



SUPPLEMENTAL/BID BULLETIN NO. 1

Date: December 11, 2024
Title: IB-2024-11-39 EARLY PROCUREMENT ACTIVITY (EPA) FOR SUPPLY, DELIVERY, AND INSTALLATION OF LABORATORY EQUIPMENT
Reference No.: 11543740

This bulletin is being issued to revise/clarify certain portions of the bidding documents. This shall form an integral part of the bidding document for the above-mentioned procurement project.

GENERAL QUERIES	AMMENDMENTS/ CLARIFICATIONS												
<ul style="list-style-type: none"> Is the awarding per item or per lot? 	<ul style="list-style-type: none"> The Project shall be awarded as one (1) Project having several lots, which shall be awarded as separate contracts per lot. In case more than one (1) lot is awarded to the same bidder, one (1) contract may be entered into containing all the lots awarded. <p><i>(This is to amend ITB Clause 19.4 of the Instructions to Bidders)</i></p>												
<ul style="list-style-type: none"> Regarding with the bid docs fee of Php25,000.00, if ever we will be joining only few items, are we also required to pay the whole Php25,000.00 or will it be according to the items that we will be participating in? 	<ul style="list-style-type: none"> A complete set of Bidding Documents may be acquired by interested Bidders November 28, 2024 – December 19, 2024 (except on Saturdays, Sundays & Holidays) from the given address below and upon payment of the applicable fee for the Bidding Documents, pursuant to the latest Guidelines issued by the GPPB, in the amount of: <table border="1" data-bbox="760 1497 1443 1928"> <thead> <tr> <th>Total ABC of the Lot/s</th> <th>Cost of Bidding Documents (in Php)</th> </tr> </thead> <tbody> <tr> <td>500,000.00 and below</td> <td>500.00</td> </tr> <tr> <td>More than 500,000.00 up to 1 million</td> <td>1,000.00</td> </tr> <tr> <td>More than 1 million up to 5 million</td> <td>5,000.00</td> </tr> <tr> <td>More than 5 million up to 10 million</td> <td>10,000.00</td> </tr> <tr> <td>More than 10 million up to 50 million</td> <td>25,000.00</td> </tr> </tbody> </table> <p>The Procuring Entity shall allow the bidder to present its proof of payment for the fees in person or through e-mail at evsu.bacsecretariat@evsu.edu.ph.</p> <p><i>(This is to amend IB Clause 5 of the Invitation to Bid)</i></p>	Total ABC of the Lot/s	Cost of Bidding Documents (in Php)	500,000.00 and below	500.00	More than 500,000.00 up to 1 million	1,000.00	More than 1 million up to 5 million	5,000.00	More than 5 million up to 10 million	10,000.00	More than 10 million up to 50 million	25,000.00
Total ABC of the Lot/s	Cost of Bidding Documents (in Php)												
500,000.00 and below	500.00												
More than 500,000.00 up to 1 million	1,000.00												
More than 1 million up to 5 million	5,000.00												
More than 5 million up to 10 million	10,000.00												
More than 10 million up to 50 million	25,000.00												





GENERAL QUERIES	AMMENDMENTS/ CLARIFICATIONS
<ul style="list-style-type: none"> Do you have a preferred color of the envelope to be submitted? 	<ul style="list-style-type: none"> No, any color is acceptable, provided that, the bidder shall follow the provisions of proper sealing and marking of bids provided in the PBD.
<ul style="list-style-type: none"> May we request for the delivery period of 60 calendar days be extended to 90 calendar days? 	<ul style="list-style-type: none"> The EASTERN VISAYAS STATE UNIVERSITY now invites bids for the above Procurement Project. Delivery of the Goods is required by EVSU, Tacloban City within Ninety (90) calendar days from the receipt of Notice to Proceed. Bidders should have completed, within 2 years from the date of submission and receipt of bids, a contract similar to the Project. The description of an eligible bidder is contained in the Bidding Documents, particularly, in Section II (Instructions to Bidders). <i>(This is to amend IB Clause 2 under the Invitation to Bid)</i>
<ul style="list-style-type: none"> I would like to clarify the specification that stated in the item 2 (Mechanical Shakers), 6 (Atomic Absorption Spectrophotometer), 11 (Stereomicroscope) and 20 (Microvolume UV-Vis Spectrophotometer). that the supplier must have "Accessible repair facility in Eastern Visayas or Cebu". We do not have service center in Visayas but we have service Engineers who do the repair and PMS in Visayas area. Can we suggest instead of local service center in Cebu or Eastern Visayas. we suggest to: "Required to have some authorized representative in Eastern Visayas. Technical support: Must be reachable by phone, available at least from 8am -5pm daily. 24/7 response time for online support and troubleshooting". 	<ul style="list-style-type: none"> Service Centers and Technical Support: We support allowing authorized representatives in Eastern Visayas to provide technical support. This includes availability from 8 AM to 5 PM daily and a 24/7 online response time for troubleshooting, as an alternative to a local repair facility.





GENERAL QUERIES	AMMENDMENTS/ CLARIFICATIONS
<ul style="list-style-type: none"> • Item No.2 (Mechanical Shakers): <ul style="list-style-type: none"> - Would it be fine to have a range of 40-500RPM for the speed? - What is the motion type needed for the Mechanical Shakers, is it orbital or linear? - Can we offer 32x32cm for the platform size? Or just provide a range for the dimensions and other specs? 	<ul style="list-style-type: none"> • Mechanical Shakers: <ul style="list-style-type: none"> - Speed Range: Acceptable speed range is 40 to 500 RPM. - Motion Type: Either orbital or linear motion acceptable for our applications, but orbital is preferred. - Platform Dimensions: Dimensions should be within a range such as 20x20 cm to 32x32 cm. Compact models are highly suggested. - Interchangeable or modular platforms (test tubes, microplates, or small flasks) are also preferred.
<ul style="list-style-type: none"> • Item No. 6 (Atomic Absorption Spectrophotometer): <ul style="list-style-type: none"> - We would like to clarify what are the specific elements that will be tested using those specifications, because we need to configure what are the elements to be tested. 	<ul style="list-style-type: none"> • Atomic Absorption Spectrophotometer (AAS): <ul style="list-style-type: none"> - The focus elements for our department are cadmium, lead, nickel, mercury, arsenic, copper, and zinc, which are essential for our environmental science research. These elements are analyzed to measure bioaccumulation levels in water, soil, and organic matter.
<ul style="list-style-type: none"> • Item No. 7 (Fume Hood): <ul style="list-style-type: none"> - Would it be possible to change the fluorescent lamp from 14W to 12W? Can we offer 12W x 2 instead? 	<ul style="list-style-type: none"> • Fume Hood (Item No. 7): <ul style="list-style-type: none"> - The fluorescent lamp wattage can be specified as 14W x 2 or 12W x 2.
<ul style="list-style-type: none"> • Item No. 9 (Biosafety Cabinet (Biosafety Level 2)): <ul style="list-style-type: none"> - Can we generalize some of the specifications, for example the sizes? Also, can you consider other forms of filtration since for this one you indicate ULPA filter and we have HEPA filter? 	<ul style="list-style-type: none"> • Biosafety Cabinet (Biosafety Level 2): <ul style="list-style-type: none"> - Size Range: The cabinet dimensions are: <ul style="list-style-type: none"> ✓ External Dimensions: The acceptable range is 1200–1340 mm x 700–810 mm x 1200–1400 mm (47.2”–52.8” x 27.6”–31.9” x 47.2”–55.1”). ✓ Internal Dimensions: The acceptable range is 1100–1220 mm x 500–580 mm x 600–670 mm (43.3”–48.0” x 19.7”–22.8” x 23.6”–26.4”). - Filtration Systems: The filtration can allow for either ULPA or HEPA filters, provided the filtration efficiency meets or exceeds 99.995% for particles ≥0.3 microns.





