



**VISAYAS**  
STATE UNIVERSITY

# **PHILIPPINE BIDDING DOCUMENTS**

(As Harmonized with Development Partners)

## **Supply and Delivery of Laboratory Supplies and Chemicals (GOODS-22-08)** *(early procurement)*

**Government of the Republic of the Philippines**

**December 2, 2021; 9:00 AM**  
**Cooperative Building, VSU Market, Visca, Baybay City, Leyte**

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# ***Glossary of Acronyms, Terms, and Abbreviations***

**ABC** – Approved Budget for the Contract.

**BAC** – Bids and Awards Committee.

**Bid** – A signed offer or proposal to undertake a contract submitted by a bidder in response to and in consonance with the requirements of the bidding documents. Also referred to as *Proposal* and *Tender*. (2016 revised IRR, Section 5[c])

**Bidder** – Refers to a contractor, manufacturer, supplier, distributor and/or consultant who submits a bid in response to the requirements of the Bidding Documents. (2016 revised IRR, Section 5[d])

**Bidding Documents** – The documents issued by the Procuring Entity as the bases for bids, furnishing all information necessary for a prospective bidder to prepare a bid for the Goods, Infrastructure Projects, and/or Consulting Services required by the Procuring Entity. (2016 revised IRR, Section 5[e])

**BIR** – Bureau of Internal Revenue.

**BSP** – Bangko Sentral ng Pilipinas.

**Consulting Services** – Refer to services for Infrastructure Projects and other types of projects or activities of the GOP requiring adequate external technical and professional expertise that are beyond the capability and/or capacity of the GOP to undertake such as, but not limited to: (i) advisory and review services; (ii) pre-investment or feasibility studies; (iii) design; (iv) construction supervision; (v) management and related services; and (vi) other technical services or special studies. (2016 revised IRR, Section 5[i])

**CDA** - Cooperative Development Authority.

**Contract** – Refers to the agreement entered into between the Procuring Entity and the Supplier or Manufacturer or Distributor or Service Provider for procurement of Goods and Services; Contractor for Procurement of Infrastructure Projects; or Consultant or Consulting Firm for Procurement of Consulting Services; as the case may be, as recorded in the Contract Form signed by the parties, including all attachments and appendices thereto and all documents incorporated by reference therein.

**CIF** – Cost Insurance and Freight.

**CIP** – Carriage and Insurance Paid.

**CPI** – Consumer Price Index.

**DDP** – Refers to the quoted price of the Goods, which means “delivered duty paid.”

**DTI** – Department of Trade and Industry.

**EXW** – Ex works.

**FCA** – “Free Carrier” shipping point.

**FOB** – “Free on Board” shipping point.

**Foreign-funded Procurement or Foreign-Assisted Project**– Refers to procurement whose funding source is from a foreign government, foreign or international financing institution as specified in the Treaty or International or Executive Agreement. (2016 revised IRR, Section 5[b]).

**Framework Agreement** – Refers to a written agreement between a procuring entity and a supplier or service provider that identifies the terms and conditions, under which specific purchases, otherwise known as “Call-Offs,” are made for the duration of the agreement. It is in the nature of an option contract between the procuring entity and the bidder(s) granting the procuring entity the option to either place an order for any of the goods or services identified in the Framework Agreement List or not buy at all, within a minimum period of one (1) year to a maximum period of three (3) years. (GPPB Resolution No. 27-2019)

**GFI** – Government Financial Institution.

**GOCC** – Government-owned and/or –controlled corporation.

**Goods** – Refer to all items, supplies, materials and general support services, except Consulting Services and Infrastructure Projects, which may be needed in the transaction of public businesses or in the pursuit of any government undertaking, project or activity, whether in the nature of equipment, furniture, stationery, materials for construction, or personal property of any kind, including non-personal or contractual services such as the repair and maintenance of equipment and furniture, as well as trucking, hauling, janitorial, security, and related or analogous services, as well as procurement of materials and supplies provided by the Procuring Entity for such services. The term “related” or “analogous services” shall include, but is not limited to, lease or purchase of office space, media advertisements, health maintenance services, and other services essential to the operation of the Procuring Entity. (2016 revised IRR, Section 5[r])

**GOP** – Government of the Philippines.

**GPPB** – Government Procurement Policy Board.

**INCOTERMS** – International Commercial Terms.

**Infrastructure Projects** – Include the construction, improvement, rehabilitation, demolition, repair, restoration or maintenance of roads and bridges, railways, airports, seaports, communication facilities, civil works components of information technology projects, irrigation, flood control and drainage, water supply, sanitation, sewerage and solid waste management systems, shore protection, energy/power and electrification facilities, national buildings, school buildings, hospital buildings, and other related construction projects of the government. Also referred to as *civil works or works*. (2016 revised IRR, Section 5[u])

**LGUs** – Local Government Units.

**NFCC** – Net Financial Contracting Capacity.

**NGA** – National Government Agency.

**PhilGEPS** - Philippine Government Electronic Procurement System.

**Procurement Project** – refers to a specific or identified procurement covering goods, infrastructure project or consulting services. A Procurement Project shall be described, detailed, and scheduled in the Project Procurement Management Plan prepared by the agency which shall be consolidated in the procuring entity's Annual Procurement Plan. (GPPB Circular No. 06-2019 dated 17 July 2019)

**PSA** – Philippine Statistics Authority.

**SEC** – Securities and Exchange Commission.

**SLCC** – Single Largest Completed Contract.

**Supplier** – refers to a citizen, or any corporate body or commercial company duly organized and registered under the laws where it is established, habitually established in business and engaged in the manufacture or sale of the merchandise or performance of the general services covered by his bid. (Item 3.8 of GPPB Resolution No. 13-2019, dated 23 May 2019). Supplier as used in these Bidding Documents may likewise refer to a distributor, manufacturer, contractor, or consultant.

**UN** – United Nations.

## ***Section I. Invitation to Bid***



## INVITATION TO BID FOR SUPPLY AND DELIVERY OF LABORATORY SUPPLIES AND CHEMICALS

- The *Visayas State University* through the *GF 2022* intends to apply the sum of *One Million Six Hundred Twenty-Six Thousand Five Hundred Forty-Three Pesos (PhP 1,626,543.00)* being the ABC to payments under the contract for *Supply and Delivery of Laboratory Supplies and Chemicals (GOODS-22-08)*. Bids received in excess of the ABC shall be automatically rejected at bid opening.

The *Visayas State University*, through the *GF 2022* intends to apply the following ABC per item to payments under the contract for each item, to wit:

Item No.	Description	Qty	Unit	ABC/Unit	Total ABC
1	<b>L-Glutamine, ≥99% (HPLC), 100g</b>	1	btl	6,000.00	6,000.00
	■ ≥99% (HPLC grade)				
	■ 100g per bottle				
2	<b>6-Benzylaminopurine, 5g/btl</b>	1	btl	1,500.00	1,500.00
	■ suitable for plant cell culture				
3	<b>D-Pantothenic acid hemicalcium salt, 5g</b>	1	btl	1,500.00	1,500.00
4	<b>95% Ethyl Alcohol, Technical Grade (Gallon)</b>	2	gallon	800.00	1,600.00
5	<b>Agar Agar</b>	1	kilos	2,800.00	2,800.00
6	<b>Myo-inositol</b>	2	btls	1,600.00	3,200.00
	■ AR, 100g				
7	<b>Stirring Rod</b>	3	pieces	100.00	300.00
	■ big size, 10 inches long				
	■ fire polished ends with no policeman				
8	<b>Reagent Bottle 500mL</b>	9	pcs	500.00	4,500.00
	■ Amber colored bottle with HDPE orange screw cap				
	■ 500mL				
9	<b>Barfoed's Reagent Solution 1000mL</b>	6	btls	400.00	2,400.00
	■ Technical Reagent Grade				
	■ 1000mL per bottle				
10	<b>Glycerine</b>	4	liter	300.00	1,200.00
	■ Glycerine Technical Grade				
	■ 1L/bot.				
11	<b>Canada Balsam, for microscopy, 100ml</b>	1	btl	1,800.00	1,800.00
12	<b>Acetone</b>	1	gal	1,600.00	1,600.00
	■ Technical Grade				
	■ 1gal				
13	<b>Coplin Jar with cover</b>	6	pcs	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				
14	<b>Safranin O Solution</b>	1	btl	1,800.00	1,800.00
	■ 250ml				
15	<b>Ethyl Alcohol (95%)</b>	3	canister	3,000.00	9,000.00
	Container size: Plastic waterjug (20L)				
16	<b>Absorbent Cotton Roll 400g</b>	9	gms	450.00	4,050.00
	Quality cotton products that guarantee superior absorbency and made from 100% pure and natural fibers absorbs more liquid and faster than synthetic fibers				
17	<b>Proteinase K</b>	1	pack	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				
18	<b>200- 1000 ul Mechanical Autoclavable Pipette Single Channel Pipettor, Fully Autoclavable</b>	1	pc	7,000.00	7,000.00
	7030301016, 200- 1000 ul Mechanical Autoclavable Pipette Single Channel Pipettor, Fully Autoclavable				
19	<b>1000- 5000 ul Mechanical Autoclavable Pipette Single Channel Pipettor, Fully Autoclavabl</b>	1	pc	7,000.00	7,000.00
	7030301017, 1000- 5000 ul Mechanical Autoclavable Pipette Single Channel Pipettor, Fully Autoclavable				
20	<b>1000- 5000 ul Mechanical Autoclavable Pipette Single Channel Pipettor, Fully Autoclavabl</b>	1	pc	7,000.00	7,000.00
	7030301017, 1000- 5000 ul Mechanical Autoclavable Pipette Single Channel Pipettor, Fully Autoclavable				
21	<b>Sodium dodecyl sulfate (SDS)</b>	1	btl	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				
22	<b>Ammonium Nitrate</b>	2	kl	5,500.00	11,000.00
	■AR grade; at least 98% purity				
	■Molecular Wt. 80.043 grams per mol.				
	■1kg/pack				
23	<b>Potassium Nitrate</b>	3	kl	5,800.00	17,400.00



	☐AR grade				
	☐Formula: KNO <sub>3</sub>				
	☐Molar wt: 101.1032 g/mo				
	☐1kg/pack				
24	<b>Mannitol (AR)</b>	2	pack	1,500.00	3,000.00
	Formula: C <sub>6</sub> H <sub>14</sub> O <sub>6</sub>				
	Molecular Wt. 182.172g/mol.				
25	<b>Sorbitol (AR)</b>	2	pack	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.				
26	<b>Calcium Chloride Dihydrate</b>	2	btl	2,000.00	4,000.00
	☐Branding the chemical to be purchase is following the protocol set for the project's protocol and standards				
	☐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				
	☐500g				
27	<b>Agar Powder</b>	2	btl	1,400.00	2,800.00
	for plant tissue culture, 1kg				
28	<b>Ethymethanesulfonate, EMS</b>	1	gms	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				
29	<b>Potassium phosphate monobasic, KH<sub>2</sub>PO<sub>4</sub></b>	2	btl	1,450.00	2,900.00
	Analytical grade				
	Use for enzyme buffers and chemical assays				
	Bottle of 500g				
30	<b>Casein Hydrolysate</b>	1	gms	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				
31	<b>Alcohol, Ethyl</b>	6	L	130.00	780.00
32	<b>Nutrient Agar</b>	2	btl	5,455.00	10,910.00
	☐500g				

