



## **BID BULLETIN 01**

**Date:** 01 March 2022

**Project Title:** *Supply and Delivery of Laboratory Equipment , Supplies and Chemicals(GOODS-22-12)*

**Location:** VSU Main, Visca, Baybay City, Leyte

Bidders are hereby informed/reminded of the following addendums/amendments/clarifications:

### **I. LIST OF REQUIREMENTS**

<b>(1st Envelope) TECHNICAL COMPONENT ENVELOPE</b>	
<i>Legal Documents</i>	
1	PhilGEPS Certificate of Registration (Platinum)
	or
	a. Registration Certificate (SEC, DTI or CDA)
	b. Mayor's/Business Permit
	c. Tax Clearance
<i>Technical Documents</i>	
2	Statement of All On-Going Government & Private Contracts
3	Statement of Bidder's Single Largest Completed Contract (at least 25% of the ABC or Php <b>770,034.75</b> )
	Or
	Statement of at least two (2) similar completed contracts w/ total amount of at least Php 770,034.75 and the largest of which should be at least Php <b>385,014.38</b> .
4	Bid Security
5	Technical Specifications
6	SCHEDULE of Requirements/Production and delivery schedule
7	Manpower Requirements
8	After Sales service/parts from acceptance of delivered goods (at least 1 year for equipment and 3 months for supplies)
9	Original Duly Signed Omnibus Sworn Statement
<i>Financial Documents</i>	
10	The Supplier's Audited Financial Statements
11	Net Financial Contracting Capacity (at least Php <b>3,080,139.00</b> )
	Or
	Committed Line of Credit (at least Php <b>308,013.90</b> )
<b>(2<sup>nd</sup> Envelope) FINANCIAL COMPONENT ENVELOPE</b>	
12	Original of duly signed and accomplished Financial Bid Form
13	Original of duly signed and accomplished Price Schedule(s)



**Please take note:**

In the **Technical Specifications**, bidders must state either “Comply” or “Not Comply” **against each of the individual parameters of the specifications** per item stating the corresponding performance parameter of the equipment offered. Statements of “Comply” or “Not Comply” must be supported by evidence in the **Bidders Bid** and cross-referenced to that evidence. Evidence shall be in the form of **manufacturer’s un-amended sales literature (Data Sheets), unconditional statements of specification and compliance issued by the manufacturer, samples, independent test data, and Brand and Model** as appropriate. A statement that is not supported by evidence or is subsequently found to be contradicted by the evidence presented will render the Bid under evaluation liable for rejection. A statement either in the Bidders statement of compliance or the supporting evidence that is found to be false either during Bid evaluation, post-qualification or the execution of the Contract may be regarded as fraudulent and render the Bidder or supplier liable for prosecution subject to the provisions of **ITB** Clause 3.1(a)(ii) and/or **GCC** Clause 2.1 (a)(ii).

**II. Preparation of Electronic Bid (for bidders who prefer electronic bid submission)**

1. Convert all documents into Portable Document Format (PDF) and should be printable.
2. Properly label all documents for prompt identification. Filename of documents, whichever are applicable to the bidder, should be as follows:

Document	Filename (in PDF form)
1. PhilGEPS Certificate of Registration (Platinum)	PhilGEPS
2. Registration Certificate (SEC/DTI)	Registration Certificate
3. Mayor’s/Business Permit	Mayor’s-Business Permit
4. Tax Clearance	Tax Clearance
5. Statement of On-Going Government & Private Contracts	Statement of On-Going Contracts
6. Statement of Bidder’s Single Largest Completed Contract	SLCC
7. Statement of at least two (2) similar completed contracts	Statement of Completed Contracts
8. Bid Security	Bid Security
9. Technical Specifications	Technical Specifications
10. SCHEDULE of Requirements/Production and delivery schedule	Schedule of Requirements
11. Manpower Requirements	Manpower Requirements
12. After Sales service/parts	After Sales
13. Omnibus Sworn Statement	Omnibus Sworn Statement
14. Audited Financial Statements	Audited Financial Statements
15. Net Financial Contracting Capacity	NFCC
16. Committed Line of Credit	CLC
17. Bid Form	Bid Form
18. Price Schedule	Price Schedule

3. Create two (2) folders that are password-protected. The first folder should contain all requirements under Technical Component checklist as presented under Section VIII.



The second folder should contain all requirements under Financial Component checklist.

4. Compress the two (2) folders and name as follows: a) first folder: **Technical Documents**, b) second folder: **Financial Documents**.
5. Email the 2 compressed folders to Ms. Jessamine C. Ecleo at [jessamine.ecleo@vsu.edu.ph](mailto:jessamine.ecleo@vsu.edu.ph) before the deadline.

### III. Changes in the Bidding Documents

Original	
<b>Section I. Invitation to Bid</b>  5. A complete set of Bidding Documents may be acquired by interested Bidders on <i>17 February-09 March 2022 until 8:30 AM</i> from the given address and website(s) 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 Five Thousand Pesos (PhP 5,000.00). The Procuring Entity shall allow the bidder to present its proof of payment for the fees in person, by facsimile, or through electronic means.	<i>(Amendment)</i>  A complete set of Bidding Documents may be acquired by interested Bidders on <i>04 February-24 February 2022 until 8:30 AM</i> from the given address and website(s) 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 Five Thousand Pesos (PhP 5,000.00). The Procuring Entity shall allow the bidder to present its proof of payment for the fees in person, by facsimile, or through electronic means:  The Procuring Entity shall allow the bidder to present its proof of payment for the fees in person, by facsimile, or through electronic means.  The Bidders may deposit the payment for the bidding documents to the Visayas State University Landbank Account with the following details:  Account Name: Visayas State University Fund 164 Account Number: <u>3572-1000-13</u>  Then send the deposit slip to <a href="mailto:jessamine.ecleo@vsu.edu.ph">jessamine.ecleo@vsu.edu.ph</a>
<b>Section II. Instructions to Bidders</b>  15. Sealing and Marking of Bids	<i>(Additional Instructions)</i>  Bidders are requested to submit three (3) copies of its bid – 1 Original, Copy 1, and Copy 2.  For filing purposes, the bidders are urged to use <b>Red</b> envelopes for its Technical and Financial Component envelopes, including the Mother (outer) Envelope.



#### IV. Revised List of Goods and Technical Specifications

- Some Specifications were added (in **red** font) and/or deleted (in **blue** font)
- Some Quantities and Unit Prices (ABC) were changed

Item No.	Description	Unit	Qty	ABC/Unit	Total ABC
1	<b>3 layer Non-woven surgical face mask, at least 50 pcs. per box</b>	box	1	200.00	200.00
2	<b>500 ml Type 1, class A borosilicate glass Beaker</b>	pcs	15	700.00	10,500.00
3	<b>5-Sulfosalicylic Acid Dihydrate Technical, 500g</b>	btl	1	2,500.00	2,500.00
	■ACS reagent, ≥ 99%				
	■CAS 5965-83-3				
	■Crystalline Solid, Powder				
	■500g				
	■Technical grade				
4	<b>Acetone, Technical Grade, 1gal</b>	gal	1	1,600.00	1,600.00
5	<b>Activated Acid-washed Charcoal</b>	packs	3	15,000.00	45,000.00
	■Chemical must be plant tissue culture tested for at least 20 years				
	■ISO complaint				
	■ACS REAG				
	■PH EUR				
	■meets USP Standards				
	■Bioreagent suitable for cell culture				
	■2.5kg per pack				
6	<b>Activated Charcoal suitable for plant cell and tissue culture (5g)</b>	btl	1	2,500.00	2,500.00
7	<b>Agar for plant cell and tissue culture (500g)</b>	btl	1	6,000.00	6,000.00
8	<b>Agarose (type II) suitable for plant cell and tissue culture (50g)</b>	btl	1	9,000.00	9,000.00
9	<b>Alcohol, Denatured</b>	gallons	6	500.00	3,000.00
10	<b>Ammonium Acetate, AR</b>	kgs	2	1,800.00	3,600.00
11	<b>Ammonium Flouride</b>	btl	1	1,000.00	1,000.00
	■White crystalline				
	■ACS reagent, ≥98.0%				
	■500g				
12	<b>Ammonium nitrate (NH<sub>4</sub>NO<sub>3</sub>) suitable for plant cell and tissue culture</b>	kg	1	5,000.00	5,000.00
13	<b>Ascorbic acid</b>	btl	1	1,800.00	1,800.00
	■Analytical reagent grade, crystalline powder, <b>25 g/bottle</b>				
14	<b>Autoclavable Pipetter of Single Channel, 0.2-2 µl</b>	pc	1	17,000.00	17,000.00
	with stainless steel ejector				
	volume in micro liter (range: 0.2 - 2)				
	increment: 0.002 micro liter				