GENERAL QUERIES	AMMENDMENTS/ CLARIFICATIONS
<ul style="list-style-type: none"> • Item no. 15 (Oven): <ul style="list-style-type: none"> - For the capacity, can we ask for a range instead of just specifying 256L. Can you consider bracketing it from 250 to 260L? 	<ul style="list-style-type: none"> • Oven (Item No. 15): <ul style="list-style-type: none"> - The acceptable capacity range is 150 to 260 liters.
<ul style="list-style-type: none"> • Item No. 17 (Digital Real-Time Qualitative PCR): <ul style="list-style-type: none"> - We would like to request to generalize the specs of the software because the specs cited pertains to a certain brand which is "Qiagen". Kindly omit the said specs since we can offer a similar performing software. - Regarding this Rotor-Disc, we would like you to maybe consider other forms of kitting? - Can you consider the acquisition time to be at least 5.5 seconds instead 4 seconds only? 	<ul style="list-style-type: none"> • Digital Real-Time PCR Specifications: We support revising the specifications to be more inclusive while maintaining required performance standards: <ul style="list-style-type: none"> - Software and Hardware Compatibility: The system should support equivalent functionality, including data analysis for qualitative and quantitative PCR, compatibility with standard PCR plate formats, and customizable thermal profiles. - Kitting Configurations: Any kitting configuration (e.g., rotor-discs, plates, or tubes) is acceptable, as long as it supports a capacity range of 72 to 100 samples per run and ensures the same level of performance and accuracy. - Acquisition Time: The acceptable range is 4 to 10 seconds, ensuring reliable and accurate data acquisition.
<ul style="list-style-type: none"> • Item No. 19 (Laminar Flow Hood): <ul style="list-style-type: none"> - Regarding the noise, is it okay to have it less than 65dB? - Would it be fine to offer 59-98.4fpm for the air velocity? - Can we offer 450W for the consumption? - Can you consider 1700x645x610mm for the internal size? - Can you consider 16W x 1 for the LED lamp? - Can you consider 1960x970x1600mm for the package size? 	<ul style="list-style-type: none"> • Laminar Flow Hood (Item No. 19): <ul style="list-style-type: none"> - Noise Level: Should be less than 65 dB. - Air Velocity: Acceptable range is 59–90 fpm. - Power Consumption: Maximum of 450W. - Internal Size: Approximately 1500–1700 x 600–645 x 600–610 mm. - LED Lamp: Acceptable specification is 16W x 1. - Package Size: Around 1960x970x1600 mm.





GENERAL QUERIES	AMMENDMENTS/ CLARIFICATIONS
<ul style="list-style-type: none"> • Item no. 24 (Polyethylene Corrosive Cabinet (Safety Cabinet)): <ul style="list-style-type: none"> - The photo for the item is not for Polyethylene Corrosive Cabinet, but only a metal. - There is no 60Gal capacity for the said cabinet, but we can offer 22Gal which is the largest capacity for a Polyethylene Corrosive Cabinet. 	<ul style="list-style-type: none"> • Polyethylene Corrosive Cabinet (Safety Cabinet): <ul style="list-style-type: none"> - Yes, 22Gal or 83L is an acceptable capacity for the cabinet. - Please see Annex “C” for the amended Technical Specifications.
<ul style="list-style-type: none"> • Item no. 25 (Safety Cabinet (Flammable Chemicals and Reagents)): <ul style="list-style-type: none"> - Our concern is the price for the 45Gal capacity of the item which is expensive compared to the Php110,000.00 budget. We can offer though a 30Gal capacity that is within your budget. 	<ul style="list-style-type: none"> • Safety Cabinet (Flammable Chemicals and Reagents): <ul style="list-style-type: none"> - Yes, 30Gal or 114L is an acceptable capacity for the cabinet. - Please see Annex “C” for the amended Technical Specifications.
<ul style="list-style-type: none"> • Item 26 (Safety Cabinet (Combustible Chemicals and Reagents)): <ul style="list-style-type: none"> - Will it be fine to offer higher specs or larger volume (60Gal) than the specs stated in the PBD (45Gal) as long as it’s within the budget? 	<ul style="list-style-type: none"> • Safety Cabinet (Combustible Chemicals and Reagents): <ul style="list-style-type: none"> - Yes, a higher volume is preferred. - Please see Annex “C” for the amended Technical Specifications.

All statements and formats referring to this clause should be amended/corrected accordingly.

For guidance and information of all concerned.

For further information, please refer to:

(SGD) VINCENT B. CABANTOC
 Head, BAC Secretariat
 CP No. 0953-355-7046 - TM
 Email Add: evsu.bacsecretariat@evsu.edu.ph

Noted:

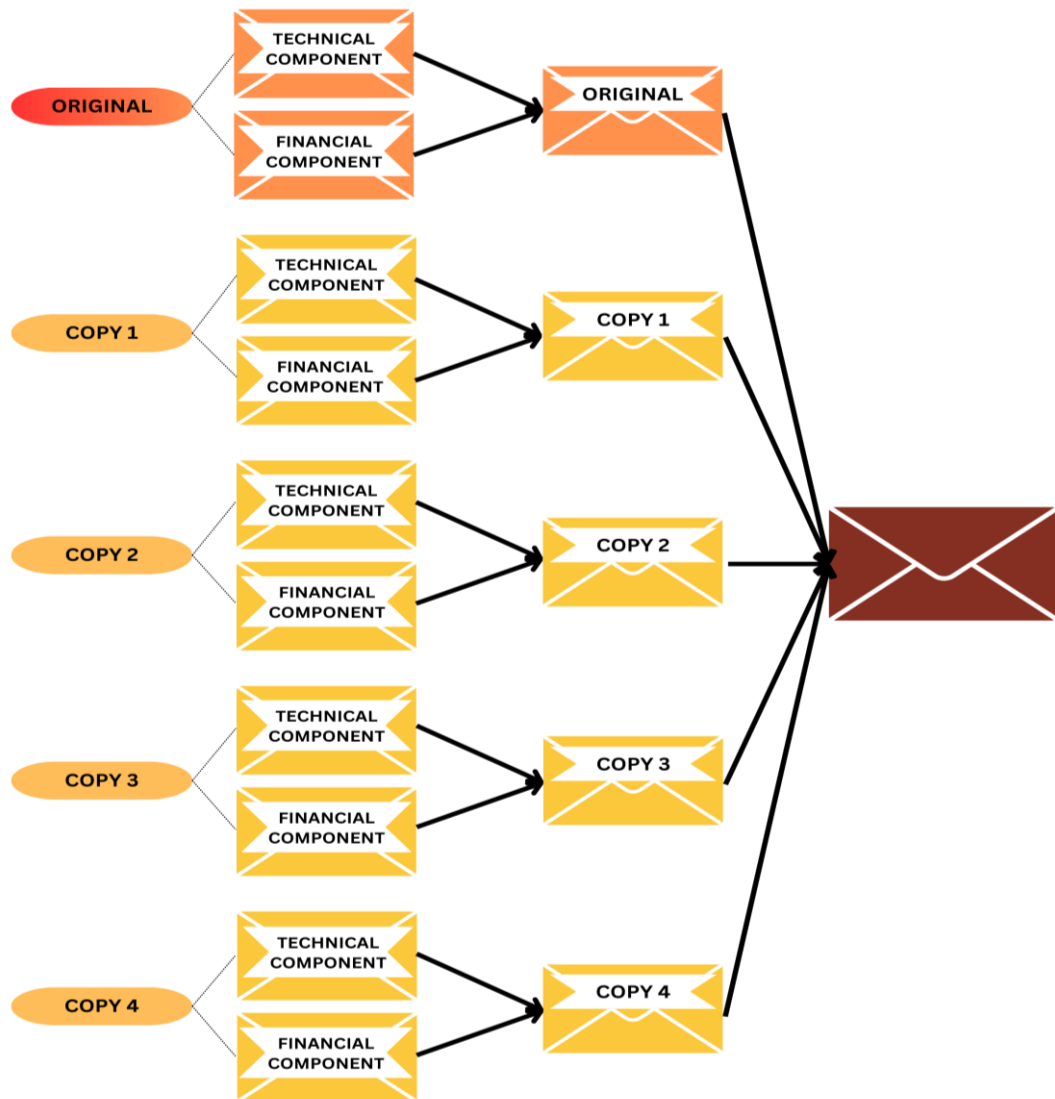
(SGD) BENEDICTO T. MILITANTE, JR., Ph.D., J.D.
 Vice President for Administration & Finance
 Chairperson, Bids and Awards Committee