33	<b>Potato Dextrose Agar (PDA), 500 grams</b>	3	btl	4,500.00	13,500.00
34	<b>Gloves, Nitrile, Medium</b>	2	box	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				
35	<b>Alcohol, Ethyl, 95% (Tech)</b>	7	liters	200.00	1,400.00
36	<b>Filter Paper, 12.5 cm. Ashless #42 or equivalent</b>	3	boxes	1,800.00	5,400.00
	Pore size: 2.5um at least 100 pcs. per box				
37	<b>Ammonium Acetate, AR</b>	4	kgs	1,800.00	7,200.00
38	<b>Copper Sulphate, 500 grams/pack</b>	2	pack	500.00	1,000.00
39	<b>Boric Acid, Analytical Reagent</b>	1	kgs	1,400.00	1,400.00
40	<b>Wash Bottle, 250mL cap.</b>	1	pc	200.00	200.00
	☐Material: Plastic (good quality)				
41	<b>Polyethylene bags</b>	150	pcs	4.00	600.00
	4 x 4 x 8"				
42	<b>Sodium Hydroxide, Technical grade, 1kg/pack</b>	1	btls	100.00	100.00
43	<b>Sodium Hydroxide, AR 500G</b>	5	btls	1,200.00	6,000.00
	☐500 g/bottle, AR, Pellets				
44	<b>Nutrient Agar, 500g</b>	1	btl	6,000.00	6,000.00
45	<b>Potassium dihydrogen phosphate, AR</b>	1	gms	500.00	500.00
46	<b>Potassium Chloride, AR, 1000g</b>	1	btl	2,500.00	2,500.00
47	<b>Separatory Funnel with Ring Stand</b>	6	pc	11,500.00	69,000.00
	Borosilicate glass				
	With stopper and cap				
	With lab compatible lap support stand				
	With compatible ring clamp				
	Size: 1L				
48	<b>Activated Carbon Filter for FH1200(X) Fume Hood</b>	2	pc	60,000.00	120,000.00
	Fume hood filter replacement				
	For Biobase FH1200(X) Fume Hood				
	For organic and corrosive vapors				
49	<b>Amber Reagent Bottle, 1L</b>	12	pc	1,000.00	12,000.00
	With Stopper/Screw Cap				
	Material: Glass/Borosilicate Glass				
	Capacity: 1L				
50	<b>Amber Reagent Bottle, 500mL</b>	12	pc	750.00	9,000.00
	With Stopper/Screw Cap				
	Material: Glass/Borosilicate Glass				
	Capacity: 500mL				
51	<b>Amber Reagent Bottle, 250mL</b>	12	pc	550.00	6,600.00
	With Stopper/Screw Cap				
	Material: Glass/Borosilicate Glass				

	Capacity: 250mL				
52	<b>Amber Reagent Bottle, 100mL</b>	12	pc	400.00	4,800.00
	With Stopper/Screw Cap				
	Material: Glass/Borosilicate Glass				
	Capacity: 100mL				
53	<b>Amber Reagent Bottle</b>	12	pc	350.00	4,200.00
	With Stopper/Screw Cap				
	Material: Glass/Borosilicate Glass				
	Capacity: 50mL				
54	<b>Heating Mantle</b>	2	pcs	12,000.00	24,000.00
	■220V 500mL/1L/2L Heating Mantle & Magnetic Stirrer Stirring Temperature Regulation Digital Display Lab Electric Sleeve - 2L				
55	<b>Graduated Cylinder, Glass, 250mL</b>	9	pc	600.00	5,400.00
	■ Material: Borosilicate Glass				
	■ Good Quality				
56	<b>Graduated Cylinder, Glass, 1000mL</b>	9	pc	1,500.00	13,500.00
	■ Material: Borosilicate Glass				
	■ Good Quality				
57	<b>Anti-static Cleaning Brush</b>	6	pc	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				
58	<b>Swivel head bottle/flask brush</b>	6	pc	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				
59	<b>Centrifuge Tube Brush</b>	3	pack	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				
60	<b>Pipette Brush</b>	3	pack	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				
61	<b>Narrow Tube Brush</b>	3	pack	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				
62	<b>Micro Tube Brush</b>	6	pack	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				
63	<b>Flask Brush</b>	3	pc	850.00	2,550.00
	For flasks				
	Material: natural bristles				
	Stiff of at least 4 1/2 x 13/4 in.				
	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.				
64	<b>Cylinder Brush</b>	3	pack	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				
65	<b>Test Tube Brush</b>	3	pack	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				
66	<b>Pipette Filler</b>	4	unit	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				
67	<b>PCR Tube Rack with Cover</b>	12	pc	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				
68	<b>Centrifuge Rack, Multifunction</b>	12	unit	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				
69	<b>Petri dish</b>	24	pc	200.00	4,800.00
	■comprise a lid and base				
	■high clarity glass				
	■borosilicate glass				
	■size:				
	◀Cover int. dia mm : 95				
	◀Base ext. dia mm: 94				
	◀Size: 100 x 20				
70	<b>Serological Glass Pipette, 25mL</b>	12	pc	850.00	10,200.00
	Autoclavable				
	Borosilicate glass				
	Graduation: 0.2mL Intervals				
	Capacity: 25mL				
71	<b>Serological Glass Pipette, 50mL</b>	12	pc	1,350.00	16,200.00
	Autoclavable				
	Borosilicate glass				
	Graduation: 1mL Intervals				
	Capacity: 50mL				
72	<b>Glass Centrifuge Tubes, 10mL</b>	24	pc	550.00	13,200.00
	Glass centrifuge tube with screw cap, heavy wall				
	Form: Round bottom				
	Material: Borosilicate glass				
	Capacity: 10mL with graduation				

73	<b>Glass Centrifuge Tubes, 50mL</b>	24	pc	950.00	22,800.00
	Glass centrifuge tube with screw cap, heavy wall				
	Form: Round bottom				
	Material: Borosilicate glass				
	Capacity: 50mL with graduation				
74	<b>0.5-10 ul Mechanical Autoclavable Pipette Single Channel Pipettor, Fully Autoclavable</b>	1	pc	7,000.00	7,000.00
	7030301004, 0.5-10 ul Mechanical Autoclavable Pipette Single Channel Pipettor, Fully Autoclavable				
75	<b>20-200ul Single Channel Pipettor, Fully Autoclavable</b>	1	pc	14,600.00	14,600.00
	NT-A200, 20-200ul Single Channel Pipettor, Fully Autoclavable				
76	<b>10-100ul Single Channel Pipettor, Fully Autoclavable</b>	1	pc	14,600.00	14,600.00
	NT-A100, 10-100ul Single Channel Pipettor, Fully Autoclavable				
77	<b>2-20ul Single channel pipettor</b>	1	pc	14,600.00	14,600.00
	NT-A20, 2-20ul Single Channel Pipettor, Fully Autoclavable				
78	<b>Laboratory Safety Goggles</b>	6	unit	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				
79	<b>Mini-spin Centrifuge</b>	3	unit	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				
	Rotor for PCR plates				
	Max speed acceleration/reduction: ≤12s /≤15s				
80	<b>Laboratory Stool/Chair, Wheeled</b>	20	pc	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				
81	<b>Laboratory Stool/Chair, Goblet Foot</b>	20	pc	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				
82	<b>Wall-mounted Cupboard/Cabinet</b>	12	unit	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				
	Handle: Aluminum dark type handle				
	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				
83	<b>Mobile Pedestal Cabinet, Four-drawers</b>	12	unit	10,500.00	126,000.00
	Purpose: Laboratory storage cabinet				
	Material: High quality galvanized steel sheet				
	Surface: Electrosprayed 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				
84	<b>Mobile Pedestal Cabinet, Single-door cabinet with single drawer</b>	12	unit	10,500.00	126,000.00
	Purpose: Laboratory storage cabinet				
	Material: High quality galvanized steel sheet				
	Surface: Electrosprayed 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				

85	<b>Microcentrifuge Rack with Cover, Reversible (2 mL/ 1.5 mL)</b>	12	unit	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				
86	<b>Floating Microtube Racks</b>	6	pack	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				
87	<b>Mortar and Pestle, Heavy Duty</b>	12	unit	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				
88	<b>Amber Injection Glass Vials with cover, 2mL</b>	6	pack	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				
89	<b>Amber Injection Glass Vials with cover, 4mL</b>	6	pack	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				
90	<b>Vortex Mixer, 220V QL-901, 2800RPM</b>	4	pc	14,000.00	56,000.00
91	<b>Liquid Nitrogen Storage/Transfer Vessel</b>	3	unit	15,000.00	45,000.00
	N2 Transfer Vessel				
	Capacity: 10L				
	Lightweight aluminum dewars assure low-static evaporation rates				
92	<b>Potassium Hydroxide</b>	3	btl	4,200.00	12,600.00
	■Flakes				
	■Analytical Grade				