	systematic error in micro liter (range: $\pm 0.024$ to $\pm 0.03$ )				
	random error in micro liter (range: $\leq 0.012$ to $\leq 0.014$ )				
	systematic error percentage (range: $\pm 12$ , to $\pm 1.5$ )				
	random error in CV (range: $\leq 6$ to $\leq 0.7$ )				
	each pipette should be calibrated according to ISO 8655 standards				
	variable volume micropipettes feature built-in tip ejectors and autoclavable tip cones				
	secure volume lock				
	Five year warranty				
15	<b>Autoclavable Pipetter of Single Channel, 100-1000 ul</b>	pc	1	15,000.00	15,000.00
	with stainless steel ejector				
	volume in micro liter (range: 100 - 1000)				
	increment: 1 micro liter				
	systematic error in micro liter (range: $\pm 3$ to $\pm 8$ )				
	random error in micro liter (range: $\leq 0.6$ to $\leq 1.5$ )				
	systematic error percentage (range: $\pm 3$ to $\pm 0.8$ )				
	random error in CV (range: $\leq 0.6$ to $\leq 0.15$ )				
	each pipette should be calibrated according to ISO 8655 standards				
	variable volume micropipettes feature built-in tip ejectors and autoclavable tip cones				
	secure volume lock				
	Five year warranty				
16	<b>Autoclavable Pipetter of Single Channel, 10-100 ul</b>	pc	1	15,000.00	15,000.00
	with stainless steel ejector				
	volume in micro liter (range: 10 - 100)				
	increment: 0.2 micro liter				
	systematic error in micro liter (range: $\pm 0.35$ to $\pm 0.8$ )				
	random error in micro liter (range: $\leq 0.10$ to $\leq 0.15$ )				
	systematic error percentage (range: $\pm 3.5$ to $\pm 0.8$ )				
	random error in CV (range: $\leq 1.0$ to $\leq 0.15$ )				
	each pipette should be calibrated according to ISO 8655 standards				
	variable volume micropipettes feature built-in tip ejectors and autoclavable tip cones				
	secure volume lock				
	five year warranty				
17	<b>Autoclavable Pipetter of Single Channel, 1-10 ul</b>	pc	1	17,000.00	17,000.00
	with stainless steel ejector				
	volume in micro liter (range: 1 - 10)				
	increment: 0.02 micro liter				
	systematic error in micro liter (range: $\pm 0.025$ to $\pm 0.1$ )				
	random error in micro liter (range: $\leq 0.012$ to $\leq 0.04$ )				
	each pipette should be calibrated according to ISO 8655 standards				



	variable volume micropipettes feature built-in tip ejectors and autoclavable tip cones				
	secure volume lock				
	five year warranty				
18	<b>Autoclavable Pipetter of Single Channel, 20-200 ul</b>	pc	1	15,000.00	15,000.00
	with stainless steel ejector				
	volume in micro liter (range: 20 - 200)				
	increment: 0.2 micro liter				
	systematic error in micro liter (range: $\pm 0.5$ to $\pm 1.6$ )				
	random error in micro liter (range: $\leq 0.2$ to $\leq 0.3$ )				
	systematic error percentage (range: $\pm 2.5$ to $\pm 0.8$ )				
	random error in CV (range: $\leq 1.0$ to $\leq 0.15$ )				
	each pipette should be calibrated according to ISO 8655 standards				
	variable volume micropipettes feature built-in tip ejectors and autoclavable tip cones				
	secure volume lock				
	five year warranty				
19	<b>Autoclavable Pipetter of Single Channel, 2-20 ul</b>	pc	1	17,000.00	17,000.00
	with stainless steel ejector				
	volume in micro liter (range: 2 - 20)				
	increment: 0.02 micro liter				
	systematic error in micro liter (range: $\pm 0.1$ to $\pm 0.2$ )				
	random error in micro liter (range: $\leq 0.03$ to $\leq 0.06$ )				
	systematic error percentage (range: $\pm 5$ to $\pm 1$ )				
	random error in CV (range: $\leq 1.5$ to $\leq 0.3$ )				
	each pipette should be calibrated according to ISO 8655 standards				
	variable volume micropipettes feature built-in tip ejectors and autoclavable tip cones				
	secure volume lock				
	five year warranty				
20	<b>Basic Bench pH meters with replaceable electrode and buffer</b>	unit	1	60,000.00	60,000.00
	■Accuracy temperature: $\pm 0.3^{\circ}\text{C}$				
	■Accuracy pH: $\pm 0.1$				
	■Electrical requirements: AC/DC 9 V adapter (220 VAC, 60 Hz)				
	■Resolution (mV): 0.1 mV ( $\pm 199.9$ mV); 1 mV beyond $\pm 200$ mV				
	■Temp probe calibration: offset in $0.1^{\circ}\text{C}$ increments; offset range $\pm 5^{\circ}\text{C}$				
	■Range pH: 0 to 14				
	■Accuracy mV: $\pm 0.2$ mV ( $\pm 199.9$ mV), $\pm 2$ mV beyond $\pm 200$ mV				
	■Calibration points: 1 to 5 points with automatic buffer recognition (ABR)				





	☑Include 13-620-AE6-delete 3-in-1 single junction gel pH/ATC electrode				
	☑Memory: 100 datasets				
	☑Resolution temperature: 0.1°C				
	☑Temperature compensation: automatic or manual (0 to 100°C)				
	☑Temperature range metric: 0.0 to 100.0 °C				
	☑Range mV: ±1999 mV				
	☑Resolution pH: 0.01				
	☑Power source: 220 - 240 50/60 Hz				
	☑Warranty: 2-year meter warranty; 6-month electrode warranty				
21	<b>Beaker, Glass, 150 mL</b>	pcs	10	380.00	3,800.00
	☑Low Form Beaker				
	☑Borosilicate Glass				
	☑Transparent Beaker				
	☑Thickened With Spout				
22	<b>Beaker, Glass, 2000mL, borosilicate glass</b>	pcs	2	1,000.00	2,000.00
23	<b>Benzylaminopurine (BAP) suitable for plant cell and tissue culture (5g)</b>	btl	1	4,000.00	4,000.00
24	<b>Biotin, powder, BioReagent, suitable for plant cell and tissue culture (500mg)</b>	btl	1	7,000.00	7,000.00
25	<b>Boric acid (H3BO3) suitable for plant cell and tissue culture</b>	btl	1	1,000.00	1,000.00
	molecular weight: 61.83				
	500 grams				
26	<b>Boric Acid, Analytical Reagent</b>	kgs	1	2,800.00	2,800.00
27	<b>Bromocresol purple suitable for plant cell and tissue culture (5g)</b>	btl	1	2,500.00	2,500.00
28	<b>Brush for cleaning 250mL Erlenmeyer Flask</b>	pc	1	250.00	250.00
	☑Bristle Color: White Bristle				
	☑Brush+Handle Length: 12"				
	☑Brush Diameter: 1 3/8"				
	☑Brush Length: 3 1/2"				
	☑Suitable for cleaning 250mL Erlenmeyer Flask				
29	<b>Calcium Chloride</b>	btls	3	1,500.00	4,500.00
	☑AR grade; 500g				
30	<b>Calcium Chloride (CaCl2) suitable for plant cell and tissue culture</b>	btl	1	1,600.00	1,600.00
	Dried				
	1.5-2.5mm				
	Molecular Weight: 246.47				
	500grams				
31	<b>Camera V2 Module Light-sensitive Chips 8MP Pixel with IMX219 1080P Video Suppo</b>	set	1	1,550.00	1,550.00
	☑Support infrared night vision function, can switch day and night mode, night vision picture clearer.				



	☐With high-definition camera quality, bring pure and exquisite picture quality experience, the image is clearer.				
	☐The day&night vision camera perfectly compatible for Raspberry Pi series 4B/3B+/3B/2B Model.				
	☐The product includes 1 piece night vision camera, 1 piece flex cable.				
32	<b>Camera v2 Module, Official 8MP Night Vision IMX219 Sensor</b>	set	1	2,400.00	2,400.00
	☐No IR filter				
	☐High-quality imagery				
	☐High data capability				
	☐8 megapixels fixed focus				
	☐Supports 1080p, 720p60 & VGA9				
	☐15-pin ribbon cable				
	☐Second Generation Raspberry Pi NoIR Camera Module with Fixed Focus Lens				
	☐Sony Exmor IMX219 Sensor Capable of 4K30, 1080P60, 720P180, 8MP Still				
	☐3280 (H) x 2464 (V) Active Pixel Count				
	☐Maximum of 1080P30 and 8MP Stills in Raspberry Pi Board				
	☐2A Power Supply Highly Recommended				
33	<b>Casein hydrolyzate for tissue culture suitable for plant cell and tissue culture (100g)</b>	btl	1	2,000.00	2,000.00
34	<b>Cobalt chloride (CoCl<sub>2</sub>, 6H<sub>2</sub>O) suitable for plant cell and tissue culture</b>	btl	1	1,600.00	1,600.00
	Molecular weight: 249.68				
	500g				
35	<b>Colchicine suitable for plant cell and tissue culture (1g)</b>	btl	1	15,000.00	15,000.00
36	<b>Copper sulfate, CuSO<sub>4</sub></b>	btls	4	1,800.00	7,200.00
	☐Anhydrous, Analytical reagent grade, 500g/bottle				
37	<b>Copper Sulphate, 500 grams/pack</b>	pack	1	500.00	500.00
38	<b>Cupric sulfate (CuSO<sub>4</sub>, 5H<sub>2</sub>O) suitable for plant cell and tissue culture (500g)</b>	btl	1	1,600.00	1,600.00
39	<b>D-Calcium panthothenate suitable for plant cell and tissue culture (100g)</b>	btl	1	5,600.00	5,600.00
40	<b>Digital Smart Temperature Controller K Thermocouple Thermostat</b>	sets	5	800.00	4,000.00
	☐Item Name: Intelligent Thermostat				
	☐Material: ABS				
	☐Working Voltage: 220VAC, 50Hz/60Hz				
	☐Temperature Control Accuracy: 1.0 Control Method PID Control and Self-tuning Control				
	☐Working Environment: 0~50 Degree Celsius				
	☐Relative Humidity: 30 Percent~85 Percent RH				
	☐Input Mode: K/E/J/R/S/B/N/T/PT100/CU500 Adjustable				