Bid Data Sheet

ITB Clause									
5.1	Only Bids of Bidders found to be legally, technically, and financially capable will be evaluated. The bidder must possess the following capabilities:								
5.3	<p>For this purpose, contracts similar to the Project shall be:</p> <p style="margin-left: 40px;"><i>a. Supply, Delivery, and Installation of Laboratory Equipment</i></p> <p style="margin-left: 40px;">b. Completed within two (2) years prior to the deadline for the submission and receipt of bids.</p>								
7.1	Subcontracting is NOT ALLOWED .								
9	Prospective bidders may submit their written request for clarification on and/or interpretation of any part of the Bidding Documents, either to EVSU BAC Secretariat Office or through electronic mail at evsu.bacsecretariat@evsu.edu.ph <i>not later than December 9, 2024, 5:00PM</i> . Clarifications made and submitted beyond the abovementioned date shall not be accepted and/or entertained further.								
12.1	No further instruction.								
14.1	<p>The bid security shall be in the form of a Bid Securing Declaration, or any of the following forms and amounts:</p> <table border="1" style="width: 100%; margin-left: 40px; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">FORMS OF BID SECURITY</th> <th style="width: 30%;">AMOUNT OF BID SECURITY (EQUAL TO PERCENTAGE OF THE ABC)</th> </tr> </thead> <tbody> <tr> <td>• Bid Securing Declaration; OR</td> <td style="text-align: center;">NOTARIZED</td> </tr> <tr> <td>• Cash, Cashier's/ manager's check issued by a Universal or Commercial Bank equivalent to Two Percent (2%); OR</td> <td style="text-align: center;">236,800.00</td> </tr> <tr> <td>• Surety Bond equivalent to Five Percent (5%) (If security bond, attach the original copy of the official receipt of premium payment and certification issued by the Insurance Commission)</td> <td style="text-align: center;">592,000.00</td> </tr> </tbody> </table>	FORMS OF BID SECURITY	AMOUNT OF BID SECURITY (EQUAL TO PERCENTAGE OF THE ABC)	• Bid Securing Declaration; OR	NOTARIZED	• Cash, Cashier's/ manager's check issued by a Universal or Commercial Bank equivalent to Two Percent (2%); OR	236,800.00	• Surety Bond equivalent to Five Percent (5%) (If security bond, attach the original copy of the official receipt of premium payment and certification issued by the Insurance Commission)	592,000.00
FORMS OF BID SECURITY	AMOUNT OF BID SECURITY (EQUAL TO PERCENTAGE OF THE ABC)								
• Bid Securing Declaration; OR	NOTARIZED								
• Cash, Cashier's/ manager's check issued by a Universal or Commercial Bank equivalent to Two Percent (2%); OR	236,800.00								
• Surety Bond equivalent to Five Percent (5%) (If security bond, attach the original copy of the official receipt of premium payment and certification issued by the Insurance Commission)	592,000.00								
15.2	<p>Each Bidder shall submit one (1) original and four (4) readable authenticated copies of the first and second components of its bid. Documents to be submitted shall be properly tabbed and labeled according to the title of the document attached for prompt identification: e.g., PhilGEPS Certificate of Registration (Platinum) – PhilGEPS</p> <p>For details in the preparation of sealed bids, please refer to the diagram below:</p>								

Figure 1. Sealing of Bids (Illustration of bids with 1 original and 4 copies, each box in the diagram represents a sealed envelope)



All envelopes shall:

- be addressed to the Procuring Entity’s BAC;
- bear the name and address of the Bidder in capital letters;
- contain the name of the contract to be bid in capital letters;
- bear the specific identification of this bidding process indicated in the ITB Clause 1; and bear a warning “DO NOT OPEN BEFORE...” the date and time for the opening of bids, as specified in the IB.

TO	:	THE BIDS AND AWARDS COMMITTEE EASTERN VISAYAS STATE UNIVERSITY
FROM	:	_____
		<i>(Name of Bidder in Capital Letters)</i>
ADDRESS	:	_____
		<i>(Address of Bidder in Capital Letters)</i>
BID REF. NO.	:	_____
<i>(In Capital Letters, Indicate the Phrase):</i>		
“DO NOT OPEN BEFORE: _____”		

15.3 Guidelines for Electronic Submission of Bids:

- a) The Bidder must submit a soft copy of their bids through e-mail to evsu.bacsecretariat@evsu.edu.ph at any time before **December 19, 2024, 1:30 P.M.**

- b) In the online submission of bids, a two-folder system will be utilized. The first folder contains the requirements of the Technical Component checklist as presented under Section VIII and shall be labeled “**TECHNICAL COMPONENT**”. The second folder contains the requirements of the Financial Component checklist and is marked “**FINANCIAL COMPONENT**”.
- c) The documentary requirements shall be segregated and labelled according to the type of document for prompt identification (e.g., PhilGEPS Certificate of Registration (Platinum) labelled as PhilGEPS) and each shall be in Portable Document Format (PDF).
- d) Each folder shall be compressed in Zip, RAR or 7z format with password protection. Submitted bidding documents that are not in compressed archive format and are not password protected, will be automatically rejected.
- e) The password for accessing the file shall be disclosed by the Bidders during the bid opening which may be done in person or face-to-face through videoconferencing, webcasting, e-mail or similar technology.
- f) An electronic copy that cannot be opened or is corrupted shall be considered non-responsive and, thus, automatically disqualified.
- g) For further information, please refer to:

VINCENT B. CABANTOC

Head, BAC Secretariat

CP No. 0953-355-7046 - TM

Email Add: evsu.bacsecretariat@evsu.edu.ph

19.2

Partial bid is allowed. **All Goods are grouped in lots listed below.**

ITEM NO.	PARTICULARS	QTY	UNIT	TOTAL AMOUNT
1	Portable Power Station, Solar Generator Kit	1	lot	150,000.00
2	Mechanical Shakers (250mL)	1	lot	100,000.00
3	Earthquake Simulator	1	lot	200,000.00
4	Meteorology Set	1	lot	50,000.00
5	Laboratory Refrigerator	1	lot	100,000.00
6	Atomic Absorption Spectrophotometer	1	lot	2,250,000.00
7	Fume hood	1	lot	500,000.00
8	Biosafety cabinet (Biosafety Level 1)	1	lot	100,000.00
9	Biosafety cabinet (Biosafety Level 2)	1	lot	1,500,000.00
10	Air Pollution Set-up	1	lot	800,000.00
11	Stereomicroscope	1	lot	90,000.00
12	Multiparameter (Field)	1	lot	510,000.00
13	Multiparameter (Lab)	1	lot	500,000.00
14	Autoclave	1	lot	150,000.00
15	Oven	1	lot	300,000.00
16	Analytical Balance	1	lot	300,000.00
17	Digital Real-time Qualitative PCR	1	lot	1,000,000.00
18	Water Analyzer	1	lot	100,000.00
19	Laminar Flow Hood	1	lot	160,000.00
20	Microvolume UV-Vis Spectrophotometer	1	lot	300,000.00
21	pH Meter	1	lot	400,000.00
22	Dissection Microscope with Laptop	1	lot	180,000.00
23	Nucleic Acid (DNA/RNA) or Proteins Centrifuge-Based Purification System	1	lot	1,500,000.00
24	Safety Cabinet (Corrosive Chemicals and Reagents)	1	lot	100,000.00
25	Safety Cabinet (Flammable Chemicals and Reagents)	1	lot	110,000.00
26	Safety Cabinet (Combustible Chemicals and Reagents)	1	lot	150,000.00
27	Safety Cabinet (Toxic Chemicals and Reagents)	1	lot	240,000.00

19.5	<p>The Net Financial Contracting Capacity (NFCC), which must be at least equal to the ABC to be bid, is calculated as follows:</p> <p>NFCC = [(Current assets minus current liabilities) (15)] minus the value of all outstanding or uncompleted portions of the projects under ongoing contracts, including awarded contracts yet to be started, coinciding with the contract to be bid.</p>
20.1	No further instruction.
21.1	No further instruction.

Schedule of Requirements

The delivery schedule expressed as weeks/months stipulates hereafter a delivery date which is the date of delivery to the project site.

EARLY PROCUREMENT ACTIVITY (EPA) FOR SUPPLY, DELIVERY AND INSTALLATION OF LABORATORY EQUIPMENTS				
Item No.	Description	UNIT	QTY	Delivered, Weeks/Months
P.R. No. 11-0713-23 CAS				
1	PORTABLE POWER STATION, SOLAR GENERATOR KIT (1 unit)	lot	1	MUST BE WITHIN <b style="background-color: yellow;">NINETY (90) CALENDAR DAYS UPON RECEIPT OF THE NOTICE TO PROCEED (NTP)
2	MECHANICAL SHAKERS (250mL) (1 unit)	lot	1	
3	EARTHQUAKE SIMULATOR (1 unit)	lot	1	
4	METEOROLOGY SET (1 unit)	lot	1	
5	LABORATORY REFRIGERATOR (1 unit)	lot	1	
6	ATOMIC ABSORPTION SPECTROPHOTOMETER (1 unit)	lot	1	
7	FUME HOOD (1 unit)	lot	1	
8	BIOSAFETY CABINET (BIOSAFETY LEVEL 1) (1 unit)	lot	1	
9	BIOSAFETY CABINET (BIOSAFETY LEVEL 2) (1 unit)	lot	1	
10	AIR POLLUTION SET-UP (1 unit)	lot	1	
11	STEREOMICROSCOPE (1 unit)	lot	1	
12	MULTIPARAMETER (FIELD) (1 unit)	lot	1	
13	MULTIPARAMETER (LAB) (1 unit)	lot	1	
14	AUTOCLAVE (1 unit)	lot	1	
15	OVEN (1 unit)	lot	1	
16	ANALYTICAL BALANCE (2 units)	lot	1	
17	DIGITAL REAL-TIME QUALITATIVE PCR (1 unit)	lot	1	
18	WATER ANALYZER (1 unit)	lot	1	
19	LAMINAR FLOW HOOD (1 unit)	lot	1	
20	MICROVOLUME UV-VIS SPECTROPHOTOMETER (1 unit)	lot	1	
21	PH METER (2 units)	lot	1	
22	DISSECTION MICROSCOPE WITH LAPTOP (3 units)	lot	1	
23	NUCLEIC ACID (DNA/RNA) OR PROTEINS CENTRIFUGE-BASED PURIFICATION SYSTEM (1 unit)	lot	1	
24	SAFETY CABINET (CORROSIVE CHEMICALS AND REAGENTS) (1 unit)	lot	1	
25	SAFETY CABINET (FLAMMABLE CHEMICALS AND REAGENTS) (1 unit)	lot	1	
26	SAFETY CABINET (COMBUSTIBLE CHEMICALS AND REAGENTS) (1 unit)	lot	1	
27	SAFETY CABINET (TOXIC CHEMICALS AND REAGENTS) (2 units)	lot	1	





(Name of Bidder/Company)




(Signature Over Printed Name of Authorized Representative)



(Designation)




(Date)


Technical Specifications

EARLY PROCUREMENT ACTIVITY (EPA) FOR SUPPLY, DELIVERY AND INSTALLATION OF LABORATORY EQUIPMENTS				
Item No.	Description	UNIT	QTY	STATEMENT OF COMPLIANCE COMPLY/ NOT COMPLY
P.R. No. 11-0713-23 CAS				
1	<p>PORTABLE POWER STATION, SOLAR GENERATOR KIT (1 UNIT)</p> <p>Specification:</p> <ul style="list-style-type: none"> - Battery Capacity $\geq 500\text{wh}$ - Dual 110v Ac Outlets (300w Continuous) - Usb-C (60w) - Mppt Controller - Solar Panel Input (12-30v, 100w) - Service Centers and Technical Support: We support allowing authorized representatives in Eastern Visayas to provide technical support. This includes availability from 8 AM to 5 PM daily and a 24/7 online response time for troubleshooting, as an alternative to a local repair facility. 	lot	1	
				
2	<p>MECHANICAL SHAKERS (250mL) (1 UNIT)</p> <p>Specification:</p> <ul style="list-style-type: none"> - Speed Range: Acceptable speed range is 40 to 500 RPM. - Motion Type: Either orbital or linear motion acceptable for our applications, but orbital is preferred. - Platform Dimensions: Dimensions should be within a range such as 20x20 cm to 32x32 cm. Compact models are highly suggested. - Interchangeable or modular platforms (test tubes, microplates, or small flasks) are also preferred. - Service Centers and Technical Support: We support allowing authorized representatives in Eastern Visayas to provide technical support. This includes availability from 8 AM to 5 PM daily and a 24/7 online response time for troubleshooting, as an alternative to a local repair facility. 	lot	1	
				
3	<p>EARTHQUAKE SIMULATOR (1 UNIT)</p> <p>Specification:</p> <ul style="list-style-type: none"> - Adjustable magnitude settings - 3D motion capability - max. load capacity 5 kg - compact design - Service Centers and Technical Support: We support allowing authorized representatives in Eastern Visayas to provide technical support. This includes availability from 8 AM to 5 PM daily and a 24/7 online response time for troubleshooting, as an alternative to a local repair facility. 	lot	1	
				
4	<p>METEOROLOGY SET (1 UNIT)</p> <p>Specification:</p> <ul style="list-style-type: none"> - Includes digital thermometer, barometer, anemometer, hygrometer, rain gauge, portable data logger (battery-powered) - Service Centers and Technical Support: We support allowing authorized representatives in Eastern Visayas to provide technical support. This includes availability from 8 AM to 5 PM daily and a 24/7 online response time for troubleshooting, as an alternative to a local repair facility. 	lot	1	
				