	☐1kg				
93	<b>Potassium Hydrogen Phthalate (KHP)</b>	1	btl	12,000.00	12,000.00
	☐(CAS 877-24-7)				
	☐Powder				
	☐500g				
	☐Analytical Grade				
94	<b>Phenolphthalein Powder Indicator</b>	1	btl	12,000.00	12,000.00
	☐Analytical Grade				
	☐500 grams				
	☐CAS 77-09-8				
95	<b>Alcohol, Denatured</b>	1	gallons	500.00	500.00
96	<b>1000 ml Type 1, class A borosilicate glass Beaker</b>	3	pcs	1,000.00	3,000.00
97	<b>Mortar and Pestle (small)</b>	1	pc	300.00	300.00
98	<b>Lab Gown Long Sleeves L</b>	1	pcs	500.00	500.00
	☐Lab Coat High-quality White				
	☐Size- Large; long sleeves				
99	<b>Laboratory Weighing Boats</b>	1	pack	1,000.00	1,000.00
	Plastic, 100 mL				
	at least 100 pcs. pack				
100	<b>Ethanol</b>	1	gallon	1,200.00	1,200.00
	AR grade, 2.5L, at least 95% v/v				
101	<b>Sulfuric Acid</b>	1	btl	1,750.00	1,750.00
	☐Analytical Grade (98%)				
	☐2.5 Liters				
	☐specific gravity 1.84				
102	<b>Lab Gown Long Sleeves M</b>	1	pcs	500.00	500.00
	☐ Lab Coat High-quality White				
	☐ Long sleeves				
	☐ Medium Size				
103	<b>Graduated Cylinder, Glass, 100mL</b>	3	pcs	400.00	1,200.00
	100mL capacity				
	Type 1, Class A Borosilicate Glass				
104	<b>Erlenmeyer Flask, Glass, 500mL</b>	3	pcs	1,000.00	3,000.00
	☐ 500mL capacity, borosilicate glass				
105	<b>500 ml Type 1, class A borosilicate glass Beaker</b>	4	pcs	700.00	2,800.00
106	<b>250 ml Type 1, class A borosilicate glass Beaker</b>	6	pcs	600.00	3,600.00
107	<b>Weighing Paper Sheet, Non-Absorbing</b>	3	pack	201.00	603.00
	High-GlossPack of 500				
108	<b>Reagent Bottles</b>	3	pc	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				
109	<b>Graduated Cylinder, Plastic, 1000mL</b>	3	L	400.00	1,200.00
	Plastic, 1000ml (1L) capacity for Particle Size Analysis				
110	<b>Solar Charge Controller</b>	7	pc	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				
111	<b>Watch Glass</b>	1	pack	1,500.00	1,500.00
	■Material: Glass/Borosilicate Glass				
	■Autoclavable: Yes				
	■Outer diameter: 75 mm (7.5cm),				
	■fits 250 mL beakers,				
	■12pcs/pack,				
	■good quality				
112	<b>Beaker, Glass, 250mL</b>	6	pc	400.00	2,400.00
	■Low Form Beaker				
	■Borosilicate Glass				
	■Transparent Beaker				
	■Thickened With Spout				
113	<b>Erlenmeyer Flask, Glass, 250mL</b>	6	pc	400.00	2,400.00
	■Material: Borosilicate Glass				
	■Good Quality				
114	<b>Brush for cleaning 250mL Erlenmeyer Flask</b>	2	pc	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				
115	<b>Reagent Bottle</b>	2	pc	300.00	600.00
	■With Stopper/Screw Cap				
	■Material: Glass/Borosilicate Glass				
	■Color: Clear/Transparent Flask				

	☐Capacity: 2000mL				
	☐Graduation: 1800mL				
116	<b>Labware Detergent or Laboratory Dishwashing Liquid</b>	6	btl	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				
			<b>TOTAL:</b>		<b>1,626,543.00</b>

Bids received in excess of the ABC for each item shall be automatically rejected at bid opening.

2. The *Visayas State University* now invites bids for the above Procurement Project. Delivery of the Goods is required by *ninety (90) calendar days upon receipt of Notice to Proceed (NTP)*. Bidders should have completed, within *two (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).
3. Bidding will be conducted through open competitive bidding procedures using a non-discretionary “*pass/fail*” criterion as specified in the 2016 revised Implementing Rules and Regulations (IRR) of Republic Act (RA) No. 9184.  
  
Bidding is restricted to Filipino citizens/sole proprietorships, partnerships, or organizations with at least sixty percent (60%) interest or outstanding capital stock belonging to citizens of the Philippines, and to citizens or organizations of a country the laws or regulations of which grant similar rights or privileges to Filipino citizens, pursuant to RA No. 5183.
4. Prospective Bidders may obtain further information from *Visayas State University* and inspect the Bidding Documents at the address given below during *Mondays - Fridays (8:00 AM-5:00 PM)*.
5. A complete set of Bidding Documents may be acquired by interested Bidders on *11 November – 02 December 2021 until 8:30 AM* 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.
6. The *Visayas State University* will hold a Pre-Bid Conference on *November 18, 2021; 9:00 AM* at the *Cooperative Building, VSU Market, Visca, Baybay City, Leyte* and/or through video conferencing or webcasting *via Google Meet*, which shall be open to prospective bidders.

Bidders are advised to contact the BAC Secretariat before the scheduled Pre-Bid Conference for the Google Meet link.

7. Bids must be duly received by the BAC Secretariat through (i) manual submission at the office address indicated below, (ii) online or electronic submission as indicated below, or (iii) both on or before *02 December 2021 until 8:30 AM*. Late bids shall not be accepted.
8. For bidders who opt to submit their bids electronically, a hardcopy (original, copy 1, and copy 2) of the bid must be sent to the BAC through preferred couriers. A proof (e.g. courier receipt/waybill, etc.) that a hardcopy of the bid is on transit must be presented upon submission of the electronic bid.
9. All Bids must be accompanied by a bid security in any of the acceptable forms and in the amount stated in **ITB** Clause 14.
10. Bid opening shall be on *02 December 2021; 9:00 AM* at the *Cooperative Building, VSU Market, Visca, Baybay City, Leyte* and/or via *Google Meet*. Bids will be opened in the presence of the bidders' representatives who choose to attend the activity.

Bidders are advised to contact the BAC Secretariat before the scheduled Bid Opening for the Google Meet link.

11. This procurement project is part of the early procurement activities (EPA) of VSU for 2022 projects. Procurement activities from advertisement until recommendation of award to the HoPE shall be conducted in 2021 but issuance of award to the winning bidder(s) shall be done in 2022 upon the release of 2022 General Appropriations Act from DBM.
12. The *Visayas State University* reserves the right to reject any and all bids, declare a failure of bidding, or not award the contract at any time prior to contract award in accordance with Sections 35.6 and 41 of the 2016 revised IRR of RA No. 9184, without thereby incurring any liability to the affected bidder or bidders.
13. For further information, please refer to:

***Ms. Jessamine C. Ecleo (BAC Secretariat)***  
*Office of the Head for Procurement,*  
*VSU-Main, Visca, Baybay City, Leyte*  
*Mobile: 053 565 0600 local 1093 or 0998 555 0106*  
*Email: [jessamine.ecleo@vsu.edu.ph](mailto:jessamine.ecleo@vsu.edu.ph)*

***or***

***Mr. Toni Marc L. Dargantes (BAC Secretariat)***  
*Office of the VP for Planning, Resource Generation & Auxiliary Services*  
*VSU-Main, Visca, Baybay City, Leyte*  
*Mobile: 0977 7186594*  
*Email: [tmdargantes@vsu.edu.ph](mailto:tmdargantes@vsu.edu.ph)*

14. You may visit the following websites:

For downloading of Bidding Documents: <https://www.vsu.edu.ph/philgeps-opportunities>

*November 10, 2021*

**DILBERTO O. FERRAREN**  
*Chairperson, VSU BAC*

## ***Section II. Instructions to Bidders***

## **1. Scope of Bid**

The Procuring Entity, *Visayas State University*, wishes to receive Bids for the *Supply and Delivery of Laboratory Supplies and Chemicals*, with identification number *GOODS-22-08*.

The Procurement Project (referred to herein as “Project”) is composed of *116 items*, the details of which are described in Section VII (Technical Specifications).

## **2. Funding Information**

2.1. The GOP through the source of funding as indicated below for 2022 in the amount of *One Million Six Hundred Twenty-Six Thousand Five Hundred Forty-Three Pesos (PhP 1,626,543.00)*.

2.2. The source of funding is: NGA, the General Appropriations Act 2022.

## **3. Bidding Requirements**

The Bidding for the Project shall be governed by all the provisions of RA No. 9184 and its 2016 revised IRR, including its Generic Procurement Manuals and associated policies, rules and regulations as the primary source thereof, while the herein clauses shall serve as the secondary source thereof.

Any amendments made to the IRR and other GPPB issuances shall be applicable only to the ongoing posting, advertisement, or **IB** by the BAC through the issuance of a supplemental or bid bulletin.

The Bidder, by the act of submitting its Bid, shall be deemed to have verified and accepted the general requirements of this Project, including other factors that may affect the cost, duration and execution or implementation of the contract, project, or work and examine all instructions, forms, terms, and project requirements in the Bidding Documents.

## **4. Corrupt, Fraudulent, Collusive, and Coercive Practices**

The Procuring Entity, as well as the Bidders and Suppliers, shall observe the highest standard of ethics during the procurement and execution of the contract. They or through an agent shall not engage in corrupt, fraudulent, collusive, coercive, and obstructive practices defined under Annex “I” of the 2016 revised IRR of RA No. 9184 or other integrity violations in competing for the Project.

## **5. Eligible Bidders**

5.1. Only Bids of Bidders found to be legally, technically, and financially capable will be evaluated.

5.2. Foreign ownership limited to those allowed under the rules may participate in this Project.

- 5.3. Pursuant to Section 23.4.1.3 of the 2016 revised IRR of RA No.9184, the Bidder shall have an SLCC that is at least one (1) contract similar to the Project the value of which, adjusted to current prices using the PSA's CPI, must be at least equivalent to:

Bidder should comply with the following requirements:

- i. Completed at least two (2) similar contracts, the aggregate amount of which should be equivalent to at least *twenty-five percent (25%)* of the ABC for this Project; and
- ii. The largest of these similar contracts must be equivalent to at least half of the percentage of the ABC as required above.

- 5.4. The Bidders shall comply with the eligibility criteria under Section 23.4.1 of the 2016 IRR of RA No. 9184.

## **6. Origin of Goods**

There is no restriction on the origin of goods other than those prohibited by a decision of the UN Security Council taken under Chapter VII of the Charter of the UN, subject to Domestic Preference requirements under **ITB** Clause 18.

## **7. Subcontracts**

- 7.1. The Bidder may subcontract portions of the Project to the extent allowed by the Procuring Entity as stated herein, but in no case more than twenty percent (20%) of the Project.

The Procuring Entity has prescribed that: **Subcontracting is not allowed.**

## **8. Pre-Bid Conference**

The Procuring Entity will hold a pre-bid conference for this Project on the specified date and time and either at its physical address and/or through videoconferencing/webcasting as indicated in paragraph 6 of the **IB**.

## **9. Clarification and Amendment of Bidding Documents**

Prospective bidders may request for clarification on and/or interpretation of any part of the Bidding Documents. Such requests must be in writing and received by the Procuring Entity, either at its given address or through electronic mail indicated in the **IB**, at least ten (10) calendar days before the deadline set for the submission and receipt of Bids.

## **10. Documents comprising the Bid: Eligibility and Technical Components**



- 10.1. The first envelope shall contain the eligibility and technical documents of the Bid as specified in **Section VIII (Checklist of Technical and Financial Documents)**.
- 10.2. The Bidder's SLCC as indicated in **ITB** Clause 5.3 should have been completed within **two (2 years)** prior to the deadline for the submission and receipt of bids.
- 10.3. If the eligibility requirements or statements, the bids, and all other documents for submission to the BAC are in foreign language other than English, it must be accompanied by a translation in English, which shall be authenticated by the appropriate Philippine foreign service establishment, post, or the equivalent office having jurisdiction over the foreign bidder's affairs in the Philippines. Similar to the required authentication above, for Contracting Parties to the Apostille Convention, only the translated documents shall be authenticated through an apostille pursuant to GPPB Resolution No. 13-2019 dated 23 May 2019. The English translation shall govern, for purposes of interpretation of the bid.