	☐Output Mode: Relay				
	☐Features: Convenient to Use, Fine Workmanship, Durable				
	☐Size:48 x 48 x 107mm/1.89" x 1.89" x 4.21" (Approx.)				
	☐Panel Size: 48 x 48mm/1.89" x 1.89" (Approx.)				
	☐Hole Size: 45 x 45mm/1.77" x 1.77" (Approx.)				
	☐Blue water container				
41	<b>EMS (Ethyl methanesulfonate) for plant genetic studies (10g)</b>	btl	1	8,500.00	8,500.00
42	<b>Erlenmeyer Flask, Glass, 250mL</b>	pcs	20	400.00	8,000.00
	☐Material: Borosilicate Glass				
	☐Good Quality				
43	<b>Erlenmeyer Flask, Glass, 500ml</b>	pcs	20	600.00	12,000.00
	☐Material: Borosilicate Glass				
	☐Good Quality				
44	<b>Ethylenediaminetetraacetic acid disodium salt (Na2-EDTA) suitable for plant cell and tissue culture(500g)</b>	btl	1	1,500.00	1,500.00
45	<b>Exhaust Gas Temp Sensor 2m EGT K Type Thermocouple Probe Exhaust Temperature Sensors Threads Exhaust</b>	sets	5	675.00	3,375.00
46	<b>FCI-INGAAS-1000 IR InGaAs Photodiode, Through Hole TO-46, TO-5</b>	set	1	8,400.00	8,400.00
	☐Spectrum Detected: Infrared				
	☐Package type: TO-46, TO-5				
	☐Mounting Type: Through hole				
	☐Number of Pins: 2				
	☐Diode Material: InGaAs				
	☐Minimum wavelength Detected: 900nm				
	☐Maximum wavelength Detected: 1700nm				
47	<b>Ferrous sulfate (FeSO4, 7H2O) suitable for plant cell and tissue culture</b>	btl	1	1,000.00	1,000.00
48	<b>Ferrous Sulphate</b>	btls	8	1,500.00	12,000.00
	☐Analytical Grade				
	☐500 G				
49	<b>Gellan Gum, Agar substitute gelling agent suitable for plant cell and tissue culture (250g)</b>	btl	1	15,000.00	15,000.00
50	<b>Gloves, Nitrile, Large</b>	boxes	7	500.00	3,500.00
	☐Glove Type: Chemical Resistant Disposable Gloves				
	☐Glove Material: Nitrile				
	☐Powder-Free				
	☐1 box of 100 or 50 pairs				
	☐Food Safe				
	☐Size: large				
51	<b>Gloves, Nitrile, Medium</b>	boxes	2	500.00	1,000.00
	☐Glove Type: Chemical Resistant Disposable Gloves				
	☐Glove Material: Nitrile				
	☐Powder-Free				



	☐ 1 box of 100 or 50 pairs				
	☐ Food Safe				
	☐ Size: Medium				
52	<b>Grade 1 Qualitative Filter Paper, Diameter: 12.5cm, Pore Size: 11µm, at least 100 pcs./pack</b>	pack	1	700.00	700.00
53	<b>Indoleacetic acid (IAA) suitable for plant cell and tissue culture (5g)</b>	btl	1	3,500.00	3,500.00
54	<b>Lab Gown Long Sleeves L</b>	pcs	4	500.00	2,000.00
	☐ Lab Coat High-quality White				
	☐ Size- Large; long sleeves				
55	<b>Latex Disposable Gloves Powder Free (Medium), 100 pcs. or 50 pairs per box</b>	boxes	2	600.00	1,200.00
56	<b>L-Proline (pure grade), 500g</b>	btl	1	3,000.00	3,000.00
	☐ L-Proline (pure grade; solid 500g)				
	☐ Assay: ≥99%				
	☐ White crystals				
57	<b>Magnesium Sulphate (MgSO<sub>4</sub>.7H<sub>2</sub>O) suitable for plant cell and tissue culture</b>	btl	1	1,100.00	1,100.00
	Wt. 169.01				
	Colourless efflorescent crystals				
	500 grams				
58	<b>Manganese sulfate (MnSO<sub>4</sub>, H<sub>2</sub>O) suitable for plant cell and tissue culture (500g)</b>	btl	1	1,100.00	1,100.00
59	<b>Methyl orange, Sodium salt</b>	btl	1	2,000.00	2,000.00
	☐ CAS 547-58-0				
	☐ 25g				
	☐ Orange Solid, Crystalline				
	☐ Analytical Grade				
60	<b>Microscope Slides and cover slips</b>	pcs	1	370.00	370.00
	☐ Pre-Cleaned Blank slides with 100 22 x 22 mm square Cover Slip				
61	<b>Microscope Slides and Square Cover Glass</b>	box	1	450.00	450.00
	☐ 100pc pre-cleaned blank microscope glass slides with ground edges plus 100 piece 22x22mm square glass cover slips.				
	☐ Slide dimensions - 1" x 3" (25.4x76.2mm) with ground edges.				
	☐ Cover slips are 7/8 x 7/8" (22x22mm) and 0.006" (0.13-0.17mm) in thickness.				
62	<b>Molybdic acid (sodium salt) (Na<sub>2</sub>MoO<sub>4</sub>, 2H<sub>2</sub>O) suitable for plant cell and tissue culture ( 500grams, AR)</b>	btl	1	2,200.00	2,200.00
63	<b>Multifunctional LCD Digital Multimeter DMM DC AC Voltage Current Resi</b>	set	1	940.00	940.00
	☐ Maximum display: 4000				
	☐ Operational temperature: 0-40°C, <75%				
	☐ RH Storage temperature: -20-60°C, <80% RH				



	☑Power supply: 3V (2 * 1.5V )				
	☑AAA battery (Not included) Power consumption: 4.5mW (Typical)				
	☑DC voltage: 400.0mV/4.000V/40.00V/400.0V/600V DC				
	☑voltage resolution: 0.1mV/1mV/10mV/100mV/1V				
	☑AC voltage (RMS): 400.0mV/4.000V/40.00V/400.0V/600V				
	☑AC voltage resolution: 0.1mV/1mV/10mV/100mV/1V				
	☑DC current: 40.00mA/400.0mA/10.00A				
	☑DC current resolution: 10μA/100μA/10mA				
	☑AC current (RMS): 40.00mA/400.0mA/10.00A				
	☑AC current resolution: 10μA/100μA/10mA				
	☑Resistance: 400.0Ω/4.000kΩ/40.00kΩ/400.0kΩ/4.000MΩ/40.00MΩ				
	☑Resistance resolution: 0.1Ω/1Ω/10Ω/100Ω/1kΩ/10kΩ				
	☑Capacitance: 4.000nF/40.00nF/400.0nF/4.000μF/40.00μF/200μF				
	☑Capacitance resolution: 1pF/10pF/1nF/10nF/100nF/1000nF				
	☑Frequency: 99.5Hz/999.5Hz/9.999kHz/99.99kHz/999.9kHz/9.999MHz Frequency resolution: 0.5Hz/0.5Hz/1Hz/10Hz/100Hz/1kHz				
	☑Duty cycle: 0.1% to 99.9%				
	☑Item size: 130 * 65 * 32mm / 5.1 * 2.56 * 1.26in				
	☑Item weight: 114.5g / 4.0oz				
	☑Package weight: 224g / 7.9oz				
	☑Package size: 16 * 8 * 5cm / 6.3 * 3.15 * 1.97in				
	☑Package List: 1 * Multimeter 1 * Pair of test leads 1 * English user manual 1 * Carrying bag				
64	<b>Myo-inositol suitable for plant cell and tissue culture (100gms)</b>	btl	1	2,000.00	2,000.00
65	<b>Nano Engraving Transmission Diffraction Grating Teaching, wavelength range:2</b>	set	1	3,750.00	3,750.00
	☑Size: 20 x 20mm				
	☑Material: Glass				
	☑Structure: Diffraction Grating				
	☑wavelength range: 200nm – 10,000nm				
66	<b>Nicotinic acid suitable for plant cell and tissue culture (100g)</b>	btl	1	3,000.00	3,000.00
67	<b>Ninhydrin (1,2,3 -Indanetrione monohydrate), 25g</b>	btl	1	2,000.00	2,000.00
	☑CAS 485-47-2				
	☑White solid				
	☑25g				
	☑Analytical Grade				
68	<b>Peptone</b>	btl	1	2,800.00	2,800.00
	☑500g for bacteriological work				
69	<b>Petroleum Ether, AR</b>	gallon	1	3,500.00	3,500.00