<p>5</p>	<p>LABORATORY REFRIGERATOR (1 UNIT)</p>  <p>Specification:</p> <ul style="list-style-type: none"> - Capacity: 236L - Temperature Range: 2°C to 8°C - Ambient Temperature: 10°C - 32°C - No. of Shelves/Drawers: 4 Shelves - Internal Material: Sprayed Steel Plates/Powder Coated - External Material: Sprayed Steel Plates/Powder Coated - Outer Door/Type: One Glass Door - Noise:46dB - Power Consumption (kWh/24hr) 2.56 - Power: 254W - Current: 1.15A - Internal Dimensions: (W*D*H) 500*420*1090mm - External Dimensions: (W*D*H) 580*560*1785mm - Packaging Dimensions: (W*D*H) 730*675*1915mm - Net Weight: 63kg - Gross Weight: 65kg - Power Supply: 220V/50Hz 	<p>lot</p>	<p>1</p>	
<p>6</p>	<p>ATOMIC ABSORPTION SPECTROPHOTOMETER (1 UNIT)</p>  <p>Specification:</p> <ul style="list-style-type: none"> - Single beam - wavelength 190-900 nm - auto-calibration - detection limit <0.02 ppm - adjustable flame - The focus elements for our department are cadmium, lead, nickel, mercury, arsenic, copper, and zinc, which are essential for our environmental science research. These elements are analyzed to measure bioaccumulation levels in water, soil, and organic matter. - Service Centers and Technical Support: We support allowing authorized representatives in Eastern Visayas to provide technical support. This includes availability from 8 AM to 5 PM daily and a 24/7 online response time for troubleshooting, as an alternative to a local repair facility. 	<p>lot</p>	<p>1</p>	
<p>7</p>	<p>FUME HOOD (1 UNIT)</p>  <p>Specification:</p> <ul style="list-style-type: none"> - External Size: (W*D*H) 1000*830*2140mm - Internal Size: (W*D*H) 910*690*740mm - Work Surface Height: 900mm - Max. Opening: 650mm - Air Velocity: 0.4 - 0.6m/s - Airflow Volume: 136m3/h - Noise: ≤58dB(A) - Fluorescent Lamp: 14W x 2 or 12W x 2 - UV Lamp (optional): Emmission of 253.7 nanometers for most efficient decontamination - Blower: Built-in centrifugal blower, speed adjustable - Front Window: Acrylic window; Manual; Reversal Design - Power Supply: AC220V±10%, 50/60Hz; 110V±10%, 60 Hz - Consumption: 400W - Material: Exterior; Cold-rolled steel with anti-bacteria powder coating - Side Window: Acrylic Window - Work Table: Chemical Resistant phenolic resin - Chemical Filter: 2 pcs 	<p>lot</p>	<p>1</p>	



<p>8</p>	<p>BIOSAFETY CABINET (BIOSAFETY LEVEL 1) (1 UNIT)</p> <p>Specification:</p> <ul style="list-style-type: none"> - External Size: (W*D*H) 1100*697*1900mm - Internal Size: (W*D*H) 968*625*630mm - HEPA filter: 99.9995% efficiency at 0.3µm - Airflow Velocity: 0.75-1.0m/s - Noise: ≤67dB - Illuminating Lamp: 12W*2 Fluorescent lamp - UV lamp: 20W*1 - Power Consumption: 350W - Work Surface Height: 750mm - Caster: Universal caster - Main Body Construction: Cold-rolled steel with anti-bacteria powder coating - Work Table: 304 stainless steel - Power Supply: AC220V±10%, 50/60Hz; 110V±10%, 60Hz - Standard Accessory: Fluorescent lamp, UV lamp*2, base stand - Optional Accessory: Electric height adjustable base stand - Gross weight: 185kg - Package Size: (W*D*H) 1260*860*2080mm 	<p>lot</p>	<p>1</p>	
<p>9</p>	<p>BIOSAFETY CABINET (BIOSAFETY LEVEL 2) (1 UNIT)</p> <p>Specification:</p> <ul style="list-style-type: none"> - External Dimensions: The acceptable range is 1200–1340 mm x 700–810 mm x 1200–1400 mm (47.2”–52.8” x 27.6”–31.9” x 47.2”–55.1”). - Internal Dimensions: The acceptable range is 1100–1220 mm x 500–580 mm x 600–670 mm (43.3”–48.0” x 19.7”–22.8” x 23.6”–26.4”). - Tested Opening: Safety Height = 200mm(8") - Max Opening: 420mm(17") - Inflow Velocity: 0.53±0.025m/s - Downflow Velocity: 0.33±0.025m/s - Filtration Systems: The filtration can allow for either ULPA or HEPA filters, provided the filtration efficiency meets or exceeds 99.995% for particles ≥0.3 microns. - Front window: Motorized. Two-layer laminated toughened glass ≥ 5mm. Anti UV. - Noise: EN12469 ≤ 58dB / NSF49 ≤ 61dB - UV Lamp: 30W*1, UV timer, UV life indicator, emission of 253.7 nanometers for most efficient decontamination - Illuminating Lamp: LED lamp, 12W*2 - Illumination: ≥1000 Lux - Consumption: 760W - Waterproof Sockets: Two, total load of two sockets: 500W - Display: LCD display: exhaust filter and downflow filter pressure, filter and UV lamp working time, inflow and downflow velocity, filter life, humidity and temperature, system working time etc. - Control System: Microprocessor - Airflow System: 70% air recirculation, 30% air exhaust - Visual and audio alarm: Filter replacement, front window at unsafe height, abnormal airflow velocity. - Material: Work zone: 304 stainless steel, main body: cold-rolled steel with anti-bacterial powder coating. - Work surface Height: 750mm - Caster: Footmaster Caster - Power Supply: AC220V±10%, 50/60Hz; 110V±10%, 60Hz - Standard Accessory: LED lamp, UV lamp*2, Base stand, Remote Control, Foot Switch, Drain valve, Waterproof sockets*2 	<p>lot</p>	<p>1</p>	




	<ul style="list-style-type: none"> - Optional Accessory: Water and gas tap, electric height adjustable base stand. - Gross weight: 243kg - Package size: (W*D*H) 1220*1000*1840mm 			
10	<p>AIR POLLUTION SET-UP (1 UNIT)</p>  <p>Specification:</p> <ul style="list-style-type: none"> - Includes PM2.5/PM10 sensors, gas sensors (CO, NO2, SO2), portable design, rechargeable battery - Service Centers and Technical Support: We support allowing authorized representatives in Eastern Visayas to provide technical support. This includes availability from 8 AM to 5 PM daily and a 24/7 online response time for troubleshooting, as an alternative to a local repair facility. 	lot	1	
11	<p>STEREOMICROSCOPE (1 UNIT)</p>  <p>Specification:</p> <ul style="list-style-type: none"> - 10-40x magnification - LED lighting - built-in 5MP camera - 0.5X objective lens for image capture - Service Centers and Technical Support: We support allowing authorized representatives in Eastern Visayas to provide technical support. This includes availability from 8 AM to 5 PM daily and a 24/7 online response time for troubleshooting, as an alternative to a local repair facility. 	lot	1	
12	<p>MULTIPARAMETER (FIELD) (1 UNIT)</p>  <p>Specification:</p> <ul style="list-style-type: none"> - pH Range: -2.000 to 20.000pH - Resolution and Accuracy: 0.1/0.01/0.001 & ±0.002pH - No. of pH Calibration Points: 1 (offset to 6 points) - pH Buffer Options: USA, NIST, DIN, PWB, Custom - mV Range: ±2000.0 mV - Resolution & Accuracy: 0.1mV & ±0.2 mV - Ion Concentration Range: 0.001 to 19900 - Resolution & Accuracy: 2 or 3 digits & ±0.5% FS (mono); 1% FSm (div) - No. of Ion Calibration Pts: Up to 8 - DO Range: 0 to 90mg/L or ppm / 0 to 600% - Resolution &Accuracy: 0.01mh/L or ppm/ 0.1%; ±0.2mg/L / ±0.2% - Salinity Correction: Automatic - Resolution & Accuracy: 0.0 to 50.0ppt & 0.1ppt - Barometric Pressure Correction: Automatic correction with built-in sensor - Resolution & Accuracy: 450 to 825 mmHg / 59.9 to 109.9 kPa & 0.1 mmHG or 0.1 kPa - Conductivity Range: .. to 500 mS/cm - Resolution & Accuracy: 0.05% FS & ±1% FS + 1LSD - Cell Constant: 0.010 to 10.00 - Temperature Coefficient: Linear and Pure - TDS Range: .. to 500.0 ppt - Resolution & Accuracy: 0.05% FS & ±1% FS + 1LSD - Salinity Range: 0 to 80ppt - Resolution & Accuracy: 0.05% FS & ±1% FS + 1LSD - Temperature Range: -10.0 to 110.0°C / 14.0 to 230.0°F (Meter) - Resolution & Accuracy: 0.1°C/°F & ±0.5°C/±0.9°F - Temperature Compensation: Automatic/Manual (0 to 100°C) 	lot	1	