## **11. Documents comprising the Bid: Financial Component**

- 11.1. The second bid envelope shall contain the financial documents for the Bid as specified in **Section VIII (Checklist of Technical and Financial Documents)**.
- 11.2. If the Bidder claims preference as a Domestic Bidder or Domestic Entity, a certification issued by DTI shall be provided by the Bidder in accordance with Section 43.1.3 of the 2016 revised IRR of RA No. 9184.
- 11.3. Any bid exceeding the ABC indicated in paragraph 1 of the **IB** shall not be accepted.
- 11.4. For Foreign-funded Procurement, a ceiling may be applied to bid prices provided the conditions are met under Section 31.2 of the 2016 revised IRR of RA No. 9184.

## **12. Bid Prices**

- 12.1. Prices indicated on the Price Schedule shall be entered separately in the following manner:
  - a. For Goods offered from within the Procuring Entity's country:
    - i. The price of the Goods quoted EXW (ex-works, ex-factory, ex-warehouse, ex-showroom, or off-the-shelf, as applicable);
    - ii. The cost of all customs duties and sales and other taxes already paid or payable;
    - iii. The cost of transportation, insurance, and other costs incidental to delivery of the Goods to their final destination; and

- iv. The price of other (incidental) services, if any, listed in e.
- b. For Goods offered from abroad:
  - i. Unless otherwise stated in the **BDS**, the price of the Goods shall be quoted delivered duty paid (DDP) with the place of destination in the Philippines as specified in the **BDS**. In quoting the price, the Bidder shall be free to use transportation through carriers registered in any eligible country. Similarly, the Bidder may obtain insurance services from any eligible source country.
  - ii. The price of other (incidental) services, if any, as listed in **Section VII (Technical Specifications)**.

### **13. Bid and Payment Currencies**

13.1. For Goods that the Bidder will supply from outside the Philippines, the bid prices may be quoted in the local currency or tradeable currency accepted by the BSP at the discretion of the Bidder. However, for purposes of bid evaluation, Bids denominated in foreign currencies, shall be converted to Philippine currency based on the exchange rate as published in the BSP reference rate bulletin on the day of the bid opening.

13.2. Payment of the contract price shall be made in: Philippine Pesos.

### **14. Bid Security**

14.1. The Bidder shall submit a Bid Securing Declaration or any form of Bid Security in the amount indicated in the **BDS**, which shall be not less than the percentage of the ABC in accordance with the schedule in the **BDS**.

14.2. The Bid and bid security shall be valid until *April 01, 2022*. Any Bid not accompanied by an acceptable bid security shall be rejected by the Procuring Entity as non-responsive.

### **15. Sealing and Marking of Bids**

Each Bidder shall submit one copy of the first and second components of its Bid.

The Procuring Entity may request additional hard copies and/or electronic copies of the Bid. However, failure of the Bidders to comply with the said request shall not be a ground for disqualification.

If the Procuring Entity allows the submission of bids through online submission or any other electronic means, the Bidder shall submit an electronic copy of its Bid, which must be digitally signed. An electronic copy that cannot be opened or is corrupted shall be considered non-responsive and, thus, automatically disqualified.

### **16. Deadline for Submission of Bids**

- 16.1. The Bidders shall submit on the specified date and time and either at its physical address or through online submission as indicated in paragraph 7 of the **IB**.

## **17. Opening and Preliminary Examination of Bids**

- 17.1. The BAC shall open the Bids in public at the time, on the date, and at the place specified in paragraph 9 of the **IB**. The Bidders' representatives who are present shall sign a register evidencing their attendance. In case videoconferencing, webcasting or other similar technologies will be used, attendance of participants shall likewise be recorded by the BAC Secretariat.

In case the Bids cannot be opened as scheduled due to justifiable reasons, the rescheduling requirements under Section 29 of the 2016 revised IRR of RA No. 9184 shall prevail.

- 17.2. The preliminary examination of bids shall be governed by Section 30 of the 2016 revised IRR of RA No. 9184.

## **18. Domestic Preference**

- 18.1. The Procuring Entity will grant a margin of preference for the purpose of comparison of Bids in accordance with Section 43.1.2 of the 2016 revised IRR of RA No. 9184.

## **19. Detailed Evaluation and Comparison of Bids**

- 19.1. The Procuring BAC shall immediately conduct a detailed evaluation of all Bids rated "*passed*," using non-discretionary pass/fail criteria. The BAC shall consider the conditions in the evaluation of Bids under Section 32.2 of the 2016 revised IRR of RA No. 9184.
- 19.2. If the Project allows partial bids, bidders may submit a proposal on any of the lots or items, and evaluation will be undertaken on a per lot or item basis, as the case may be. In this case, the Bid Security as required by **ITB** Clause 15 shall be submitted for each lot or item separately.
- 19.3. The descriptions of the lots or items shall be indicated in **Section VII (Technical Specifications)**, although the ABCs of these lots or items are indicated in the **BDS** for purposes of the NFCC computation pursuant to Section 23.4.2.6 of the 2016 revised IRR of RA No. 9184. The NFCC must be sufficient for the total of the ABCs for all the lots or items participated in by the prospective Bidder.
- 19.4. The Project shall be awarded as follows: One Project having several items, which shall be awarded as separate contracts per item.
- 19.5. Except for bidders submitting a committed Line of Credit from a Universal or Commercial Bank in lieu of its NFCC computation, all Bids must include the NFCC computation pursuant to Section 23.4.1.4 of the 2016 revised IRR of

RA No. 9184, which must be sufficient for the total of the ABCs for all the lots or items participated in by the prospective Bidder. For bidders submitting the committed Line of Credit, it must be at least equal to ten percent (10%) of the ABCs for all the lots or items participated in by the prospective Bidder.

## **20. Post-Qualification**

- 20.1. Within a non-extendible period of five (5) calendar days from receipt by the Bidder of the notice from the BAC that it submitted the Lowest Calculated Bid, the Bidder shall submit its latest income and business tax returns filed and paid through the BIR Electronic Filing and Payment System (eFPS) and other appropriate licenses and permits required by law and stated in the **BDS**.

## **21. Signing of the Contract**

- 21.1. The documents required in Section 37.2 of the 2016 revised IRR of RA No. 9184 shall form part of the Contract. Additional Contract documents are indicated in the **BDS**.

### ***Section III. Bid Data Sheet***

# Bid Data Sheet

ITB Clause	
5.3	For this purpose, contracts similar to the Project shall be: <ul style="list-style-type: none"> <li>a. <i>Laboratory Supplies and/or Laboratory Chemicals</i></li> <li>b. completed within two (2) years prior to the deadline for the submission and receipt of bids.</li> </ul>
7.1	Subcontracting is not allowed.
12	The price of the Goods shall be quoted DDP <i>VSU Main, Visca, Baybay City, Leyte</i> or the applicable International Commercial Terms (INCOTERMS) for this Project.
14.1	The bid security shall be in the form of a Bid Securing Declaration, or any of the following forms and amounts: <ul style="list-style-type: none"> <li>a. The amount of not less than <i>Thirty-Two Thousand Five Hundred Thirty and 86/100 Pesos (PhP 32,530.86)</i> or two percent (2%) of ABC, if bid security is in cash, cashier's/manager's check, bank draft/guarantee or irrevocable letter of credit; or</li> <li>b. The amount of not less than <i>Eighty-One Thousand Three Hundred Twenty-Seven and 15/100 Pesos (PhP 81,327.15)</i> or five percent (5%) of ABC if bid security is in Surety Bond.</li> </ul>
15	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.
19.3	<i>See Section I. Invitation to Bid (Item 1) for the list of items and their corresponding total Approved Budget for the Contract (ABC).</i>
20.2	In case the PhilGEPS Platinum Certificate of Registration is not available during bid submission, it shall be submitted as a post-qualification requirement, in accordance with Section 34.2 of the 2016 Revised IRR of R.A. 9184.
21.2	<i>Not Applicable.</i>

## ***Section IV. General Conditions of Contract***

## **1. Scope of Contract**

This Contract shall include all such items, although not specifically mentioned, that can be reasonably inferred as being required for its completion as if such items were expressly mentioned herein. All the provisions of RA No. 9184 and its 2016 revised IRR, including the Generic Procurement Manual, and associated issuances, constitute the primary source for the terms and conditions of the Contract, and thus, applicable in contract implementation. Herein clauses shall serve as the secondary source for the terms and conditions of the Contract.

This is without prejudice to Sections 74.1 and 74.2 of the 2016 revised IRR of RA No. 9184 allowing the GPPB to amend the IRR, which shall be applied to all procurement activities, the advertisement, posting, or invitation of which were issued after the effectivity of the said amendment.

Additional requirements for the completion of this Contract shall be provided in the **Special Conditions of Contract (SCC)**.

## **2. Advance Payment and Terms of Payment**

2.1. Advance payment of the contract amount is provided under Annex “D” of the revised 2016 IRR of RA No. 9184.

2.2. The Procuring Entity is allowed to determine the terms of payment on the partial or staggered delivery of the Goods procured, provided such partial payment shall correspond to the value of the goods delivered and accepted in accordance with prevailing accounting and auditing rules and regulations. The terms of payment are indicated in the **SCC**.

## **3. Performance Security**

Within ten (10) calendar days from receipt of the Notice of Award by the Bidder from the Procuring Entity but in no case later than prior to the signing of the Contract by both parties, the successful Bidder shall furnish the performance security in any of the forms prescribed in Section 39 of the 2016 revised IRR of RA No. 9184.

## **4. Inspection and Tests**

The Procuring Entity or its representative shall have the right to inspect and/or to test the Goods to confirm their conformity to the Project specifications at no extra cost to the Procuring Entity in accordance with the Generic Procurement Manual. In addition to tests in the **SCC**, **Section IV (Technical Specifications)** shall specify what inspections and/or tests the Procuring Entity requires, and where they are to be conducted. The Procuring Entity shall notify the Supplier in writing, in a timely manner, of the identity of any representatives retained for these purposes.

All reasonable facilities and assistance for the inspection and testing of Goods, including access to drawings and production data, shall be provided by the Supplier to the authorized inspectors at no charge to the Procuring Entity.



## **5. Warranty**

- 6.1. In order to assure that manufacturing defects shall be corrected by the Supplier, a warranty shall be required from the Supplier as provided under Section 62.1 of the 2016 revised IRR of RA No. 9184.
- 6.2. The Procuring Entity shall promptly notify the Supplier in writing of any claims arising under this warranty. Upon receipt of such notice, the Supplier shall, repair or replace the defective Goods or parts thereof without cost to the Procuring Entity, pursuant to the Generic Procurement Manual.

## **6. Liability of the Supplier**

The Supplier's liability under this Contract shall be as provided by the laws of the Republic of the Philippines.