70	<b>Phytigel, Sigma (Should be Sigma for Protocol)</b>	kls	6	40,000.00	240,000.00
	☐Chemical must be plant tissue culture tested for at least 20 years				
	☐ISO complaint				
	☐ACS REAG				
	☐PH EUR				
	☐meets USP standards				
	☐Bio reagents suitable for cell culture				
71	<b>Portable Moisture Tester for Grain with Digital Meter Readout, Grain Tester with Carry Case</b>	set	1	20,000.00	20,000.00
	Specification:				
	Backlit display for nighttime use				
	Built-in calibration button for displaying the average of saved test results				
	Multi-language display				
	Higher-frequency, capacitive circuit improves accuracy				
	Moisture range: 5% to 40% depending on grain tested				
	Temperature range: 32° to 113°F (0° to 45°C)				
	Repeatability & Accuracy: ± 0.5% in normal moisture range for stored grain				
	Single-point or Precision multi-point calibration to match local elevator				
	Direct readout for 40 different grain scales				
	Case color: Black				
	Material: Plastic				
	Power source: Battery-powered				
	Voltage: 9 Volts				
	Certification: certified frustration-free				
	Battery included: yes				
	Includes Protective carrying case with shoulder strap with warranty				
72	<b>Potassium Antimony Tartrate (III) Hydrate, AR, 500g</b>	btl	1	3,000.00	3,000.00
73	<b>Potassium Chloride 500g</b>	pack	4	1,500.00	6,000.00
	☐Chemical must be plant tissue culture tested for at least 20 years				
	☐ISO complaint				
	☐ACS REAG				
	☐PH EUR				
	☐meets USP Standards				
	☐Bioreagent suitable for cell culture				
74	<b>Potassium Dichromate, AR Grade</b>	btls	3	1,550.00	4,650.00
	☐500 grams/poly bottle				
75	<b>Potassium iodide (KI) suitable for plant cell and tissue culture</b>	btl	1	2,200.00	2,200.00
	Molecular weight 166				
	500 grams				
76	<b>Potassium Nitrate (KNO3) suitable for plant cell and tissue culture</b>	kgs	1	5,500.00	5,500.00



	1 kilogram of Potassium Nitrate				
77	<b>Potassium Phosphate (KH<sub>2</sub>PO<sub>4</sub>) suitable for plant cell and tissue culture (500g)</b>	btl	1	1,200.00	1,200.00
78	<b>Pyridoxine.HCl suitable for plant cell and tissue culture(25g)</b>	btl	1	4,900.00	4,900.00
79	<b>Resealable Plastic Bag, Large</b>	packs	5	500.00	2,500.00
	■resealable pastic bag, zip lock, 340 mm x 450 mm (13" x 18"), 100 pcs per pack				
80	<b>Serial Basic Breakout - CH340G</b>	set	1	600.00	600.00
	■It works with 5V and 3.3V systems				
	■USB-to-Serial adapter				
81	<b>Sodium Hydroxide, AR 500G</b>	btls	10	1,200.00	12,000.00
	■500 g/bottle, AR, Pellets				
82	<b>Sodium Hydroxide, Technical grade, 1kg/pack</b>	packs	30	100.00	3,000.00
83	<b>soil temperature and humidity probe / waterproof I2C temperature and humidity sensor module te</b>	sets	4	2,100.00	8,400.00
	■Power supply voltage: 2.4~5.5VDC				
	■Measurement accuracy: temperature ±0.1 °C, humidity plus or minus 1.5%RH				
	■Working test range: -40°C~125°C, 0%RH~100%RH				
	■Resolution: 0.1°C, 0.1%RH				
	■Communication protocol: standard I2C protocol				
	■Line length: 1M				
	■Wiring method: VCC-red, GND-black, SLC-yellow, SDA-green				
84	<b>Stainless Steel Crucible Tongs</b>	pc	1	450.00	450.00
	■25 cm				
	■Stainless Steel				
85	<b>Stainless Steel Laboratory Microspatula</b>	pcs	2	150.00	300.00
86	<b>Standard Method Agar (PCA)</b>	btl	1	4,500.00	4,500.00
	Plate Count Agar				
	500g				
87	<b>Stirring Rod</b>	pc	1	100.00	100.00
	■big size, => 10 inches long, fire polished ends with no policeman				
88	<b>Thiamine.HCl suitable for plant cell and tissue culture (25gms)</b>	btl	1	4,900.00	4,900.00
89	<b>Toluene</b>	btl	1	7,300.00	7,300.00
	■(CAS 108-88-3)				
	■2.5 liters,				
	■Analytical Grade				
	■99.5%,				
90	<b>Triad Spectroscopy Sensor - AS7265x (Qwiic) (SPARKFUN)</b>	set	1	7,950.00	7,950.00
	■Selectable interface: I2C or Serial (115200bps)				
	■18 frequencies of light sensing from 410nm to 940nm				
	■28.6 nW/cm2 per count				



	■Accuracy of +/- 12%				
	■Integrated 405nm UV, 5700k White, and 875nm IR LEDs				
	■Software control over each illumination LED as well as current control				
	■Optional external bulb or illumination control				
	■Programmed with latest firmware from AMS				
91	<b>Utility Gloves, Rubber, Large, Non-Sterile</b>	pairs	6	140.00	840.00
92	<b>Wide Mini-Sub Cell Horizontal Electrophoresis System</b>	pc	1	120,000.00	120,000.00
	Base footprint (LxWxH): 25.5x17.8x6.8cm				
	Base buffer volume: 650-900ml				
	Base Gel size: 15x7cm				
	Tray sizes: 15x10 cm				
	Base: Molded clear plastic				
	Gel Casting gates: Aluminum				
	Safety Lids: Molded clear Plastic				
	Electrode wire guard: Molded polycarbonate				
	Banana Plugs: Gold-plated brass, 4.4cm length				
	Electrode: Platinum, 0.25mm diameter				
	Electrical cables: Dual, 20AWG, tinned copper wire cable, Flame-retardant polyurethane insulation jacket				
	Electrical leads: Nickel-silver				
	Gel Tray: UV- transparent acrylic plastic (UVTP)				
	Combs: Molded plastic and machined acrylic				
	Gel casting device: polycarbonate 0.64 cm silicon foam				
	Input power: Nominal= 220–240 VAC, 50–60 Hz; 700 W maximum				
	with power supply				
	Actual = 90-132 or 198-264 VAC, 50-60-Hz				
	Fuses: 2.5 A, 250VAC, 5mmx20mm. Type T				
	Input power cord: 3-wired; grounded				
	Output (programmable)				
	Voltage: 10V to 300V, fully adjustable in 1 V steps				
	Voltage accuracy:±2% of reading or 3 volts, whichever is more				
	Current: 4mA to 400mA, fully adjusted in 1 mA steps				
	Current accuracy: ±2% of reading or 3mA, whichever is more				
	Power(maximum): 75W				
	Terminals: 4-pair recessed banana jack, floating parallel				
	Timer Control: 001-999 minutes, fully adjustable				
	Ripple: 1% @300 V and 70W				
	Line Regulation: 1% @300 V and 70W, 90-132 or 198-264 VAC				
	Load Regulation: 1% @300 V for 50% change in output load				
	Drift: 1% @ after 15mins warm up at 300V and 70W				





	Noise: 55dBA at 1 meter				
	Readout stability: Volts= $\pm$ V; Current: $\pm$ 1Ma				
	Auto power up after power failure: User selectable, setup values maintained				
	Safety compliance: EN-61010				
	EMI: Conforms to CE standard for emissions and immunity Class A, testes only at 230 V				
	Display function: 3-digit LED display, voltage, current or time				
	Function Modes: Constant voltage, constant current, timer, pause, user selectable				
	Automatic power up after power failure				
	Envi: Operating Tem (40°C); Humidity (0-95%, in the absence of condensation)				
	Dimensions (W x D x H): 25 x 21 x 8.5 cm				
	unit is stackable				
	Inclusions: Lid with Cables, 15cm x 10cm (WxL) UV transparent tray, Leveling bubble, 15-well comb, fixed height, 1.5 mm thickness, 20-well comb, fixed height, 1.5 mm thickness, Gel caster, PowerPac Basic Power Supply				
93	<b>Zinc sulfate (ZnSO<sub>4</sub>, 7H<sub>2</sub>O) suitable for plant cell and tissue culture</b>	btl	1	1,200.00	1,200.00
	molecular weight: 287.54				
	500grams				
94	<b>1.8 mL Cryotubes</b>	packs	30	175.00	5,250.00
	■1.8ml freezing tube				
	■Material: Plastic				
	■Color: clear with orange caps				
	■Packaging: 10pcs/pack				
	■Purpose: Multifunctional cryotubes				
95	<b>1-5 mL Pipette Tips</b>	packs	4	1,200.00	4,800.00
	■5000 uL (5ml) pipette tips				
	■Diameter of inner tube: 13 mm				
	■Available in bulk packs.				
	■Virgin polypropylene.				
	■Autoclavable				
	■Color: Natural				
	■Package: 300pcs/pack				
	■1000-5000uL (1-5mL) capacity				
96	<b>5 ml Pipette Rectangle Pipette Tip Box</b>	units	3	750.00	2,250.00
	■Material: Plastic, autoclavable				
	■28 Positions				
	■Fit for 5ml pipettor tips				
	■Each hole diameter : 11mm/0.43"				
	■Total size: 12 x 9.3 x 16 cm/4.72" x 3.66" x 6.3" (LxWxH).				