	<ul style="list-style-type: none"> - Memory: 500 Data Sets with Date/Time stamping and Security Password Protection - Output: IrDA Wireless Communications - Display: Multi-data back-lit dot matrix; 7.2cm (H) x 5.4 cm (W) - Power: 4 x 1.5 V "AA" Alkaline batteries or 9 V DC Adapter, 500 mA 			
13	<p>MULTIPARAMETER (LAB) (1 UNIT)</p>  <p>Specification:</p> <ul style="list-style-type: none"> - pH Range: -2.000 to 20.000pH - Resolution: 0.1 / 0.01/ 0.001 pH - Accuracy: ±0.002pH + 1 LSD - Calibration Points: Up to 6 preset or 5 custom - Buffer Sets: USA, NIST, DIN, User 1, User 2, Custom - ORP Range: ±2000.0mV - Rel. mV Range: ±2000.0mV - Resolution: 0.1mV - ION Concentration: 0.001 to 19999 ppm (±2000mV) - Resolution 2 or 3 digits - Accuracy: 0.5% full scale (monovalent); 1% full scale (divalent) - Calibration Points: 2 to 8 - Conductivity Range: 0.050uS to 500.0 mS - Resolution: 0.01 / 0.1uS ; 0.0001 / 0.01 / 0.1 mS - Accuracy: ±1% full scale - Calibration Points: up to 5 - Call Constant: 0.010 to 10.000 - TDS Range (Depending on TDS Factor): 0.050ppm to 500ppt (@TDS factor 1.00) - Resolution 0.01/0.1ppm; 0.001/0.01/0.1 ppt - Accuracy: ±1% full scale - Cal. Points: up to 5 - Salinity Range: 0.0 to 80.0 ppt - Resolution 0.01/0.1ppm; 0.001/0.01/0.1 ppt - Accuracy: ±1% full scale - Resistivity Range: 2.000 Ohm to 20.0 MOhm - Resolution: 0.01 / 0.1 Ohm ; 0.001 / 0.1 kOhm ; 0.01 MOhm - Accuracy: ±1% full scale - Temperature Range (Meter): 0.0 to 100.0°C / 32.0 to 212.0°F - Resolution: 0.1°C / 0.1°F - Accuracy: ±0.3°C / ±0.5°F - Coefficient (per°C): Linear and Pure; 0.000 to 10.000% - Normalization: 15.0 to 30.0°C / 59.00 to 86.00°F - Compensation: ATC/MTC - Power Requirements: 9V DC adapter, 1.3A (100/240 VAC, SMPS) 	lot	1	
14	<p>AUTOCLAVE (1 UNIT)</p> <p>Specification:</p> <ul style="list-style-type: none"> - Capacity: 60 - Temp: - Range: Max 125 - Controller: Digital PID Controller - Sensor: Pt100 - Pressure : 1.5 kg/ cm - Outsize (WxDxH,mm): 505x605x1230 - Material : External: Steel, Powder Coating - Basket: Stainless steel Wire Mesh type 2ea - Electric Requirements: 220VAC, 50/60Hz - WATT: 2600W 	lot	1	



<p>15</p>	<p>OVEN (1 UNIT)</p> <p>Specification:</p> <ul style="list-style-type: none"> - Temperature: Working temperature range: at least 5 (UN/UNplus/UNm/UNmplus) or 10 (UF/UFplus/UFm/UFMplus) above ambient temperature to +300° C - Setting accuracy temperature: up to 99.9 ° C: 0.1/ from 100 ° C: 0.5 - Setting temperature range : +20 to +300° C - Temperature sensor: 1 Pt100 sensor DIN class A in 4-wire- circuit - Control Technology: - Control/COCKPIT: SingleDISPLAY. Adaptive multifunctional digital PID-microprocessor controller with high-definition TFT colour display - Timer: Digital backwards counter with target time setting, adjustable from 1 minute to 99 days - Function SetpointWAIT: the process time does not start until the set temperature is reached - Calibration: three freely selectable temperature values - adjustable parameters: temperature (Celsius or Fahrenheit), air flap position, programme time, time zones, summertime/wintertime - Ventilation: - Convection: natural convection - Fresh air: admixture of pre-heated fresh air by electronically adjustable air flap - Vent: vent connection with restrictor flap - Communication: - Documentation: programme stored in case of power failure - Programming:AtmoCONTROL software for reading out, managing and organizing the data logger via Ethernet interface (temporary trial version can be downloaded). USB stick with AtmoCONTROL software available as an accessory (on demand). - Safety: - Temperature control: adjustable electronic overtemperature monitor and mechanical temperature limiter TB, protection class 1 according to DIN 12880 to switch off the heating approx. 20° C above nominal temperature. - Autodiagnostic system: for fault analysis - Standard Equipment: - Works calibration certificate: Calibration at +`160° C - Door: Fully insulated stainless steel door with 2-point locking (compression door lock) - Internals: 2 stainless steel grid(s), electropolished - Stainless steel interior: - Interior: easy-to-clean interior, made of stainless steel, reinforced by deep-drawn ribbing with integrated and protected large-area heating on four sides - Volume: The acceptable capacity range is 150 to 260 liters. - Dimensions: Max. number of internals: 9 - Max. loading of chamber: 300 kg - Max. loading per internal: 20 kgTextured stainless steel casing - Dimensions: W(D) X h (E) x d (F) 824 x 1183 x 684 mm (d+56mm door handle) - Housing: rear zinc-plated steel - Electrical data: - Voltage Electrical load: 230 V, 50/60 Hz approx. 3400 W 	<p>lot</p>	<p>1</p>	
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<p>16</p>	<p>ANALYTICAL BALANCE (2 UNITS)</p> <p>Specification:</p> <ul style="list-style-type: none"> - Weighing capacity: 220g - Minimum display: 0.1 mg - Pan Size: Approx. 91 mm dia. - Dimensions: Approx. W213 x D356 x H338mm - Weight: Approx 6.0 kg - Required power supply: AC adapter (input 100-240V AC, 50/60 Hz, output 12V, 1A) - I/O Terminals: RS232C (D-sub 9o plug), USB device (Type B) - Calibration Weight: External weight 	<p>lot</p>	<p>1</p>	
<p>17</p>	<p>DIGITAL REAL-TIME QUALITATIVE PCR (1 UNIT)</p> <p>Specification:</p> <ul style="list-style-type: none"> - Altitude: Up to 2000 m (6500 ft) - Dimensions: Width, 37 cm (14.6 9n.); Height, 28.6 cm (11.3 in.); Depth (without cables), 42 cm (16.5 in.); Depth (door open), 53.8 cm (21.2 in.) - Features: Dynamic range, 10 orders of magnitude - Heat dissipation/ thermal load: Average, 0.183 kW (632 BTU/hour); Peak, 0.458 kW (1578 BTU/hour) - Humidity: 10-75% (noncondensing) - Kits designed for this instrument: artus QS-RGQ Kits (not available in all countries, RG SYBR Green PCR Kits; RG SYBR Green RT-PCR Kit; RG Probe PCR Kits; RG Probe RT-PCR Kit; RG Multiplex PCR Kit - Kitting Configurations: Any kitting configuration (e.g., rotor-discs, plates, or tubes) is acceptable, as long as it supports a capacity range of 72 to 100 samples per run and ensures the same level of performance and accuracy - Operating Temperature: 18-30 °C (64-86 °F) - Optical System: Up to 6 channels spanning UV to infra-red wavelengths; - Excitation sources: High energy light-emitting diodes; - Detector: Photomultiplier; - Acquisition Time: The acceptable range is 4 to 10 seconds, ensuring reliable and accurate data acquisition. - The software allows to create new excitation/detection wavelength combinations - Software and Hardware Compatibility: The system should support equivalent functionality, including data analysis for qualitative and quantitative PCR, compatibility with standard PCR plate formats, and customizable thermal profiles. - Overvoltage Category: II - Place of Operation: For indoor use only - Pollution Level: 2; Environmental class 3K2 (IEC 60721-3-3) - Power: 100-240 V AC, 50-60 Hz, <520 VA (peak); Power consumption <60 VA (standby); Mains supply voltage fluctuations are not to exceed 10% of the nominal supply voltages' F5a 250 V fuse - Protocols/ main application on this instrument: Gene expression analysis, microRNA detection, Virus detection, SNP genotyping, SNP genotyping, High Resolution Melt analysis (HRM) - Samples per run (throughput): Tubes 0.2 ml; Strip Tubes 0.1 ml (4 tubes); - Storage Conditions: 15°C to 30 C (59° F to 86° F) in manufacturer's package; Max. 75% relative humidity (noncondensing); Environmental class 1K2 (IEC 60721-3-1) - Technology: Real-time PCR cyclers - Thermal Performance: Temperature range, 35 to 99°C; Temperature accuracy, ± 0.5 C (type, measured 30 seconds after clock start); Temperature resolution, ± 0.02°C (smallest programmable increment); Temperature uniformity, ± 0.02°C, ramp rate (peak ramp rates, air), 	<p>lot</p>	<p>1</p>	

