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PR-2024-1007-228270



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

## PURCHASE REQUEST

PPMP No.: 5-5-2097-2025-1-0-3

PR No.: STF-2024-10-02222

Date: 10-07-2024

Dept./Office: DBS

Category: Laboratory  
Equipment

Section/End-User: Alma . Gofredo

Project Title/Code: DBS Lab Share 1st Sem.2023-  
Summer 2024

Funding Source: Special Trust Fund

Item #	Item Description	Unit	Qty	Unit Cost	PAR/ICS	Total Cost
1	Bottom Aquatic Kick Net	pc	1	23,000.00	EUNICE KENEE L. SERIAO	23,000.00

**Specification:****Description:**

- Designed to collect benthic macroinvertebrates in shallow flowing rivers with moderate current and fine, loose sediments.

**Frame:**

- **Type:** Stainless steel rectangular frame
- **Dimensions:** 10? x 18?

**Handle:**

- **Type:** Detachable aluminum handle
- **Length:** 60?
- **Attachment:** Stainless steel threaded attachment for secure connection

**Net:**

- **Depth:** 10?
- **Material:** Reinforced 500-micron Nitex® nylon net

This Bottom Aquatic Kick Net is designed for effective sampling of benthic macroinvertebrates while ensuring durability and ease of use in aquatic environments.

2	Current Meter	unit	1	30,000.00	DONNA G. VALIDA	30,000.00
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**Specification:**

- **Speed:**
  - **Accuracy:** 0.3 cm/sec
  - **Resolution:** 0.03 cm/sec
  - **Range:** 0-300 cm/sec
- **Direction:** ± 2 degrees
- **Compass:** 3D RS-232 compass
- **Tilt Measurement:** 3D
- **Dimensions:**
  - **Diameter:** 3.25 inches

- **Length:** 25 inches
- **Weight:** 5 lbs (in air)
- **Additional Features:**
  - Transport case
  - Internal software
  - Zinc anodes
  - User manual included

3	D-Frame Aquatic Dip Net	pc	1	20,000.00	EUNICE KENEE L. SERI/O	20,000.00
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**Specification:**

**Description:**

- Designed to collect benthic macroinvertebrates in shallow flowing rivers with moderate current and fine, loose sediments.

**Mouth:**

- Dimensions: **305 x 254 mm** (12 x 10 inches)

**Bag:**

- Depth: **559 mm** (22 inches)

**Shroud:**

- Type: **Bottom only**

**Net Ring:**

- Material: **10 mm** (3/8 inch) diameter stainless steel
- Attachment: Clipped to frame with pig clip net rings

**Reinforcement:**

- Internal rope reinforcement for added durability

**Mesh:**

- Material: **500 micron** Nitex mesh

This D-Frame Aquatic Dip Net is designed for efficient and durable collection of benthic macroinvertebrates in various aquatic environments.

4	Hess Stream Bottom Sampler, 1000um Mesh	unit	1	90,000.00	DONNA G. VALIDA	90,000.00
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**Specification:**

- **Mesh Size:** 1000 µm
- **Material:** Nylon Nitex® bolting cloth (for the forward window)
- **Application:** Effectively samples gravel and cobble stream bottoms
- **Construction:** Stainless steel cylinder with two large windows
- **Handles:** Strong handles for forcing the cylinder into stream bottoms
- **Penetration Depth:** Adjustable
- **Water Flow:**
  - In through the upstream window
  - Out through the downstream window

- Collects samples in a net and bucket
- **Cylinder Dimensions:**
  - Inside Diameter: 13 inches (I.D.)
  - Height: 16 inches (H)
  - Area: 133 square inches

5	PH Meter	unit	1	84,000.00	DONNA G. VALIDA	84,000.00
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**Specification:**

- **Type:** Bench Top
- **Data Points:** 50
- **Display Type:** LCD
- **Languages:** English
- **Log Function Type:**
  - Automatic data logging with Auto-Read measure mode
  - Manual data logging with Continuous measure mode
- **Temperature Range (English):**
  - Operating: 41°F to 113°F (ambient)
  - Measurement: 22.0°F to 221.0°F
- **Temperature Range (Metric):**
  - Operating: 5°C to 45°C (ambient)
  - Measurement: -5.0°C to 105.0°C
- **Stability:** Smart Stability and Smart Averaging
- **Resolution (Temperature):** 0.1°C, 0.1°F
- **Temperature Probe Calibration:** 1-point temperature offset calibration
- **Temperature Selection:** Manual or automatic with ATC temperature probe
- **Accuracy:**
  - pH: ±0.01pH
  - mV: ±0.2 mV or ±0.05% of reading, whichever is greater
  - Temperature: ±0.1°C
- **Battery Life:** 2000 hours
- **Battery Type:** 4 x AA (sold separately)
- **Calibration:**
  - pH, relative mV (RmV), and temperature
  - Calibration Points: 1 to 3
- **Data Management:** Internal data point memory
- **Channels:** 1
- **Weight:**
  - Metric: 0.9 kg
  - English: 2 lb.
- **AC Adapter:** Universal 50-60 Hz, 100-240 VAC power adapter (Cat. No. 1010003)
- **Warranty:** 3-year meter warranty

6	Plankton net	unit	1	17,500.00	DONNA G. VALIDA	17,500.00
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**Specification:**

**Plankton Net Specifications**

- **Plankton Net Assembly:** 50 cm Diameter, 3/1 Size



- **Mouth Ring Diameter:** 50 cm
- **Mesh Size:** 500 µm
- **Net Height:** 150 cm

**Complete Assembly Components:**

- Net
- Mouth Ring
- Cod End Assembly (choice of cod end jar or bucket)
- Three-Point Bridle
- Optional Add-ons:
  - Flowmeter
  - Choker Band

7	<b>Surber Stream Bottom Sampler</b>	pc	1	35,000.00	EUNICE KENEE L. SERIO	35,000.00
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**Specification:**

**Description:**

- Designed to collect benthic macroinvertebrates in shallow flowing rivers with moderate current and fine, loose sediments.

**Portability and Ease of Use:**

- Portable and easy to use
- Large filtering area allows for easy hand insertion to remove collected specimens

**Frame Construction:**

- Two pivoting solid stainless-steel frames
- Lockable brace latches to hold frames at right angles to each other
- Frames made of corrosion-resistant stainless steel

**Net Specifications:**

- Material: Nitex® bolt cloth with taffeta wings for durability
- Diameter: 9 inches where the net collar meets the net filter
- Length: 24 inches from collar to filter (folds flat for storage)
- Open base area: 12 x 12 inches (one square foot)
- Mesh Size: 500 microns (500 µm Nitex)

**Included Accessories:**

- Includes: 910-G22 (large) case

8	<b>Tuna Cravat Clip</b>	pc	1	200.00	SENONA A. CESAR	200.00
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**Specification:**

Stainless Steel Tagline, 4-5 inch clip