	Weight: 148g				
	Empty box, not including tips				
97	<b>5ml Plastic Centrifuge - Microtubes/Vials</b>	packs	3	257.00	771.00
	Specifications:				
	Scale: 5ml (Permissible error 0.1 ml)				
	Length: 63mm / outer diameter: 15mm				
	Material: PP				
	Type: Disposable				
	Withstand temperature range: -80 ? + 121 degrees C				
	Autoclavable: 121 degree C.				
	Highest speed: 12000 r/min, continuous work for 15 minutes				
	Benefits: Smooth side walls, good transparency, good sealing lid, the sample is not volatile, convenient printing scale experimental measurement.				
	Package include: 30 x 5ml plastic centrifuge test tube vial container				
98	<b>Constant Laboratory Temperature Incubator</b>	unit	1	67,000.00	67,000.00
	Capacity: 50L				
	TEMP RANGE: RT+5-60°C				
	TEMP PRECISION: 0.1°C				
	Features:				
	LCD display				
	Microprocessor temperature controller				
	The working chamber adopts round angle structure, easy to clean.				
	Double door design and magnetic door sealing.				
	Water-jacket function which helps to keep long time temperature upon power off.				
	Water overflow protection				
	Safety function:				
	Over temperature protection, temperature sensor malfunction alarm.				
	Parameters can be saved automatically when power off or system error.				
	High and low water level alarm, automatic heating off for low water level.				
99	<b>Horizontal Benchtop Autoclave Steam Sterilizer</b>	unit	1	80,000.00	80,000.00
	Horizontal Benchtop Autoclave Steam Sterilizer, 24 L				
	Specifications:				
	Chamber Capacity: 26x46cm-delete				
	Inside Capacity: at least 24L				
	Sterilize Temperature: 126 deg. celsius (highest)				
	Sterilize Pressure: 1.5kg/cm3 (highest)				
	Sterilize Time: 35 minutes				
	Heater: 1500W				
	Material Quality: Stainless Steel SUS No. 304, Boiler chamber surface with burnish				



	☑Electric Current: 220V 7A9A				
	☑Safety Equipment: Double pressure adjustment, adjust the inner pressure, if over standard value automatic vent				
100	<b>Laboratory Stool/Chair, Wheeled</b>	pc	1	4,500.00	4,500.00
	Anti-static stool				
	Adjustable height: at least 40-60 cm				
	Weight capacity: at least 300lbs				
	Ergonomic with hip to mid-waist level back support				
	With round footrest/ foot ring				
	Anti-slip seat material: Rugged polyurethane				
	No. of wheels: 5				
	Standard style w/polished aluminum base: 20"-30"				
	Seat shape: Round				
	Color: Black				
101	<b>Manual Ball Sealer for Semen Straws, 0.5mL Set</b>	set	1	63,000.00	63,000.00
	☑used for sealing individual 0.5ml semen straws.				
	☑Includes:				
	◀ Sealing ball, glass, for 0.5 ml straws, black (REF: 13400/1000) - 1 pack for 1000 pcs				
	◀ Sealing ball, metal, for 0.5 ml straws (REF: 13400/9900) - 2 packs for 2000 pcs				
	◀ EcoStraw, 0.5 ml, transparent grey (REF: 13408/3074) - 1 pack for 2500pcs				
	◀ 1 MiniCutter for semen straws (REF: 17062/0010)				
102	<b>Micro Centrifuge Ventilated (Ambient)</b>	unit	1	190,000.00	190,000.00
	☑Angle rotor 24 x 1.5 ml / 2.0 ml, with standard cover				
	☑Angle of rotor: 45°				
	☑Max. speed: 15000 rpm				
	☑Max. RCF: 21380 x g				
	☑Construction:				
	☑Weight without rotor: at most 35 kg (77 lbs)				
	☑The centrifuge's main body shall be constructed from electrogalvanized steel; chamber construction is plastic ABS (Acrylonitrile butadiene styrene).				
	☑External surfaces are powder coated with <i>Isocide™-delete</i> antimicrobial coating on all painted surfaces to inhibit bacterial growth.				
	☑Power requirements:				
	☑The centrifuge shall work on 230 V AC, 50/60 Hz				
	☑Performance:				
	☑RCF range: 10-21380 x g				
	☑Speed range: 200-15000 rpmM				
	☑Maximum volume: 44 x 1.5/2.0 ml; 4 x 8 PCR strips; 24 capillaries				
	☑Number of rotor options: 7				
	☑Temperature control range: Ambient				



	☑Time set range: 99 hrs 59 mins / 59 min 50 s in 1min / 10s increments / continuous				
	☑Maintenance-free, brushless motor				
	☑Equipped with German-originated motor, requiring neither bearing replacement nor change oil.				
	☑No carbon brush, low interference to radio equipment.				
	☑Aerosol-tight rotor				
	☑High-quality, extremely robust aluminum lid rotor for aerosol-tight centrifugation				
	☑All rotor, buckets, lids, and adapters are autoclavable (20 min, 121°C).				
	☑V-balance™ weight imbalance protection				
	☑Automatic imbalance recognition that allows the rotor to decelerate and stop.				
	☑Genuine-Protex™ safety lid design				
	☑Safety lid with motor-driven design, provides a real safe protection for misoperation.				
	☑Large storage space				
	☑Allow the users to edit and store up to 99 programs with speed, centrifugal force, running time, temperature, and acceleration or deceleration rate, and rotor code.				
	☑Automatic conversion between RPM and RCF				
	☑Adjustable acceleration / deceleration control system- Offer 10 different types of acceleration / deceleration rate options. Both 0-9 options on acceleration/deceleration.				
	☑Alarm system- Audible and visual alarms are activated during system failure. There are total of 10 alarm sounds available.				
	☑Overspeed protection (OSP)				
	☑Over-temperature protection (OTP)				
	☑Various operation mode- Three types of spin mode: short spin for short running, continuous spin and time-setting spin can be chosen to suit various applications.				
	☑Real-time modification of parameter - The parameters like rotary speed, RCF, running time, and temperature can be adjusted during the operation to improve your working efficiency.				
	☑Controller:				
	☑Microprocessor control system - Big rotary knob and buttons, convenient for rotation and operation and large LCD screen with clear indication of running condition including rotor, speed, time etc.				
	☑Operation panel is water-proof which can well protect the inner electric parts.				
	☑An error message is displayed on LCD for troubleshooting and an audible alarm is activated during system failure.				



103	<b>Microwave Oven, 30L</b>	unit	1	12,000.00	12,000.00
	☐30 Liters Microwave Oven				
	☐Quick Defrost				
	☐Push Bottom + Knob + Digital				
	☐Automatic Programmes				
	☐5 Power Levels				
	☐LED White Color				
	☐Turntable Size: 315mm				
	☐Voltage: 230V				
	☐Frequency: 60Hz				
	☐Microwave Power: 100W				
104	<b>PET Seal Bottles/Reagent Vials</b>	packs	10	230.00	2,300.00
	☐EREMY1 Portable Bottle Container PET Seal Bottles Spray Bottle Pill Container Powder Container Reagent Vials Plastic Chemical Container				
	◀Color: Clear				
	◀Quantity: 10pcs/pack				
	◀Type: Refillable Bottles: 15ml, 20ml, 30ml, 60ml				
105	<b>Pipettor Set - Volumetric Pipette Controller and Miropipette Pipettors Complete</b>	set	1	85,000.00	85,000.00
	☐1- Electronic pipette controller - 0.1-200mL range; battery pack: Lithium battery 2.4V; pipetting speed: 50ml in less than 10 seconds; for glass and plastic pipettes from 0.1-200ml; includes assorted reusable/autoclavable glass pipettes 10-50mL capacity				
	☐4- Micropipette set - fully autoclavable; volumes: 2uL-20UL, 10uL-100uL, 100uL-1000uL, 500uL-5000uL; color-coded push buttons for each volume; includes carousel stand				
106	<b>Plastic Dredge Reagent Bottles</b>	set	1	550.00	550.00
	☐Made of PE material for durable and practical to use.				
	☐250ml capacity				
	☐Color: white with blue cap				
	☐Size: About 11.00 x 7.00 x 5.00cm/4.32 x 2.75 x 1.97 inch.				
	☐The product is light and compact, easy to use and portable to carry.				
	☐Package Includes: 10 x bottles				
107	<b>Rectangle Microscope Glass Slide Holder Box</b>	packs	2	270.00	540.00
	☐Microscope 5-Slide Box				
	☐Material : Plastic				
	☐Each Box Can Hold 5 pieces of microscope slides				
	☐Box Size : 8.7 x 2.8 x 1.9cm				
	☐Fit Slide Size : 7.8x 2.6cm				
	☐Package Weight : 100g				
	☐Package : 10 x Microscope Slide Box				
108	<b>Stainless Steel Thermal Insulated Flask</b>	units	5	450.00	2,250.00
	☐Thermal Cup Specifications:				



	☑Keeps warm and cold, can be filled with water to keep warm				
	☑Sealed and leak-proof, heat insulation and scalding				
	☑Hook and handle- easy to take				
	☑500 mL Portable Stainless Steel Food Thermal Insulated Container				
	☑Leakproof Thermal Cup Vacuum Flasks				
	☑Material: 304 stainless steel+PP+PS+silicone				
	☑Size: 15*9.6cm				
	☑Color: yellow/blue/red				
109	<b>Sterile Specimen/Reagent Cup with Lid</b>	packs	10	150.00	1,500.00
	☑Sterile specimen/reagent cup with lid				
	☑60ml capacity with built in plastic spoon				
	☑leak free				
	☑6 pieces/pack				
	<b>Rebidding(GOODS-21-52)</b>				
110	<b>1X Dulbecco's Modified Eagle Medium (DMEM)</b>	pack	1	26,000.00	26,000.00
	For cell culture: mammalian suitable				
	Components: 4.5g/L D-Glucose, L-glutamine, 110mg/L Sodium pyruvate				
	Pack of 10 bottles, 500mL per bottle				
	Sterile filtered				
111	<b>3 layer Non-woven surgical face mask, at least 50 pcs. per box</b>	boxes	3	200.00	600.00
	3 layer Non-woven surgical face mask				
112	<b>5000 ul pipette tips (Neutral), at least 1000 pcs. per pack</b>	packs	3	2,300.00	6,900.00
	☑5000 ul pipette tips (Neutral)				
113	<b>Activated Acid-washed Charcoal</b>	pack	1	15,000.00	15,000.00
	☑Chemical must be plant tissue culture tested for at least 20 years				
	☑ISO complaint				
	☑ACS REAG				
	☑PH EUR				
	☑meets USP Standards				
	☑Bioreagent suitable for cell culture				
	☑2.5kg per pack				
114	<b>Blot Filter paper, at least 8.6 x 13.5 cm</b>	pack	1	12,100.00	12,100.00
	☑Material: Filter paper from 100% cotton fiber				
	☑For blotting applications as part of the gel, membrane, and filter paper stack, or sandwich				
	☑Dimension: at least 8.6 x 13.5 cm				
	☑Pack of at least 50 sheets				
115	<b>Filter Paper, 12.5 cm. Ashless #42 or equivalent</b>	boxes	14	2,000.00	28,000.00
	Pore size:2.5um				
	at least 100 pcs. per box				
116	<b>Grade 1 Qualitative Filter Paper, Diameter: 12.5cm, Pore Size: 11µm, at least 100 pcs./pack</b>	packs	2	1,500.00	3,000.00