If the Supplier is a joint venture, all partners to the joint venture shall be jointly and severally liable to the Procuring Entity.

## ***Section V. Special Conditions of Contract***

## Special Conditions of Contract

GCC Clause	
1	<p><b>Delivery and Documents –</b></p> <p>For purposes of the Contract, “EXW,” “FOB,” “FCA,” “CIF,” “CIP,” “DDP” and other trade terms used to describe the obligations of the parties shall have the meanings assigned to them by the current edition of INCOTERMS published by the International Chamber of Commerce, Paris. The Delivery terms of this Contract shall be as follows:</p> <p>The delivery term applicable to this Contract is delivered <i>VSU Main Campus, Visca, Baybay City, Leyte</i>. Risk and title will pass from the Supplier to the Procuring Entity upon receipt and final acceptance of the Goods at their final destination.</p> <p>Delivery of the Goods shall be made by the Supplier in accordance with the terms specified in Section VI (Schedule of Requirements).</p> <p>For purposes of this Clause the Procuring Entity’s Representative at the Project Site is:</p> <p style="text-align: center;"><b><i>Ms. Alicia M. Flores</i></b>  <i>Head, Supply and Property Management Office,</i>  <i>VSU-Main, Visca, Baybay City, Leyte</i>  <i>Contact #: 053 565 0600 local 1082 / 0917 6341 430</i>  <i>Email address: alicia.flores@vsu.edu.ph</i></p> <p><b>Incidental Services –</b></p> <p>The Supplier is required to provide all of the following services, including additional services, if any, specified in Section VI. Schedule of Requirements:</p> <ol style="list-style-type: none"> <li>a. performance or supervision of on-site assembly and/or start-up of the supplied Goods;</li> <li>b. furnishing of tools required for assembly and/or maintenance of the supplied Goods;</li> <li>c. furnishing of a detailed operations and maintenance manual for each appropriate unit of the supplied Goods;</li> <li>d. performance or supervision or maintenance and/or repair of the supplied Goods, for a period of time agreed by the parties, provided that this service shall not relieve the Supplier of any warranty obligations under this Contract; and</li> <li>e. training of the Procuring Entity’s personnel, at the Supplier’s plant and/or on-site, in assembly, start-up, operation, maintenance, and/or repair of the supplied Goods.</li> </ol>
	<p>The Contract price for the Goods shall include the prices charged by the Supplier for incidental services and shall not exceed the prevailing rates charged to other parties by the Supplier for similar services.</p>

	<p><b>Spare Parts –</b></p> <p>The Supplier is required to provide all of the following materials, notifications, and information pertaining to spare parts manufactured or distributed by the Supplier:</p> <ul style="list-style-type: none"> <li>a. such spare parts as the Procuring Entity may elect to purchase from the Supplier, provided that this election shall not relieve the Supplier of any warranty obligations under this Contract; and</li> <li>b. in the event of termination of production of the spare parts: <ul style="list-style-type: none"> <li>i. advance notification to the Procuring Entity of the pending termination, in sufficient time to permit the Procuring Entity to procure needed requirements; and</li> <li>ii. following such termination, furnishing at no cost to the Procuring Entity, the blueprints, drawings, and specifications of the spare parts, if requested.</li> </ul> </li> </ul> <p>The spare parts and other components required are listed in <b>Section VI (Schedule of Requirements)</b> and the cost thereof are included in the contract price.</p> <p>The Supplier shall carry sufficient inventories to assure ex-stock supply of consumable spare parts or components for the Goods for a period of 3 years.</p> <p>Spare parts or components shall be supplied as promptly as possible, but in any case, within 1 month of placing the order.</p>
	<p><b>Packaging –</b></p> <p>The Supplier shall provide such packaging of the Goods as is required to prevent their damage or deterioration during transit to their final destination, as indicated in this Contract. The packaging shall be sufficient to withstand, without limitation, rough handling during transit and exposure to extreme temperatures, salt and precipitation during transit, and open storage. Packaging case size and weights shall take into consideration, where appropriate, the remoteness of the Goods’ final destination and the absence of heavy handling facilities at all points in transit.</p> <p>The packaging, marking, and documentation within and outside the packages shall comply strictly with such special requirements as shall be expressly provided for in the Contract, including additional requirements, if any, specified below, and in any subsequent instructions ordered by the Procuring Entity.</p> <p>The outer packaging must be clearly marked on at least four (4) sides as follows:</p>

	Name of the Procuring Entity Name of the Supplier Contract Description Final Destination Gross weight Any special lifting instructions Any special handling instructions Any relevant HAZCHEM classifications
	<p>A packaging list identifying the contents and quantities of the package is to be placed on an accessible point of the outer packaging if practical. If not practical the packaging list is to be placed inside the outer packaging but outside the secondary packaging.</p> <p><b>Transportation –</b></p> <p>Where the Supplier is required under Contract to deliver the Goods CIF, CIP, or DDP, transport of the Goods to the port of destination or such other named place of destination in the Philippines, as shall be specified in this Contract, shall be arranged and paid for by the Supplier, and the cost thereof shall be included in the Contract Price.</p> <p>Where the Supplier is required under this Contract to transport the Goods to a specified place of destination within the Philippines, defined as the Project Site, transport to such place of destination in the Philippines, including insurance and storage, as shall be specified in this Contract, shall be arranged by the Supplier, and related costs shall be included in the contract price.</p>
	<p>Where the Supplier is required under Contract to deliver the Goods CIF, CIP or DDP, Goods are to be transported on carriers of Philippine registry. In the event that no carrier of Philippine registry is available, Goods may be shipped by a carrier which is not of Philippine registry provided that the Supplier obtains and presents to the Procuring Entity certification to this effect from the nearest Philippine consulate to the port of dispatch. In the event that carriers of Philippine registry are available but their schedule delays the Supplier in its performance of this Contract the period from when the Goods were first ready for shipment and the actual date of shipment the period of delay will be considered force majeure.</p> <p>The Procuring Entity accepts no liability for the damage of Goods during transit other than those prescribed by INCOTERMS for DDP deliveries. In the case of Goods supplied from within the Philippines or supplied by domestic Suppliers risk and title will not be deemed to have passed to the Procuring Entity until their receipt and final acceptance at the final destination.</p>

	<b>Intellectual Property Rights –</b>  The Supplier shall indemnify the Procuring Entity against all third-party claims of infringement of patent, trademark, or industrial design rights arising from use of the Goods or any part thereof.
2.2	Payment of staggered deliveries shall be allowed. Payment shall be on “as per cost of the items delivered” subject to inspection and acceptance.
4	The inspections and tests that will be conducted will be specified by the appropriate technical team of VSU to confirm conformity to the contract specifications at no extra cost to VSU.

## *Section VI. 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.

Item No.	Qty	Unit	Description	Delivered, Weeks/Months
1	1	btl	<b>L-Glutamine, ≥99% (HPLC), 100g</b>	All Items Should Be Delivered Within <b>90 Calendar Days</b> From Receipt Of Notice To Proceed And Purchase Order
			☐ ≥99% (HPLC grade)	
			☐ 100g per bottle	
2	1	btl	<b>6-Benzylaminopurine, 5g/btl</b>	
			☐ suitable for plant cell culture	
3	1	btl	<b>D-Pantothenic acid hemicalcium salt, 5g</b>	
4	2	gallon	<b>95% Ethyl Alcohol, Technical Grade (Gallon)</b>	
5	1	kilos	<b>Agar Agar</b>	
6	2	btls	<b>Myo-inositol</b>	
			☐ AR, 100g	
7	3	pieces	<b>Stirring Rod</b>	
			☐ big size, 10 inches long	
			☐ fire polished ends with no policeman	
8	9	pcs	<b>Reagent Bottle 500mL</b>	
			☐ Amber colored bottle with HDPE orange screw cap	
			☐ 500mL	
9	6	btls	<b>Barfoed's Reagent Solution 1000mL</b>	
			☐ Technical Reagent Grade	
			☐ 1000mL per bottle	
10	4	liter	<b>Glycerine</b>	
			☐ Glycerine Technical Grade	
			☐ 1L/bot.	
11	1	btl	<b>Canada Balsam, for microscopy, 100ml</b>	
12	1	gal	<b>Acetone</b>	
			☐ Technical Grade	
			☐ 1gal	
13	6	pcs	<b>Coplin Jar with cover</b>	
			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	
14	1	btl	<b>Safranin O Solution</b>	
			☐ 250ml	
15	3	canister	<b>Ethyl Alcohol (95%)</b>	
			Container size: Plastic waterjug (20L)	
16	9	gms	<b>Absorbent Cotton Roll 400g</b>	

			Quality cotton products that guarantee superior absorbency and made from 100% pure and natural fibers absorbs more liquid and faster than synthetic fibers	
17	1	pack	<b>Proteinase K</b>	
			Molecular biology grade, DNase-Free, RNase-Free	
			For general digestion of proteins	
			Lyophilized form	
			Pack of at least 100mg with appropriate buffer	
18	1	pc	<b>200- 1000 ul Mechanical Autoclavable Pipette Single Channel Pipettor, Fully Autoclavable</b>	
			7030301016, 200- 1000 ul Mechanical Autoclavable Pipette Single Channel Pipettor, Fully Autoclavable	
19	1	pc	<b>1000- 5000 ul Mechanical Autoclavable Pipette Single Channel Pipettor, Fully Autoclavabl</b>	
			7030301017, 1000- 5000 ul Mechanical Autoclavable Pipette Single Channel Pipettor, Fully Autoclavable	
20	1	pc	<b>1000- 5000 ul Mechanical Autoclavable Pipette Single Channel Pipettor, Fully Autoclavabl</b>	
			7030301017, 1000- 5000 ul Mechanical Autoclavable Pipette Single Channel Pipettor, Fully Autoclavable	
21	1	btl	<b>Sodium dodecyl sulfate (SDS)</b>	
			■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	
22	2	kl	<b>Ammonium Nitrate</b>	
			■AR grade; at least 98% purity	
			■Molecular Wt. 80.043 grams per mol.	
			■1kg/pack	
23	3	kl	<b>Potassium Nitrate</b>	
			■AR grade	
			■Formula: KNO3	
			■Molar wt: 101.1032 g/mo	
			■1kg/pack	
24	2	pack	<b>Mannitol (AR)</b>	
			Formula: C6H14O6	
			Molecular Wt. 182.172g/mol.	
25	2	pack	<b>Sorbitol (AR)</b>	
			Chemical Formula: C6H14O6	
			Molecular Wt. 182.172 g/mol.	
26	2	btl	<b>Calcium Chloride Dihydrate</b>	



