

0372



PR-2023-0503-114773



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

PURCHASE REQUEST

PPMP No. : 33-5-2630-2023-9-0-1

PR No.: GF-2023-05-00784

Date: 05-03-2023

Dept./Office: CET

Category: Laboratory
EquipmentDuration: 2022-07-01
to

Section/End-User: Mirzi Olga P. Degracia

2024-12-31

Funding Source: General Fund - MOOE

Project Title/Code: VSU-IP-2022-7

Item #	Item Description	Unit	Qty	Unit Cost	PAR/ICS	Total Cost
1	Hydroponic Waterproof pH/EC/TDS/Temperature Portable Meter	pc	1	18,000.00		18,000.00

Specification:

?pH Range: 0.00 to 14.00 pH
 ?pH Resolution: 0.01 pH
 ?pH Accuracy: ± 0.1 pH
 ?pH Calibration: automatic, at one or two points using standard buffers (pH 4.01, 7.01, 10.01); one point calibration using quick calibration solution
 ?pH Temperature Compensation: automatic
 ?EC Range: 0.00 to 6.00 mS/cm
 ?EC Resolution: 0.01 mS/cm
 ?EC Accuracy: $\pm 2\%$ F.S.
 ?EC Calibration: automatic, one-point at 1.41 mS/cm or 5.00 mS/cm; one point calibration using quick calibration solution
 ?TDS Range: 0 to 3000 ppm (500 CF); 0 to 3999 ppm (700 CF)
 ?TDS Resolution: 10 ppm (mg/L)
 ?TDS Accuracy: $\pm 2\%$ F.S.
 ?TDS Calibration: done through conductivity
 ?EC/TDS Temperature Compensation: EC/TDS
 ?EC to TDS Conversion Factor: 0.5 (500 ppm) or 0.7 (700 ppm)
 ?Cell Type: amperometric two pole
 ?Temperature Range: 0.0 to 60.0°C / 32.0 to 140.0°F
 ?Temperature Resolution: 0.1°C / 0.1°F
 ?Temperature Accuracy: $\pm 0.5^\circ\text{C}$ / $\pm 1^\circ\text{F}$
 ?Automatic Shut-Off: auto-off after 8 minutes of non-use
 ?Battery Type/Life: 1.5V (4) / approx. 100 hours of continuous use
 ?Environment: 0 to 50°C (32 to 122°F); RH max 100%
 ?Dimensions: 163 x 40 x 26 mm (6.4 x 1.6 x 1.0")
 ?Weight: 100 g (3.5 oz.)

2	Nitrate Ion Selective Electrode	pc	1	50,000.00		50,000.00
Specification:						

- Range : 1 to 62,000 ppm or mg/L pH range 2.5-11
- Electrode slope: 55 ± 3 mV/ decade
- Interferences: ClO_4^- , I^- , ClO_3^- ,
- Electrode type: PVC Membrane

3	Smart Dissolved Oxygen Meter	set	1	15,000.00	15,000.00
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Specification:

Specifications:

O2 Range 0.0 to 19.9 mg/l

O2 Resolution 0.1 mg/l

O2 Accuracy $\pm 1.5\%$ Full scale

Calibration manual on 2 points (zero and slope)

Temperature Compensation automatic, from 0 to 30°C






Probe MA840 (included)

Environment 0 to 50°C/ 32 to 122°F; max RH 95%

Battery-operated

	TOTAL				83,000.00
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Purpose: Testing of samples

Checked by:  ELIZABETH S. QUEVEDO TWG - Laboratory Equipment		Funds Available:  ALICIA M. FLORES HEAD, BUDGET OFFICE	
Signature: Printed Name: Designation:	Requested by:  MIRZI OLGA P. DEGRACIA END USER	Noted by:  JANET C. BENCURE UNIT HEAD, PROJECT LEADER	Approved by:  EDGARDO E. TULIN PRESIDENT, VSU