	■Grade 1 Qualitative Filter Paper, Diameter: 12.5cm, Pore Size: 11µm				
117	<b>Ice Box Cooler, 110 Liters - delete</b>				
118	<b>Lab Gown Long Sleeves M</b>	pcs	2	500.00	1,000.00
	■Lab Coat High-quality White				
	■Long Sleeves				
	■Medium size				
119	<b>Laboratory Hot Plate Magnetic Stirrer</b>	pc	1	14,500.00	14,500.00
	• Max. heating temperature is 380°C				
	• High resolution LCD displays actual temperature and speed				
	• Brushless DC motor is maintenance free				
	• Aluminum cover with ceramic work plate, allows for immediate heat transfer				
	• External temperature control is possible with temperature sensor PT1000				
	• Digital temperature control with max. temperature at 380°C				
	• Digital speed control with max. speed up to 1500rpm				
	• Max. stirring quantity of H2O at 5L				
	Work plate Dimension: 140x140mm				
	Work plate material: Aluminum cover with ceramic coating				
	Motor type: Brushless DC motor				
	Motor rating input: 2.4W				
	Motor rating output: 1.8W				
	Power: 510W				
	Heating output: 500W				
	Voltage: 100-120/200-240V 50/60Hz				
	Stirring positions: 1				
	Max. stirring quantity[H2O]: 5L				
	Max. magnetic bar[length]: 50mm				
	Speed range: 200-1500rpm				
	Speed display: LCD				
	Temperature display: LCD				
	Heating temperature range: Room temp.+5°C - 380°C				
	Over heat Protection: 420°C				
	Temperature display accuracy: ±0.1°C				
	External temperature sensor: PT1000 (accuracy ±0.5°C)				
	Control accuracy of sensor: ±20rpm				
	Protection class: IP21				
	Dimension [W x D x H]: 320x180x108mm				
	Weight: 2.2kg				
	Permissible ambient temperature and humidity: 5-40°C 80%RH				
120	<b>Laboratory Weighing Boats</b>	boxes	2	1,000.00	2,000.00
	Plastic, 100 mL;				



	at least 100 pcs. per box				
121	<b>Resealable Plastic Bag, Large</b>	packs	5	500.00	2,500.00
	<i>resealable pastic bag, zip lock, 340 mm x 450 mm (13" x 18"), 100 pcs per pack</i>				
122	<b>Resealable Plastic Bag, Medium</b>	packs	7	150.00	1,050.00
	<i>resealable plastic bag, zip lock, 140 mm x 200 mm (5 1/2" x 7 1/2"), 100 pcs per pack;</i>				
123	<b>Reversible Protein Stain Kit for PVDF Membranes</b>	btls	2	19,510.00	39,020.00
	<i>Molecular biology grade Colorimetric in-blot detection method Contains sensitizer, reversible stain, destaining agent, and stain eraser Sufficient for at least 10 PVDF membranes from mini gels Kit for at least 10 PVDF membranes, Bottle of 1.75L ;</i>				
124	<b>Stainless Steel Trays, for Laboratory Use</b>	pcs	110	720.00	79,200.00
	<i>(L 36 cm x W 27 cm); (Depth 6.5 cm);</i>				
125	<b>Sterile Water for Injection, 100ml per bottle</b>	btls	170	120.00	20,400.00
	<i>Other Specification:: Parental Sterile Non-Pyrogenic Diluent;</i>				
126	<b>Gloves, Nitrile, Large</b>	boxes	10	500.00	5,000.00
	☐Glove Type: Chemical Resistant Disposable Gloves				
	☐Glove Material: Nitrile				
	☐Powder-Free				
	☐1 box of 100 or 50 pairs				
	☐Food Safe				
	☐Size: large				
127	<b>Laboratory Glass Dyeing Cylinder Rack with Cover (Circular))</b>	pcs	2	600.00	1,200.00
	☐with cover				
	☐5 circular				
128	<b>Sterile Syringe Filters Nylon 25 mm Diameter 0.45 um Pore Size Individually Packaged 10/pk</b>	packs	3	2,000.00	6,000.00
129	<b>Styrofoam Box Z1</b>	boxes	15	180.00	2,700.00
	☐8..5 x 8.5 x 6.75 inches				
130	<b>Herbarium Mounting Paper</b>	packs	3	1,650.00	4,950.00
	<i>Desired product: Carolina Biological Supply Herbarium Mounting Paper</i>				
	<i>Specifications:</i>				
	<i>Acid-free: Yes</i>				
	<i>Size (LxW) : 11-1/2 x 16-1/2".</i>				
	<i>Thickness: 188 mm</i>				
131	<b>Microcentrifuge</b>	packs	2	900.00	1,800.00
	<i>Desired product: Eppendorf Tube® 5.0 mL (EP-00301)</i>				
	<i>Specifications:</i>				
	<i>Cap Type: Snap Cap</i>				
	<i>Capacity: 5.0 milliliters</i>				
	<i>Length: 54 millimeters</i>				
	<i>Material: Polypropylene (PP)</i>				



	Autoclavable: Yes				
	Temp range: +121 °C to -196 °C.				
	Color: clear				
132	<b>Temperature-Humidity Data Logger</b>	pcs	5	2,000.00	10,000.00
	☐ Portable and hand-held				
	☐ 16000 data recording capacity.				
	☐ Adjustable record interval: 10s~24hour				
	☐ Multi-function LCD				
	☐ Internal NTC temperature thermal sensor with optional external sensor				
	☐ Data export in PDF/EXCEL via data management software				
	☐ Selectable °F/°C temperature unit				
	☐ Size: approx. 84 (L) x 44(W) x 20 (H) mm				
	☐ Good quality				
	☐ Durable				
133	<b>Portable Oxygen Monitor</b>	unit	1	35,000.00	35,000.00
	☐ Personal single gas monitor designed for protection in workspaces where liquid nitrogen is used.				
	☐ Portable/pocket size				
	☐ Lightweight				
	☐ IP-67 waterproof rating				
	☐ Audible/visual/vibration alarms				
	☐ Automatic backlight				
	<b>Rebidding (GOODS-22-08)</b>				
134	<b>L-Glutamine, ≥99% (HPLC), 100g</b>	btl	1	6,000.00	6,000.00
	☐ ≥99% (HPLC grade)				
	☐ 100g per bottle				
135	<b>6-Benzylaminopurine, 5g/btl</b>	btl	1	1,500.00	1,500.00
	☐ suitable for plant cell culture				
136	<b>D-Pantothenic acid hemicalcium salt, 5g</b>	btl	1	1,500.00	1,500.00
137	<b>95% Ethyl Alcohol, Technical Grade (Gallon)</b>	gallons	2	800.00	1,600.00
138	<b>Agar Agar</b>	Kilo	1	2,800.00	2,800.00
139	<b>Stirring Rod</b>	pcs	3	100.00	300.00
	☐ big size, 10 inches long				
	☐ fire polished ends with no policeman				
140	<b>Barfoed's Reagent Solution 1000mL</b>	btls	6	400.00	2,400.00
	☐ Technical Reagent Grade				
	☐ 1000mL per bottle				
141	<b>Glycerine</b>	liters	4	300.00	1,200.00
	☐ Glycerine Technical Grade				
	☐ 1L/bot.				
142	<b>Canada Balsam, for microscopy, 100ml</b>	btl	1	1,800.00	1,800.00
143	<b>Coplin Jar with cover</b>	pcs	6	750.00	4,500.00
	Specification:				
	Internal Width (in) 1 11/64				
	Internal Height (in) 2 61/64				