			☐Branding the chemical to be purchase is following the protocol set for the project's protocol and standards
			☐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
			☐500g
27	2	btl	<b>Agar Powder</b>
			for plant tissue culture, 1kg
28	1	gms	<b>Ethymethanesulfonate, EMS</b>
			- a mutagenic chemical
			Molecular Weight: 124.16 g/mol
			Molecular Formula: C3H8O3S
29	2	btl	<b>Potassium phosphate monobasic, KH2PO4</b>
			Analytical grade
			Use for enzyme buffers and chemical assays
			Bottle of 500g
30	1	gms	<b>Casein Hydrolysate</b>
			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
31	6	L	<b>Alcohol, Ethyl</b>
32	2	btl	<b>Nutrient Agar</b>
			☐500g
33	3	btl	<b>Potato Dextrose Agar (PDA), 500 grams</b>
34	2	box	<b>Gloves, Nitrile, Medium</b>
			☐Glove Type: Chemical Resistant Disposable Gloves
			☐Glove Material: Nitrile
			☐Powder-Free
			☐1 box of 100 or 50 pairs
			☐Food Safe
			☐Size: Medium
35	7	liters	<b>Alcohol, Ethyl, 95% (Tech)</b>
36	3	boxes	<b>Filter Paper, 12.5 cm. Ashless #42 or equivalent</b>

			Pore size: 2.5um at least 100 pcs. per box
37	4	kgs	<b>Ammonium Acetate, AR</b>
38	2	pack	<b>Copper Sulphate, 500 grams/pack</b>
39	1	kgs	<b>Boric Acid, Analytical Reagent</b>
40	1	pc	<b>Wash Bottle, 250mL cap.</b>
			Material: Plastic (good quality)
41	150	pcs	<b>Polyethylene bags</b>
			4 x 4 x 8"
42	1	btls	<b>Sodium Hydroxide, Technical grade, 1kg/pack</b>
43	5	btls	<b>Sodium Hydroxide, AR 500G</b>
			500 g/bottle, AR, Pellets
44	1	btl	<b>Nutrient Agar, 500g</b>
45	1	gms	<b>Potassium dihydrogen phosphate, AR</b>
46	1	btl	<b>Potassium Chloride, AR, 1000g</b>
47	6	pc	<b>Separatory Funnel with Ring Stand</b>
			Borosilicate glass
			With stopper and cap
			With lab compatible lap support stand
			With compatible ring clamp
			Size: 1L
48	2	pc	<b>Activated Carbon Filter for FH1200(X) Fume Hood</b>
			Fume hood filter replacement
			For Biobase FH1200(X) Fume Hood
			For organic and corrosive vapors
49	12	pc	<b>Amber Reagent Bottle, 1L</b>
			With Stopper/Screw Cap
			Material: Glass/Borosilicate Glass
			Capacity: 1L
50	12	pc	<b>Amber Reagent Bottle, 500mL</b>
			With Stopper/Screw Cap
			Material: Glass/Borosilicate Glass
			Capacity: 500mL
51	12	pc	<b>Amber Reagent Bottle, 250mL</b>
			With Stopper/Screw Cap
			Material: Glass/Borosilicate Glass
			Capacity: 250mL
52	12	pc	<b>Amber Reagent Bottle, 100mL</b>
			With Stopper/Screw Cap
			Material: Glass/Borosilicate Glass
			Capacity: 100mL
53	12	pc	<b>Amber Reagent Bottle</b>
			With Stopper/Screw Cap
			Material: Glass/Borosilicate Glass
			Capacity: 50mL
54	2	pcs	<b>Heating Mantle</b>
			220V 500mL/1L/2L Heating Mantle &

			Magnetic Stirrer Stirring Temperature Regulation Digital Display Lab Electric Sleeve - 2L
55	9	pc	<b>Graduated Cylinder, Glass, 250mL</b>
			■ Material: Borosilicate Glass
			■ Good Quality
56	9	pc	<b>Graduated Cylinder, Glass, 1000mL</b>
			■ Material: Borosilicate Glass
			■ Good Quality
57	6	pc	<b>Anti-static Cleaning Brush</b>
			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
58	6	pc	<b>Swivel head bottle/flask brush</b>
			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
59	3	pack	<b>Centrifuge Tube Brush</b>
			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
60	3	pack	<b>Pipette Brush</b>
			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
61	3	pack	<b>Narrow Tube Brush</b>
			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
62	6	pack	<b>Micro Tube Brush</b>
			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
63	3	pc	<b>Flask Brush</b>
			For flasks
			Material: natural bristles
			Stiff of at least 4 1/2 x 13/4 in.
			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.
64	3	pack	<b>Cylinder Brush</b>
			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
65	3	pack	<b>Test Tube Brush</b>
			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
66	4	unit	<b>Pipette Filler</b>
			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
67	12	pc	<b>PCR Tube Rack with Cover</b>

			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
68	12	unit	<b>Centrifuge Rack, Multifunction</b>
			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
69	24	pc	<b>Petri dish</b>
			☐comprise a lid and base
			☐high clarity glass
			☐borosilicate glass
			☐size:
			◀Cover int. dia mm : 95
			◀Base ext. dia mm: 94
			◀Size: 100 x 20
70	12	pc	<b>Serological Glass Pipette, 25mL</b>
			Autoclavable
			Borosilicate glass
			Graduation: 0.2mL Intervals
			Capacity: 25mL
71	12	pc	<b>Serological Glass Pipette, 50mL</b>
			Autoclavable
			Borosilicate glass
			Graduation: 1mL Intervals
			Capacity: 50mL
72	24	pc	<b>Glass Centrifuge Tubes, 10mL</b>
			Glass centrifuge tube with screw cap, heavy wall
			Form: Round bottom
			Material: Borosilicate glass
			Capacity: 10mL with graduation
73	24	pc	<b>Glass Centrifuge Tubes, 50mL</b>
			Glass centrifuge tube with screw cap, heavy wall
			Form: Round bottom
			Material: Borosilicate glass
			Capacity: 50mL with graduation
74	1	pc	<b>0.5-10 ul Mechanical Autoclavable Pipette Single Channel Pipettor, Fully Autoclavable</b>
			7030301004, 0.5-10 ul Mechanical Autoclavable Pipette Single Channel Pipettor, Fully Autoclavable

75	1	pc	<b>20-200ul Single Channel Pipettor, Fully Autoclavable</b>
			NT-A200, 20-200ul Single Channel Pipettor, Fully Autoclavable
76	1	pc	<b>10-100ul Single Channel Pipettor, Fully Autoclavable</b>
			NT-A100, 10-100ul Single Channel Pipettor, Fully Autoclavable
77	1	pc	<b>2-20ul Single channel pipettor</b>
			NT-A20, 2-20ul Single Channel Pipettor, Fully Autoclavable
78	6	unit	<b>Laboratory Safety Goggles</b>
			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
79	3	unit	<b>Mini-spin Centrifuge</b>
			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
			Rotor for PCR plates
			Max speed acceleration/reduction: ≤12s /≤15s
80	20	pc	<b>Laboratory Stool/Chair, Wheeled</b>
			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
81	20	pc	<b>Laboratory Stool/Chair, Goblet Foot</b>
			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
82	12	unit	<b>Wall-mounted Cupboard/Cabinet</b>
			Purpose: Laboratory storage cabinet
			Material: High quality galvanized steel sheet
			Surface: Electro sprayed with epoxy-resin
			Door panel: High quality galvanized steel with Glass Door
			Handle: Aluminum dark type handle
			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
83	12	unit	<b>Mobile Pedestal Cabinet, Four-drawers</b>
			Purpose: Laboratory storage cabinet
			Material: High quality galvanized steel sheet
			Surface: Electro sprayed 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
84	12	unit	<b>Mobile Pedestal Cabinet, Single-door cabinet with single drawer</b>
			Purpose: Laboratory storage cabinet
			Material: High quality galvanized steel sheet
			Surface: Electro sprayed 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
85	12	unit	<b>Microcentrifuge Rack with Cover, Reversible (2 mL/ 1.5 mL)</b>
			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

86	6	pack	<b>Floating Microtube Racks</b>
			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
87	12	unit	<b>Mortar and Pestle, Heavy Duty</b>
			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
88	6	pack	<b>Amber Injection Glass Vials with cover, 2mL</b>
			Screw top vial, 2 mL
			Amber, write-on spot with cover
			Autoclavable
			Compatible with Agilent HPLC Sampler
			Pack of 100 vials
89	6	pack	<b>Amber Injection Glass Vials with cover, 4mL</b>
			Screw top vial, 4 mL
			Amber, write-on spot with cover
			Autoclavable
			Compatible with Agilent HPLC Sampler
			Pack of 100 vials
90	4	pc	<b>Vortex Mixer, 220V QL-901, 2800RPM</b>
91	3	unit	<b>Liquid Nitrogen Storage/Transfer Vessel</b>
			N2 Transfer Vessel
			Capacity: 10L
			Lightweight aluminum dewars assure low-static evaporation rates
92	3	btl	<b>Potassium Hydroxide</b>
			■Flakes
			■Analytical Grade
			■1kg
93	1	btl	<b>Potassium Hydrogen Phthalate (KHP)</b>
			■(CAS 877-24-7)
			■Powder
			■500g
			■Analytical Grade
94	1	btl	<b>Phenolphthalein Powder Indicator</b>
			■Analytical Grade
			■500 grams
			■CAS 77-09-8



95	1	gallons	<b>Alcohol, Denatured</b>
96	3	pcs	<b>1000 ml Type 1, class A borosilicate glass Beaker</b>
97	1	pc	<b>Mortar and Pestle (small)</b>
98	1	pcs	<b>Lab Gown Long Sleeves L</b>
			■ Lab Coat High-quality White
			■ Size- Large; long sleeves
99	1	pack	<b>Laboratory Weighing Boats</b>
			Plastic, 100 mL
			at least 100 pcs. pack
100	1	gallon	<b>Ethanol</b>
			AR grade, 2.5L, at least 95% v/v
101	1	btl	<b>Sulfuric Acid</b>
			■ Analytical Grade (98%)
			■ 2.5 Liters
			■ specific gravity 1.84
102	1	pcs	<b>Lab Gown Long Sleeves M</b>
			■ Lab Coat High-quality White
			■ Long sleeves
			■ Medium Size
103	3	pcs	<b>Graduated Cylinder, Glass, 100mL</b>
			100mL capacity
			Type 1, Class A Borosilicate Glass
104	3	pcs	<b>Erlenmeyer Flask, Glass, 500mL</b>
			■ 500mL capacity, borosilicate glass
105	4	pcs	<b>500 ml Type 1, class A borosilicate glass Beaker</b>
106	6	pcs	<b>250 ml Type 1, class A borosilicate glass Beaker</b>
107	3	pack	<b>Weighing Paper Sheet, Non-Absorbing</b>
			High-GlossPack of 500
108	3	pc	<b>Reagent Bottles</b>
			■ 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
109	3	L	<b>Graduated Cylinder, Plastic, 1000mL</b>

