 6000m (19,685ft.) under good condition
- Reflective Sheet: 800m (2,624 ft.)
- Accuracy: 2mm +2ppm
- Measuring Time (Fine/Quick/Tracking): 1s/ 0.5s

#### Distance Measurement (reflectorless)

- Reflectorless Range: 400M
- Single Prism: >7500m (24606ft.)
- Accuracy: 3mm+2ppm
- Measuring Time: 1.5s

#### Telescope

- Magnification: 30X
- Field of View: 1°30' (2.7m at 100m)
- Minimum Focusing Distance: 1.5m
- Reticle: Illuminated

#### Compensator

- System: Dual-axis (optional)
- Working Range: ±3'
- Setting Accuracy: 1'

#### Bluetooth

- Interface: Standard RS232, SD card, USB pen drive
- Internal Data Memory: Approx. 20,000 Points
- Data Format: ASCII

#### Operation

- Operation system: English Real-time Operating System
- Display: 2.8-inch High resolution backlight black and white display with contrast adjustment/ Graphics: 240 x 320 pixels / Character: 6 lines x 25 characters
- Keyboard: 2 sides Alphanumeric backlit crystal keyboard

#### Laser Plummet

- Type: Laser point, 4 brightness levels adjustment / Optical plummet (optional)
- Centering Accuracy: 1 mm at 1.5m instrument height

#### Power Supply

- Battery Type: Rechargeable Li-ion battery
- Voltage/Capacity: ZBA-400: 7.4V (DC) / 3000mAh
- Operating Time With ZBA-400: Optimal 16 hours5 (Continuous angle measurement every 30 seconds) / 10 hours (typical)
- Measuring Times: Approx. 12000 times



Environmental

- Operating Temperature: -20°C ~+50°C( -4°F to +122°F)
- Storage Temperature: -40°C ~+70°C(-40°F to +158°F)
- Dust&Water Proof (IEC60529 Standard)/Humidity: IP55

Warranty

- 1 year


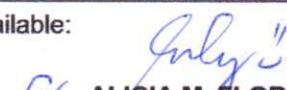

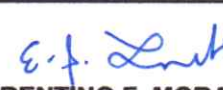
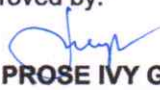
6	Tripod for Total Station	pc	1	5,000.00		5,000.00
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Specification:

- Material : Aluminum & Steel
- Height : 39 inches, 99. cm approx.
- Head Thread Dia 15 centimeter
- Extended Height : Centimeter
- Double lock

	<b>TOTAL</b>					<b>344,000.00</b>
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Purpose: Laboratory use

Checked by:  <b>MARTIN JAN E. MERCURIO</b>		Funds Available:  <b>for ALICIA M. FLORES</b> <i>UNITFAST</i>	
TWG - Mapping & Surveying Materials		HEAD, BUDGET OFFICE	
Signature:	Prepared by: 	Noted by: 	Approved by: 
Printed Name:	<b>JAMES B. ESCUADRA</b>	<b>FLORENTINO F. MORALES JR.</b> <i>6/14/24</i>	<b>PROSE IVY G. YEPES</b>
Designation:		UNIT HEAD, PROJECT LEADER <i>SLC</i>	PRESIDENT, VSU