	Internal Depth (in)1 11/64				
	Internal Width (cm)3				
	Internal Height (cm)7.5				
	Internal Depth (cm)3				
144	<b>Safranin O Solution</b>	btl	1	1,800.00	1,800.00
	■ 250ml				
145	<b>Ethyl Alcohol (95%)</b>	canister s	2	7,500.00	15,000.00
	Container size: Plastic waterjug (20L)				
146	<b>Proteinase K</b>	pack	1	9,400.00	9,400.00
	Molecular biology grade, DNase-Free, RNase-Free				
	For general digestion of proteins				
	Lyophilized form				
	Pack of at least 100mg with appropriate buffer				
147	<b>Sodium dodecyl sulfate (SDS)</b>	btl	1	27,000.00	27,000.00
	■Molecular biology grade, at least ≥99.0% assay quality				
	■Suitable for protein analysis and electrophoresis				
	■Dnase-free and Rnase-free				
	■Phosphatase-free and proteases-free				
	■Bottle of at least 500g				
148	<b>Ammonium Nitrate</b>	kls	2	5,500.00	11,000.00
	■AR grade; at least 98% purity				
	■Molecular Wt. 80.043 grams per mol.				
	■1kg/pack				
149	<b>Mannitol (AR) 500g</b>	packs	1	3,000.00	3,000.00
	Formula: C <sub>6</sub> H <sub>14</sub> O <sub>6</sub>				
	Molecular Wt. 182.172g/mol.				
150	<b>Sorbitol (AR) 500g</b>	packs	2	2,000.00	4,000.00
	Chemical Formula: C <sub>6</sub> H <sub>14</sub> O <sub>6</sub>				
	Molecular Wt. 182.172 g/mol.				
151	<b>Agar Powder</b>	btls	2	1,400.00	2,800.00
	for plant tissue culture, 1kg				
152	<b>Ethylmethanesulfonate, EMS</b>	gm	1	500.00	500.00
	- a mutagenic chemical				
	Molecular Weight: 124.16 g/mol				
	Molecular Formula: C <sub>3</sub> H <sub>8</sub> O <sub>3</sub> S				
153	<b>Potassium phosphate monobasic, KH<sub>2</sub>PO<sub>4</sub></b>	btls	2	1,450.00	2,900.00
	Analytical grade				
	Use for enzyme buffers and chemical assays				
	Bottle of 500g				
154	<b>Casein Hydrolysate</b>	bot	1	5,000.00	5,000.00
	Product Description:				
	Casein Hydrolysate is used as a general purpose culture medium.				
	Appearance: Yellow colored homogeneous free flowing powder				
	Gelling: Firm, comparable with 1.5% Agar gel				



	Colour and Clarity of prepared medium: Light to medium amber coloured, clear to slightly opalescent gel forms in Petri plates.				
	Reaction : Reaction of 3.55% w/v aqueous solution at 25°C. pH : 7.8±0.2 pH 7.60-8.00				
	Packaging: 500grams/bottle				
155	<b>Gloves, Nitrile, Medium</b>	boxes	2	500.00	1,000.00
	☐Glove Type: Chemical Resistant Disposable Gloves				
	☐Glove Material: Nitrile				
	☐Powder-Free				
	☐1 box of 100 or 50 pairs				
	☐Food Safe				
	☐Size: Medium				
156	<b>Ethyl Alcohol (95%) (Tech)</b>	liters	7	500.00	3,500.00
157	<b>Filter Paper, 12.5 cm. Ashless #42 or equivalent</b>	boxes	3	1,800.00	5,400.00
	Pore size: 2.5um at least 100 pcs. per box				
158	<b>Ammonium Acetate, AR, 500g</b>	pack	4	1,800.00	7,200.00
159	<b>Copper Sulphate, 500 grams/pack</b>	packs	2	500.00	1,000.00
160	<b>Polyethylene bags</b>	pcs	150	4.00	600.00
	4 x 4 x 8"				
161	<b>Sodium Hydroxide, Technical grade, 5kg/pack</b>	pack	1	980.00	980.00
162	<b>Potassium Dihydrogen phosphate (100g)</b>	bot	1	500.00	500.00
163	<b>Separatory Funnel with Ring Stand</b>	sets	6	11,500.00	69,000.00
	Borosilicate glass				
	With stopper and cap material				
	With lab compatible lap support stand				
	With compatible ring clamp				
	Size: 1L				
164	<b>Amber Reagent Bottle, 100mL</b>	pcs	12	400.00	4,800.00
	With Stopper/Screw Cap				
	Material: Glass/Borosilicate Glass				
	Capacity: 100mL				
165	<b>Amber Reagent Bottle</b>	pcs	12	350.00	4,200.00
	With Stopper/Screw Cap				
	Material: Glass/Borosilicate Glass				
	Capacity: 50mL				
166	<b>Heating Mantle</b>	pcs	2	12,000.00	24,000.00
	☐220V 500mL/1L/2L Heating Mantle & Magnetic Stirrer Stirring Temperature Regulation Digital Display Lab Electric Sleeve - 2L				
167	<b>Anti-static Cleaning Brush</b>	pcs	6	650.00	3,900.00
	Ideal for balance and lens cleaning				
	For cleaning sensitive surfaces and at the same time removing any existing static charge				
	Material: Mixture of natural fibers and conductive synthetic fibers				
168	<b>Swivel head bottle/flask brush</b>	pcs	6	750.00	4,500.00



	Ideal for a round-bottom flask or rotary flask				
	Head of brush swivels, reaching intricate curves and corners				
	Natural bristles set in wood will not scrape the cleaned surface				
	Head fits into any container with a neck diameter of at least 24 mm (1 in.) or more.				
	Reach into deep vessels with utmost 33 cm (13 in.) hardwood handle				
169	<b>Centrifuge Tube Brush</b>	packs	3	1,750.00	5,250.00
	For centrifuge tubes				
	Brush materials resistant to acids, aromatic and aliphatic hydrocarbons, ketones, ethyl acetate esters, trichloroethylene, and hot water				
	Length: at least 12 inches				
	Brush size diam. x L: utmost 1 1/2 in. x 4 1/2 in.				
	Pack of 4 brushes				
170	<b>Pipette Brush</b>	packs	3	1,750.00	5,250.00
	For pipette tips				
	Brush materials resistant to acids, aromatic and aliphatic hydrocarbons, ketones, ethyl acetate esters, trichloroethylene, and hot water.				
	Length: at least 17 inches				
	Brush size diam. x L: utmost 3/16 - 3/4 in. x 7 1/2 in.				
	Pack of 4 brushes				
171	<b>Narrow Tube Brush</b>	packs	3	1,500.00	4,500.00
	For narrow tubes				
	Brush materials resistant to acids, aromatic and aliphatic hydrocarbons, ketones, ethyl acetate esters, trichloroethylene, and hot water.				
	Length: at least 12 inches				
	Brush size diam. x L: utmost 1/2 in. x 3 in.				
	Pack of 4 brushes				
172	<b>Micro Tube Brush</b>	packs	6	1,500.00	9,000.00
	For microcentrifuge tubes				
	Brush materials resistant to acids, aromatic and aliphatic hydrocarbons, ketones, ethyl acetate esters, trichloroethylene, and hot water.				
	Length: at least 7 inches				
	Brush size diam. x L: utmost 3/16 - 1/2 in. x 3 in.				
	Pack of 4 brushes				
173	<b>Flask Brush</b>	pcs	3	850.00	2,550.00
	For flasks				
	Material: natural bristles				
	Stiff of at least 41/2 x 13/4in.				
	Brush mounted on a preformed, plastic handle that adapts itself to the curvature of the flask.				
	Overall Length: at least 16 in.				
	Fits through at least 24/40 joints.				
174	<b>Cylinder Brush</b>	packs	3	3,500.00	10,500.00





	For cylinders				
	Brush materials resistant to acids, aromatic and aliphatic hydrocarbons, ketones, ethyl acetate esters, trichloroethylene, and hot water.				
	Length: at least 20 inches				
	Brush size diam. x L: utmost 2 3/8 in. x 6 in.				
	Pack of 4 brushes				
175	<b>Test Tube Brush</b>	packs	3	2,000.00	6,000.00
	For test tubes				
	Brush materials resistant to acids, aromatic and aliphatic hydrocarbons, ketones, ethyl acetate esters, trichloroethylene, and hot water.				
	Length: at least 10 inches				
	Brush size diam. x L: utmost 1 3/8 in. x 4 in.				
	Pack of 4 brushes				
176	<b>Pipette Filler</b>	units	4	11,500.00	46,000.00
	Compatible with most plastic and glass pipettes from 0.1 to 100mL				
	Eight speeds of selection for aspiration and dispensing				
	LCD display shows low battery warning and speed setting				
	Powerful rechargeable Li-ion battery enables 8h runtime				
	Enables single-handed operation with minimum effort				
	0.45µm replaceable hydrophobic filter				
177	<b>PCR Tube Rack with Cover</b>	pcs	12	650.00	7,800.00
	For PCR tubes storage				
	Material: PP Autoclavable. Convenient Polypropylene				
	Rack for 0.2 ml PCR tubes strips and plates.				
	This rack is stackable with or without lid.				
	Capacity: 96				
178	<b>Centrifuge Rack, Multifunction</b>	units	12	750.00	9,000.00
	For storage and general-purpose				
	Fit for 10mL, 15mL, 50mL centrifuge tubes				
	The centrifuge tube rack can be disassembled and easily assembled.				
	The centrifuge tube rack after assembly has two layers				
	Holds 30 pcs of 15 mL tubes and 20 pcs of 50mL tubes				
179	<b>Glass Centrifuge Tubes, 10mL</b>	pcs	24	550.00	13,200.00
	Glass centrifuge tube with screw cap, heavy wall				
	Form: Round bottom				
	Material: Borosilicate glass				
	Capacity: 10mL with graduation				
180	<b>Glass Centrifuge Tubes, 50mL</b>	pcs	24	950.00	22,800.00
	Glass centrifuge tube with screw cap, heavy wall				
	Form: Round bottom				
	Material: Borosilicate glass				
	Capacity: 50mL with graduation				