	<ul style="list-style-type: none"> - Transportation Conditions: -25°C to 60°C (-13 F to 140 F) in manufacturer’s package: Max. 75% relative humidity (noncondensing); Environmental class 2K2 (IEC 60721-3-2) - Typical run time: 40 cycles in 45 min with the Kits (assay dependent) - Weight: 12.5 kg (27.6 lb.), standard configuration 			
18	<p>WATER ANALYZER (1 UNIT)</p>  <p>Specification:</p> <ul style="list-style-type: none"> - TDS, turbidity, pH, DO, and nitrate measurements, portable, rechargeable battery; - Service Centers and Technical Support: We support allowing authorized representatives in Eastern Visayas to provide technical support. This includes availability from 8 AM to 5 PM daily and a 24/7 online response time for troubleshooting, as an alternative to a local repair facility. 	lot	1	
19	<p>LAMINAR FLOW HOOD (1 UNIT)</p>  <p>Specification:</p> <ul style="list-style-type: none"> - External Size (W*D*H): 1800*700* (2090-2340) mm - Internal Size: Approximately 1500–1700 x 600–645 x 600–610 mm. - Work Surface Height: 750~1010mm - Max Opening: 480mm - Display: LCD Display - Air Velocity: Acceptable range is 59–90 fpm - Material - Working area: 304stainless Steel - Main Body: 1.2mm Cold-rolled steel with anti-bacteria powder coating. - Front Window: Motorized, 5mm toughened glass, anti-UV - Pre Filter: Polyester fiber - Noise Level: Should be less than 65 dB - Illumination : $\geq 300lx$ - Waterproof Sockets: One socket (Double type), America standard, Max.Power: 500W - Power Supply: 110V\pm10% 60HZ - Power Consumption: Maximum of 450W - UV Lamp; 40W*1 - LED Lamp: Acceptable specification is 16W x 1 - Standard Accessory: Manually height adjustable base stand, LED lamp, UV lamp, wind speed sensor, waterproof socket - Package Size: Around 1960x970x1600 mm. - Gross Weight: 320kg 	lot	1	
20	<p>MICROVOLUME UV-VIS SPECTROPHOTOMETER (1 UNIT)</p>  <p>Specification:</p> <ul style="list-style-type: none"> - Wavelength range 200-900 nm, - sample size 0.5-2 μL, - touchscreen interface, - auto-calibration; - Service Centers and Technical Support: We support allowing authorized representatives in Eastern Visayas to provide technical support. This includes availability from 8 AM to 5 PM daily and a 24/7 online response time for troubleshooting, as an alternative to a local repair facility. 	lot	1	

<p>21</p>	<p>PH METER (2 UNITS)</p> <p>Specification:</p> <ul style="list-style-type: none"> - 230V - supplied with pH electrode, - Temperature probe, - Electrode holder, - Buffer Solution sachet, - 3.5 M Electrolyte Solution (30mL), - 12 VDC adapter and instructions - PC Interface (Opto-isolated USB) - Display (Color Graphic LCV (240 x 320 pixels) - Power Supply (12 Vdc adapter) - Logging Record (Upto 100 lots, 50,000 records max/lot/maximum 100,000 data points/ channel - Logging interval (14 selectable between 1 second and 180 minutes - Logging type (Automatic, Manual and Auto Hold) - Accuracy at 25 deg.celsius (±0.1 pH / ±0.01 pH / ±0.002 pH ±1 last significant digit; ±0.2 mV ±1 last significant digit; ±0.2 °C / ±0.4 °F / ±0.2 K - Calibration buffer pH 4.01 @25deg celsius, 500mL bottle - Calibration buffer pH 7.01 @25deg celsius, 500mL bottle - Calibration buffer pH 7.01 @25deg celsius, 500mL bottle - Refillable Combination pH Electrode with BNC Connector 		<p>lot</p>	<p>1</p>
<p>22</p>	<p>DISSECTION MICROSCOPE WITH LAPTOP (3 UNITS)</p> <p>Specification:</p> <ul style="list-style-type: none"> - Pair wide field eyepieces HWF10x/23mm without eyecups - Trinocular head with 45° inclined tubes - Diopter adjustment ±5° on two tubes. Interpupillary distance adjustable between 54 and 75mm - 0.65x to 5.5x zoom objective, magnification from 6.5x to 55x with click-stops - Field of view from 35 mm to 4.2 mm. Working distance 110 mm - Ergonomically rack and pinion stand. Maximum object height 58mm - Supplied with opaque stage plate, white/black stage plate and 2 object clamps - Incident and transmitted 3W LED illumination with internal power supply - Both illumination intensities can be adjusted separately - Paint with Antibacterial Protection Layer - Supplied with dust cover in Styrofoam case 		<p>lot</p>	<p>1</p>
<ul style="list-style-type: none"> - 1. Processor (CPU) - Intel Core i5 (11th Gen or newer) or AMD Ryzen 5 5000 Series - 2.Memory (RAM) - 16 GB DDR4 - 3.Storage - 512 GB SSD (NVMe preferred) - 4.Graphics (GPU) - Integrated Graphics (Intel Iris Xe or AMD Radeon Graphics) - 5.Display - Size: 14-16 inches - Resolution: Full HD (1920x1080) - Panel: IPS for better color accuracy - 6.Ports - At least 1 USB-C port (preferably with Thunderbolt 4 support) - Multiple USB-A ports - HDMI or DisplayPort - 7.Operating System - Windows 11 - 8.Battery Life 				