			Plastic, 1000ml (1L) capacity for Particle Size Analysis
110	7	pc	<b>Solar Charge Controller</b>
			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
111	1	pack	<b>Watch Glass</b>
			☐Material: Glass/Borosilicate Glass
			☐Autoclavable: Yes
			☐Outer diameter: 75 mm (7.5cm),
			☐fits 250 mL beakers,
			☐12pcs/pack,
			☐good quality
112	6	pc	<b>Beaker, Glass, 250mL</b>
			☐Low Form Beaker
			☐Borosilicate Glass
			☐Transparent Beaker
			☐Thickened With Spout
113	6	pc	<b>Erlenmeyer Flask, Glass, 250mL</b>
			☐Material: Borosilicate Glass
			☐Good Quality
114	2	pc	<b>Brush for cleaning 250mL Erlenmeyer Flask</b>
			☐Bristle Color: White Bristle
			☐Brush+Handle Length: 12"
			☐Brush Diameter: 1 3/8"
			☐Brush Length: 3 1/2"
			☐Suitable for cleaning 250mL Erlenmeyer Flask
115	2	pc	<b>Reagent Bottle</b>
			☐With Stopper/Screw Cap
			☐Material: Glass/Borosilicate Glass
			☐Color: Clear/Transparent Flask
			☐Capacity: 2000mL
			☐Graduation: 1800mL
116	6	btl	<b>Labware Detergent or Laboratory Dishwashing Liquid</b>
			☐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

## ***Section VII. Technical Specifications***

# Technical Specifications

Item No.	Qty	Unit	Description	STATEMENT OF COMPLIANCE
1	1	btI	<b>L-Glutamine, ≥99% (HPLC), 100g</b>	<p><i>[Bidders must state here either “Comply” or “Not Comply” against each of the individual parameters of each Specification stating the corresponding performance parameter of the equipment offered. Statements of “Comply” or “Not Comply” must be supported by evidence in a Bidders Bid and cross-referenced to that evidence. Evidence shall be in the form of manufacturer’s un-amended sales literature, unconditional statements of specification and compliance issued by the manufacturer, samples, independent test data etc., 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 Bidder's 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 applicable laws and issuances.]</i></p>
			■ ≥99% (HPLC grade)	
			■ 100g per bottle	
2	1	btI	<b>6-Benzylaminopurine, 5g/btl</b>	
			■ suitable for plant cell culture	
3	1	btI	<b>D-Pantothenic acid hemicalcium salt, 5g</b>	
4	2	gallon	<b>95% Ethyl Alcohol, Technical Grade (Gallon)</b>	
5	1	kilos	<b>Agar Agar</b>	
6	2	btIs	<b>Myo-inositol</b>	
			■ AR, 100g	
7	3	pieces	<b>Stirring Rod</b>	
			■ big size, 10 inches long	
			■ fire polished ends with no policeman	
8	9	pcs	<b>Reagent Bottle 500mL</b>	
			■ Amber colored bottle with HDPE orange screw cap	
			■ 500mL	
9	6	btIs	<b>Barfoed's Reagent Solution 1000mL</b>	
			■ Technical Reagent Grade	
			■ 1000mL per bottle	
10	4	liter	<b>Glycerine</b>	
			■ Glycerine Technical Grade	
			■ 1L/bot.	
11	1	btI	<b>Canada Balsam, for microscopy, 100ml</b>	
12	1	gal	<b>Acetone</b>	
			■ Technical Grade	
			■ 1gal	
13	6	pcs	<b>Coplin Jar with cover</b>	
			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	
14	1	btI	<b>Safranin O Solution</b>	
			■ 250ml	
15	3	canister	<b>Ethyl Alcohol (95%)</b>	
			Container size: Plastic waterjug (20L)	
16	9	gms	<b>Absorbent Cotton Roll 400g</b>	
			Quality cotton products that guarantee	

			superior absorbency and made from 100% pure and natural fibers absorbs more liquid and faster than synthetic fibers
17	1	pack	<b>Proteinase K</b>
			Molecular biology grade, DNase-Free, RNase-Free
			For general digestion of proteins
			Lyophilized form
			Pack of at least 100mg with appropriate buffer
18	1	pc	<b>200- 1000 ul Mechanical Autoclavable Pipette Single Channel Pipettor, Fully Autoclavable</b>
			7030301016, 200- 1000 ul Mechanical Autoclavable Pipette Single Channel Pipettor, Fully Autoclavable
19	1	pc	<b>1000- 5000 ul Mechanical Autoclavable Pipette Single Channel Pipettor, Fully Autoclavabl</b>
			7030301017, 1000- 5000 ul Mechanical Autoclavable Pipette Single Channel Pipettor, Fully Autoclavable
20	1	pc	<b>1000- 5000 ul Mechanical Autoclavable Pipette Single Channel Pipettor, Fully Autoclavabl</b>
			7030301017, 1000- 5000 ul Mechanical Autoclavable Pipette Single Channel Pipettor, Fully Autoclavable
21	1	btl	<b>Sodium dodecyl sulfate (SDS)</b>
			☐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
22	2	kl	<b>Ammonium Nitrate</b>
			☐AR grade; at least 98% purity
			☐Molecular Wt. 80.043 grams per mol.
			☐1kg/pack
23	3	kl	<b>Potassium Nitrate</b>
			☐AR grade
			☐Formula: KNO3
			☐Molar wt: 101.1032 g/mo
			☐1kg/pack
24	2	pack	<b>Mannitol (AR)</b>
			Formula: C6H14O6
			Molecular Wt. 182.172g/mol.
25	2	pack	<b>Sorbitol (AR)</b>
			Chemical Formula: C6H14O6
			Molecular Wt. 182.172 g/mol.

26	2	btI	<b>Calcium Chloride Dihydrate</b>
			☐Branding the chemical to be purchase is following the protocol set for the project's protocol and standards
			☐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
			☐500g
27	2	btI	<b>Agar Powder</b>
			for plant tissue culture, 1kg
28	1	gms	<b>Ethymethanesulfonate, EMS</b>
			- a mutagenic chemical
			Molecular Weight: 124.16 g/mol
			Molecular Formula: C3H8O3S
29	2	btI	<b>Potassium phosphate monobasic, KH2PO4</b>
			Analytical grade
			Use for enzyme buffers and chemical assays
			Bottle of 500g
30	1	gms	<b>Casein Hydrolysate</b>
			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
31	6	L	<b>Alcohol, Ethyl</b>
32	2	btI	<b>Nutrient Agar</b>
			☐500g
33	3	btI	<b>Potato Dextrose Agar (PDA), 500 grams</b>
34	2	box	<b>Gloves, Nitrile, Medium</b>
			☐Glove Type: Chemical Resistant Disposable Gloves
			☐Glove Material: Nitrile
			☐Powder-Free
			☐1 box of 100 or 50 pairs
			☐Food Safe

			Size: Medium
35	7	liters	<b>Alcohol, Ethyl, 95% (Tech)</b>
36	3	boxes	<b>Filter Paper, 12.5 cm. Ashless #42 or equivalent</b>
			Pore size: 2.5um at least 100 pcs. per box
37	4	kgs	<b>Ammonium Acetate, AR</b>
38	2	pack	<b>Copper Sulphate, 500 grams/pack</b>
39	1	kgs	<b>Boric Acid, Analytical Reagent</b>
40	1	pc	<b>Wash Bottle, 250mL cap.</b>
			Material: Plastic (good quality)
41	150	pcs	<b>Polyethylene bags</b>
			4 x 4 x 8"
42	1	btls	<b>Sodium Hydroxide, Technical grade, 1kg/pack</b>
43	5	btls	<b>Sodium Hydroxide, AR 500G</b>
			500 g/bottle, AR, Pellets
44	1	btl	<b>Nutrient Agar, 500g</b>
45	1	gms	<b>Potassium dihydrogen phosphate, AR</b>
46	1	btl	<b>Potassium Chloride, AR, 1000g</b>
47	6	pc	<b>Separatory Funnel with Ring Stand</b>
			Borosilicate glass
			With stopper and cap
			With lab compatible lap support stand
			With compatible ring clamp
			Size: 1L
48	2	pc	<b>Activated Carbon Filter for FH1200(X) Fume Hood</b>
			Fume hood filter replacement
			For Biobase FH1200(X) Fume Hood
			For organic and corrosive vapors
49	12	pc	<b>Amber Reagent Bottle, 1L</b>
			With Stopper/Screw Cap
			Material: Glass/Borosilicate Glass
			Capacity: 1L
50	12	pc	<b>Amber Reagent Bottle, 500mL</b>
			With Stopper/Screw Cap
			Material: Glass/Borosilicate Glass
			Capacity: 500mL
51	12	pc	<b>Amber Reagent Bottle, 250mL</b>
			With Stopper/Screw Cap
			Material: Glass/Borosilicate Glass
			Capacity: 250mL
52	12	pc	<b>Amber Reagent Bottle, 100mL</b>
			With Stopper/Screw Cap
			Material: Glass/Borosilicate Glass
			Capacity: 100mL
53	12	pc	<b>Amber Reagent Bottle</b>

			With Stopper/Screw Cap
			Material: Glass/Borosilicate Glass
			Capacity: 50mL
54	2	pcs	<b>Heating Mantle</b>
			■ 220V 500mL/1L/2L Heating Mantle & Magnetic Stirrer Stirring Temperature Regulation Digital Display Lab Electric Sleeve - 2L
55	9	pc	<b>Graduated Cylinder, Glass, 250mL</b>
			■ Material: Borosilicate Glass
			■ Good Quality
56	9	pc	<b>Graduated Cylinder, Glass, 1000mL</b>
			■ Material: Borosilicate Glass
			■ Good Quality
57	6	pc	<b>Anti-static Cleaning Brush</b>
			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
58	6	pc	<b>Swivel head bottle/flask brush</b>
			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
59	3	pack	<b>Centrifuge Tube Brush</b>
			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
60	3	pack	<b>Pipette Brush</b>
			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



61	3	pack	<b>Narrow Tube Brush</b>
			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
62	6	pack	<b>Micro Tube Brush</b>
			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
63	3	pc	<b>Flask Brush</b>
			For flasks
			Material: natural bristles
			Stiff of at least 4 1/2 x 13/4 in.
			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.
64	3	pack	<b>Cylinder Brush</b>
			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
65	3	pack	<b>Test Tube Brush</b>
			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
66	4	unit	<b>Pipette Filler</b>
			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
67	12	pc	<b>PCR Tube Rack with Cover</b>
			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
68	12	unit	<b>Centrifuge Rack, Multifunction</b>
			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
69	24	pc	<b>Petri dish</b>
			■comprise a lid and base
			■high clarity glass
			■borosilicate glass
			■size:
			◀Cover int. dia mm : 95
			◀Base ext. dia mm: 94
			◀Size: 100 x 20
70	12	pc	<b>Serological Glass Pipette, 25mL</b>
			Autoclavable
			Borosilicate glass
			Graduation: 0.2mL Intervals
			Capacity: 25mL
71	12	pc	<b>Serological Glass Pipette, 50mL</b>
			Autoclavable
			Borosilicate glass
			Graduation: 1mL Intervals
			Capacity: 50mL
72	24	pc	<b>Glass Centrifuge Tubes, 10mL</b>
			Glass centrifuge tube with screw cap, heavy wall
			Form: Round bottom
			Material: Borosilicate glass
			Capacity: 10mL with graduation