181	<b>Laboratory Safety Goggles</b>	units	6	1,500.00	9,000.00
	Chemical and heat resistant				
	Anti-fog clear polycarbonate lens				
	Soft, flexible PVC body molds to facial contours for a comfortable fit				
	Resist a broad range of chemicals				
	Circular vents allow air to flow freely through the goggle body				
	Meet ANSI™ Z87.1-2010 or equivalent				
182	<b>Mini-spin Centrifuge</b>	units	3	15,000.00	45,000.00
	Control mode: Power direct drive				
	Max. relative centrifuge force: at least 3000 xg				
	Max. rotational speed: at least 7000rpm				
	Rotor capacity and accessories: inclusions				
	Angled rotor 0.2/0.5/1.5/2 ml*12				
	PCR rotor 0.2ml*12*4				
	<a href="#">Rotor for PCR plates-delete</a>				
	Max speed acceleration/reduction: ≤12s /≤15s				
183	<b>Laboratory Stool/Chair, Wheeled</b>	pcs	20	4,500.00	90,000.00
	Anti-static stool				
	Adjustable height: at least 40-60 cm				
	Weight capacity: at least 300lbs				
	Ergonomic with hip to mid-waist level back support				
	With round footrest/ foot ring				
	Anti-slip seat material: Rugged polyurethane				
	No. of wheels: 5				
	Standard style w/polished aluminum base: 20"-30"				
	Seat shape: Round				
	Color: Black				
184	<b>Laboratory Stool/Chair, Goblet Foot</b>	pcs	20	4,500.00	90,000.00
	Anti-static stool				
	Adjustable height: at least 40-60 cm				
	Weight capacity: at least 300lbs				
	Ergonomic with hip to mid-waist level back support				
	With round footrest/ foot ring				
	Anti-slip seat material: Rugged polyurethane				
	No. of goblet foot 5				
	Standard style w/polished aluminum base: 20"-30"				
	Seat shape: Round				
	Color: Black				
185	<b>Wall-mounted Cupboard/Cabinet</b>	units	12	12,000.00	144,000.00
	Purpose: Laboratory storage cabinet				
	Material: High quality galvanized steel sheet				
	Surface: Electrosprayed with epoxy-resin				
	Door panel: High quality galvanized steel with Glass Door				
	Dimension: at least 1240 x 380 x 570 mm				
	Doors: 3-door cabinet				



	Layer per door: one removable shelf				
	Color: must be WHITE				
	On-site installation included				
186	<b>Mobile Pedestal Cabinet, Four-drawers</b>	units	12	10,500.00	126,000.00
	Purpose: Laboratory storage cabinet				
	Material: High quality galvanized steel sheet				
	Surface: Electrospayed with epoxy-resin				
	Dimension: "must" 700 x 530 x 560 mm - the same with existing cabinet				
	Division: Four-drawers				
	Footing: Lock/unlock caster wheels				
	Color: must be WHITE				
	On-site installation included				
187	<b>Mobile Pedestal Cabinet, Single-door cabinet with single drawer</b>	units	12	10,500.00	126,000.00
	Purpose: Laboratory storage cabinet				
	Material: High quality galvanized steel sheet				
	Surface: Electrospayed with epoxy-resin				
	Dimension: "must" 700 x 530 x 560 mm - the same with the existing cabinet				
	Division: Single-door cabinet with single drawer				
	Footing: Lock/unlock caster wheels				
	Color: must be WHITE				
	On-site installation included				
188	<b>Microcentrifuge Rack with Cover, Reversible (2 mL/ 1.5 mL)</b>	units	12	850.00	10,200.00
	Polypropylene (PP)				
	Autoclavable				
	Excellent rack for benchtop use or freezer storage.				
	Excellent chemical & temperature resistance				
	80/60 well rack capacities:				
	80-Place for 1.5 & 2.0mL tubes				
	60-Place for 0.5 & 0.2mL tubes				
	With lid or cover				
189	<b>Floating Microtube Racks</b>	packs	6	2,500.00	15,000.00
	Polypropylene racks keep microtubes submerged in a water bath.				
	Polypropylene construction				
	Detachable				
	Ideal for controlling sample temperature				
	Round Racks of 1.5 and 2.0 ml				
	Capacity: 20 tubes				
	Pack of 4 floating racks				
190	<b>Mortar and Pestle, Heavy Duty</b>	units	12	850.00	10,200.00
	Mortars with spout				
	Material: Porcelain for both mortar and pestle				
	Inside grinding surface unglazed				



	Capacity: 145 mL, 90 x 70 mm				
	Heat and cold resistant				
191	<b>Amber Injection Glass Vials with cover, 2mL</b>	packs	6	3,500.00	21,000.00
	Screw top vial, 2 mL				
	Amber, write-on spot with cover				
	Autoclavable				
	Compatible with Agilent HPLC Sampler				
	Pack of 100 vials				
192	<b>Amber Injection Glass Vials with cover, 4mL</b>	packs	6	6,500.00	39,000.00
	Screw top vial, 4 mL				
	Amber, write-on spot with cover				
	Autoclavable				
	Compatible with Agilent HPLC Sampler				
	Pack of 100 vials				
193	<b>Vortex Mixer, 220V, at least 2500 RPM</b>	pcs	4	14,000.00	56,000.00
194	<b>Liquid Nitrogen Storage/Transfer Vessel</b>	units	3	15,000.00	45,000.00
	N2 Transfer Vessel				
	Capacity: 10L				
	Lightweight aluminum dewars assure low-static evaporation rates				
195	<b>Alcohol, Denatured</b>	gal	1	500.00	500.00
196	<b>Mortar and Pestle (small)</b>	pc	1	300.00	300.00
197	<b>Lab Gown Long Sleeves L</b>	pcs	1	500.00	500.00
	■ Lab Coat High-quality White				
	■ Size- Large; long sleeves				
198	<b>Laboratory Weighing Boats</b>	pack	1	1,000.00	1,000.00
	Plastic, 100 mL				
	at least 100 pcs. pack				
199	<b>Lab Gown Long Sleeves M</b>	pc	1	500.00	500.00
	■ Lab Coat High-quality White				
	■ Long sleeves				
	■ Medium Size				
200	<b>Weighing Paper Sheet, Non-Absorbing</b>	packs	3	201.00	603.00
	High-Gloss Pack of 500				
201	<b>Reagent Bottles</b>	pcs	3	500.00	1,500.00
	■ Amber Glass Wide Mouth Bottle Chemical Reagent Storage Bottles				
	■ 250 ML capacity				
	■ Features:				
	—Glass body for chemical, thermal expansion, shock, and heat resistance.				
	—Amber glass bottles are perfect for storing materials which are sensitive to degradation from light.				
	—Wide mouth, cylindrical shape body for a wide variety of applications that require solution containment.				
	—Ground glass stopper seals the bottle to secure contents and help prevent spills and evaporation.				



	—Useful for storing both liquids and powders, widely used in chemistry and biology application				
202	<b>Graduated Cylinder, Plastic, 1000mL</b>	pcs	3	400.00	1,200.00
	Plastic, 1000ml (1L) capacity for Particle Size Analysis				
203	<b>Solar Charge Controller</b>	pcs	7	500.00	3,500.00
	Voltage: DC 12V/24V				
	Rated charge current: 30A				
	Max. PV Voltage: 50V				
	Max. PV Input power: 12V: 130W-650W, 24V: 260W-1200W				
	Charge Current: 10A-50A				
	Discharge current: 10A-50A				
	Max solar input: <50A				
	Self-consume: <10mA				
204	<b>Brush for cleaning 250mL Erlenmeyer Flask</b>	pcs	2	250.00	500.00
	☐Bristle Color: White Bristle				
	☐Brush+Handle Length: 12"				
	☐Brush Diameter: 1 3/8"				
	☐Brush Length: 3 1/2"				
	☐Suitable for cleaning 250mL Erlenmeyer Flask				
205	<b>Reagent Bottle</b>	pcs	2	300.00	600.00
	☐With Stopper/Screw Cap				
	☐Material: Glass/Borosilicate Glass				
	☐Color: Clear/Transparent Flask				
	☐Capacity: 2000mL				
	☐Graduation: 1800mL				
206	<b>Labware Detergent or Laboratory Dishwashing Liquid</b>	btls	6	2,500.00	15,000.00
	☐Suitable for manual, ultrasonic, and machine washing				
	☐Completely biodegradable				
	☐Free of phosphate, chlorine, enzyme, and EDTA				
	☐Contains anionic and cationic surfactants				
	☐5 liters per bottle (atleast 2.5L/bot)				
	<b>Rebidding(GOODS-22-01)</b>				
207	<b>Laboratory Dishwasher</b>	unit	1	40,000.00	40,000.00
	Description: Laboratory Dishwasher for glassware				
	Specs:				
	Labware Type: Glassware				
	Door Style: Solid Door				
	Configuration: ADA Undercounter				
	Integral Heater: Yes				
	Electrical Specifications: 115 V, 16 A, 1 Ph, 60 Hz				
	Placement: Free standing				
	Water temperature: up to 93° C				
	size (60m stainless steel; placement (freestanding);				
	with built-in display (LED);				
	water consumption (10L);				



**VISAYAS**  
STATE UNIVERSITY

Bidding No.: GOODS-22-12  
Bidding Title: Supply and Delivery of Laboratory Equipment,  
Supplies and Chemicals  
Location of the Project: VSU Main, Visca, Baybay City Leyte

	service capacity (more than 12);				
	energetic calification (A);				
	installation type (integrated)				
	Inclusions: Installation				
				<b>TOTAL:</b>	<b>3,080,139.00</b>

Sgd.  
**DILBERTO O. FERRAREN**  
BAC Chairman