	<ul style="list-style-type: none"> - Minimum: 12 hours - 9.Other Features - Camera and microphone for virtual collaboration - Backlit keyboard for use in dimly lit environments - Wi-Fi 6 and Bluetooth connectivity 			
23	<p>NUCLEIC ACID (DNA/RNA) OR PROTEINS CENTRIFUGE-BASED PURIFICATION SYSTEM (1 UNIT)</p>  <p>Specification:</p> <ul style="list-style-type: none"> - Altitude: Up to 2000 m (6500 ft) - Centrifuge: 10,640 rpm maximum, 12,000 x g maximum, swing-out rotor maximum 45°, 12 rotor positions - Data output: USB stick: USB2.0; Compatible OS: Windows 8, Windows 7, Windows Vista, Windows XP (SP3 or later); Mac OS x 10.1 or later; Operating temperature range: 0°C to 35°C; Operating humidity range: 10 to 90% (with no condensation); Storage temperature range: 20°C to 60°C (-4°F to 140°F); Storage humidity range: 10 to 90% (with no condensation); - Formatting: FAT32 - Environmental Class: 3K2 (IEC 60721-3-3) - Instrument dimensions: Dimensions (hood closed): width 65 cm (25.6 in.), height 58 cm (22.8 in.), depth 62 cm (24.4 in.); Dimensions (hood open): width 65 cm (25.6 in.), height 86 cm (34 in.), depth 62 cm (24.4 in.); Mass: QIAcube Connect: 71.5 kg (157.6 lb.), Accessories: 3 kg (6.6 lb.) - Operating temperature: 18 to 28°C (64.4 to 82.4°F) - Pipetting system: Syringe size 1 ml, pipetting range 5-900 µl - Place of operation: For indoor use only - Pollution level: 2 - Relative humidity: 15-75% (non-condensing) - Shaker: Speed 100-2000 rpm, amplitude 2 mm, heating range of ambient temperature to 70°C (158°F), ramp-up time of <5 minutes from ambient temperature to 55°C (±3°C). The difference in the temperature detected by the internal sensor and the temperature of the sample liquid is approximately -2°C. 	lot	1	
24	<p>SAFETY CABINET (CORROSIVE CHEMICALS AND REAGENTS) (1 UNIT)</p>  <p>Specification:</p> <ul style="list-style-type: none"> - Volume Capacity: 22Gal/83L - Door Type: Double Door Manual - Ext. dimension (HxWxD/cm): 89 x 90.5 x 54.4cm - Packing dimension: (HxWxD/cm): 179 x 93 x 93 - Adjustable shelves (Pcs): 4 pieces - Shelf Loading Weight (Kg): 20kg - With at least 5.3 leak tight sump to catch incidental drips - Standardized warning label should be highly visible and corrosive-resistant - With unique spill-catcher shelves to catch incidental drips and adjust on 6cm centers. - Durable and chemical resistant, lead-free powder coat inside and outside the cabinet, reduce effects of corrosion and humidity - At least 2 inches vents with integral flame arresters in both sides of the cabinet. - On outside panel, there should be a built-in grounding static connector for easy grounding. - Door can be fully opened to 180°, easy to operate, three-point latch with a manual lock for better security - Certification: FM and CE Certified 	lot	1	

<p>25</p>	<p>SAFETY CABINET (FLAMMABLE CHEMICALS AND REAGENTS) (1 UNIT)</p>  <p>Specification:</p> <ul style="list-style-type: none"> - Volume Capacity: 30Gal/ 114L - Door Type: Double Door Manual - Ext dimension (HxWxD/cm): 112 x 109 x 46cm - Packing dimension: (HxWxD/cm): 179 x 116 x 53 - Adjustable shelves (Pcs): 2 pieces - Shelf Loading Weight (Kg): 100kg - Net Weight (kg): 124 kg - With at least 5.3 leak tight sump to catch incidental drips - Standardized warning label should be highly visible and corrosive-resistant - With unique spill-catcher shelves to catch incidental drips and adjust on 6cm centers. - Durable and chemical resistant, lead-free powder coat inside and outside the cabinet, reduce effects of corrosion and humidity - At least 2 inches vents with integral flame arresters in both sides of the cabinet. - On outside panel, there should be a built-in grounding static connector for easy grounding. - Door can be fully opened to 1800, easy to operate, three-point latch with a manual lock for better security. - Certification: FM and CE Certified 	<p>lot</p>	<p>1</p>	
<p>26</p>	<p>SAFETY CABINET (COMBUSTIBLE CHEMICALS AND REAGENTS) (1 UNIT)</p>  <p>Specification:</p> <ul style="list-style-type: none"> - Volume Capacity: 60Gal/ 227L - Door Type: Double Door Manual - Ext dimension (HxWxD/cm): 165 x 86 x 86cm - Packing dimension: (HxWxD/cm): 179 x 116 x 53 - Adjustable shelves (Pcs): 2 pieces - Shelf Loading Weight (Kg): 100kg - Net Weight (kg): 124 kg - With at least 5.3 leak tight sump to catch incidental drips - Standardized warning label should be highly visible and corrosive-resistant - With unique spill-catcher shelves to catch incidental drips and adjust on 6cm centers. - Durable and chemical resistant, lead-free powder coat inside and outside the cabinet, reduce effects of corrosion and humidity - At least 2 inches vents with integral flame arresters in both sides of the cabinet. - On outside panel, there should be a built-in grounding static connector for easy grounding. - Door can be fully opened to 1800, easy to operate, three-point latch with a manual lock for better security. - Certification: FM and CE Certified 	<p>lot</p>	<p>1</p>	

<p>27</p>	<p>SAFETY CABINET (TOXIC CHEMICALS AND REAGENTS) (2 UNITS)</p> <p>Specification:</p> <ul style="list-style-type: none"> - Volume Capacity: 45Gal/ 170L - Door Type: Double Door Manual - Ext dimension (HxWxD/cm):165 x 109 x 46cm - Packing dimension: (HxWxD/cm): 179 x 116 x 53 - Adjustable shelves (Pcs): 2 pieces - Shelf Loading Weight (Kg): 100kg - Net Weight (kg): 124 kg - With at least 5.3 leak tight sump to catch incidental drips - Standardized warning label should be highly visible and corrosive-resistant - With unique spill-catcher shelves to catch incidental drips and adjust on 6cm centers. - Durable and chemical resistant, lead-free powder coat inside and outside the cabinet, reduce effects of corrosion and humidity - At least 2 inches vents with integral flame arresters in both sides of the cabinet. - On outside panel, there should be a built-in grounding static connector for easy grounding. - Door can be fully opened to 180°, easy to operate, three-point latch with a manual lock for better security. - Certification: FM and CE Certified 		<p>lot</p>	<p>1</p>
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(Name of Bidder/Company)

(Signature Over Printed Name of Authorized Representative)

(Designation)

(Date)