73	24	pc	<b>Glass Centrifuge Tubes, 50mL</b>
			Glass centrifuge tube with screw cap, heavy wall
			Form: Round bottom
			Material: Borosilicate glass
			Capacity: 50mL with graduation
74	1	pc	<b>0.5-10 ul Mechanical Autoclavable Pipette Single Channel Pipettor, Fully Autoclavable</b>
			7030301004, 0.5-10 ul Mechanical Autoclavable Pipette Single Channel Pipettor, Fully Autoclavable
75	1	pc	<b>20-200ul Single Channel Pipettor, Fully Autoclavable</b>
			NT-A200, 20-200ul Single Channel Pipettor, Fully Autoclavable
76	1	pc	<b>10-100ul Single Channel Pipettor, Fully Autoclavable</b>
			NT-A100, 10-100ul Single Channel Pipettor, Fully Autoclavable
77	1	pc	<b>2-20ul Single channel pipettor</b>
			NT-A20, 2-20ul Single Channel Pipettor, Fully Autoclavable
78	6	unit	<b>Laboratory Safety Goggles</b>
			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
79	3	unit	<b>Mini-spin Centrifuge</b>
			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
			Rotor for PCR plates
			Max speed acceleration/reduction: ≤12s /≤15s
80	20	pc	<b>Laboratory Stool/Chair, Wheeled</b>
			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
81	20	pc	<b>Laboratory Stool/Chair, Goblet Foot</b>
			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
82	12	unit	<b>Wall-mounted Cupboard/Cabinet</b>
			Purpose: Laboratory storage cabinet
			Material: High quality galvanized steel sheet
			Surface: Electro sprayed with epoxy-resin
			Door panel: High quality galvanized steel with Glass Door
			Handle: Aluminum dark type handle
			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
83	12	unit	<b>Mobile Pedestal Cabinet, Four-drawers</b>
			Purpose: Laboratory storage cabinet
			Material: High quality galvanized steel sheet
			Surface: Electro sprayed 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
84	12	unit	<b>Mobile Pedestal Cabinet, Single-door cabinet with single drawer</b>
			Purpose: Laboratory storage cabinet
			Material: High quality galvanized steel sheet
			Surface: Electro sprayed 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
85	12	unit	<b>Microcentrifuge Rack with Cover, Reversible (2 mL/ 1.5 mL)</b>
			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
86	6	pack	<b>Floating Microtube Racks</b>
			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
87	12	unit	<b>Mortar and Pestle, Heavy Duty</b>
			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
88	6	pack	<b>Amber Injection Glass Vials with cover, 2mL</b>
			Screw top vial, 2 mL
			Amber, write-on spot with cover
			Autoclavable
			Compatible with Agilent HPLC Sampler
			Pack of 100 vials
89	6	pack	<b>Amber Injection Glass Vials with cover, 4mL</b>
			Screw top vial, 4 mL
			Amber, write-on spot with cover
			Autoclavable
			Compatible with Agilent HPLC

			Sampler
			Pack of 100 vials
90	4	pc	<b>Vortex Mixer, 220V QL-901, 2800RPM</b>
91	3	unit	<b>Liquid Nitrogen Storage/Transfer Vessel</b>
			N2 Transfer Vessel
			Capacity: 10L
			Lightweight aluminum dewars assure low-static evaporation rates
92	3	btl	<b>Potassium Hydroxide</b>
			☐Flakes
			☐Analytical Grade
			☐1kg
93	1	btl	<b>Potassium Hydrogen Phthalate (KHP)</b>
			☐(CAS 877-24-7)
			☐Powder
			☐500g
			☐Analytical Grade
94	1	btl	<b>Phenolphthalein Powder Indicator</b>
			☐Analytical Grade
			☐500 grams
			☐CAS 77-09-8
95	1	gallons	<b>Alcohol, Denatured</b>
96	3	pcs	<b>1000 ml Type 1, class A borosilicate glass Beaker</b>
97	1	pc	<b>Mortar and Pestle (small)</b>
98	1	pcs	<b>Lab Gown Long Sleeves L</b>
			☐Lab Coat High-quality White
			☐Size- Large; long sleeves
99	1	pack	<b>Laboratory Weighing Boats</b>
			Plastic, 100 mL
			at least 100 pcs. pack
100	1	gallon	<b>Ethanol</b>
			AR grade, 2.5L, at least 95% v/v
101	1	btl	<b>Sulfuric Acid</b>
			☐Analytical Grade (98%)
			☐2.5 Liters
			☐specific gravity 1.84
102	1	pcs	<b>Lab Gown Long Sleeves M</b>
			☐ Lab Coat High-quality White
			☐ Long sleeves
			☐ Medium Size
103	3	pcs	<b>Graduated Cylinder, Glass, 100mL</b>
			100mL capacity
			Type 1, Class A Borosilicate Glass
104	3	pcs	<b>Erlenmeyer Flask, Glass, 500mL</b>
			☐ 500mL capacity, borosilicate glass

105	4	pcs	<b>500 ml Type 1, class A borosilicate glass Beaker</b>
106	6	pcs	<b>250 ml Type 1, class A borosilicate glass Beaker</b>
107	3	pack	<b>Weighing Paper Sheet, Non-Absorbing</b>
			High-GlossPack of 500
108	3	pc	<b>Reagent Bottles</b>
			☐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
109	3	L	<b>Graduated Cylinder, Plastic, 1000mL</b>
			Plastic, 1000ml (1L) capacity for Particle Size Analysis
110	7	pc	<b>Solar Charge Controller</b>
			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
111	1	pack	<b>Watch Glass</b>
			☐Material: Glass/Borosilicate Glass
			☐Autoclavable: Yes
			☐Outer diameter: 75 mm (7.5cm),
			☐fits 250 mL beakers,
			☐12pcs/pack,
			☐good quality
112	6	pc	<b>Beaker, Glass, 250mL</b>
			☐Low Form Beaker
			☐Borosilicate Glass
			☐Transparent Beaker
			☐Thickened With Spout
113	6	pc	<b>Erlenmeyer Flask, Glass, 250mL</b>

			☐ Material: Borosilicate Glass	
			☐ Good Quality	
114	2	pc	<b>Brush for cleaning 250mL Erlenmeyer Flask</b>	
			☐Bristle Color: White Bristle	
			☐Brush+Handle Length: 12"	
			☐Brush Diameter: 1 3/8"	
			☐Brush Length: 3 1/2"	
			☐Suitable for cleaning 250mL Erlenmeyer Flask	
115	2	pc	<b>Reagent Bottle</b>	
			☐With Stopper/Screw Cap	
			☐Material: Glass/Borosilicate Glass	
			☐Color: Clear/Transparent Flask	
			☐Capacity: 2000mL	
			☐Graduation: 1800mL	
116	6	btl	<b>Labware Detergent or Laboratory Dishwashing Liquid</b>	
			☐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	



## ***Section VIII. Checklist of Technical and Financial Documents***

# Checklist of Technical and Financial Documents

## I. TECHNICAL COMPONENT ENVELOPE

### *Class “A” Documents*

#### Legal Documents

- ☐ (a) Valid PhilGEPS Registration Certificate (Platinum Membership) (all pages);  
**or**
- ☐ (b) Registration certificate from Securities and Exchange Commission (SEC), Department of Trade and Industry (DTI) for sole proprietorship, or Cooperative Development Authority (CDA) for cooperatives or its equivalent document,  
**and**
- ☐ (c) Mayor’s or Business permit issued by the city or municipality where the principal place of business of the prospective bidder is located, or the equivalent document for Exclusive Economic Zones or Areas;  
**and**
- ☐ (d) Tax clearance per E.O. No. 398, s. 2005, as finally reviewed and approved by the Bureau of Internal Revenue (BIR).

Note: If the bidder submits item (a), bidder may not submit requirements (b), (c) & (d).

#### Technical Documents

- ☐ (f) Statement of the prospective bidder of all its ongoing government and private contracts, including contracts awarded but not yet started, if any, whether similar or not similar in nature and complexity to the contract to be bid; **and**
- ☐ (g) Statement of the bidder’s Single Largest Completed Contract (SLCC) similar to the contract to be bid in the amount of *at least 25% of the ABC or at least Four Hundred Six Thousand Six Hundred Thirty-Five and 75/100 Pesos (PhP 406,635.75)*;  
**or**  
Statement of at least two (2) similar completed contracts, the aggregate amount of which should be equivalent to *at least 25% of the ABC or at least Four Hundred Six Thousand Six Hundred Thirty-Five and 75/100 Pesos (PhP 406,635.75)* and the largest of these similar contracts must be equivalent to at least half of the said aggregate amount or *at least Two Hundred Three Thousand Three Hundred Seventeen and 88/100 Pesos (PhP 203,317.88)*; **and**
- ☐ (h) Original copy of Bid Security. If in the form of a Surety Bond, submit also a certification issued by the Insurance Commission;  
**or**  
Original copy of Notarized Bid Securing Declaration; **and**
- ☐ (i) Conformity with the Technical Specifications; **and**
- ☐ (j) Schedule of Requirements/production and delivery schedule; **and**
- ☐ (k) Manpower requirements; **and**
- ☐ (l) After-sales service/parts; **and**

- ☐ (m) Original duly signed Omnibus Sworn Statement (OSS); **and** if applicable, Original Notarized Secretary's Certificate in case of a corporation, partnership, or cooperative; or Original Special Power of Attorney of all members of the joint venture giving full power and authority to its officer to sign the OSS and do acts to represent the Bidder.

Financial Documents

- ☐ (n) The Supplier's audited financial statements, showing, among others, the Supplier's total and current assets and liabilities, stamped "received" by the BIR or its duly accredited and authorized institutions, for the preceding calendar year which should not be earlier than two (2) years from the date of bid submission; **and**
- ☐ (o) The prospective bidder's computation of Net Financial Contracting Capacity (NFCC) – at least equal to ABC (**PhP 1,626,543.00**);  
**or**  
A committed Line of Credit from a Universal or Commercial Bank in lieu of its NFCC computation (at least 10% of ABC or **PhP 162,654.30**).

**II. FINANCIAL COMPONENT ENVELOPE**

- ☐ (a) Original of duly signed and accomplished Financial Bid Form; **and**
- ☐ (b) Original of duly signed and accomplished Price Schedule(s).

**Guidelines on the Preparation of Electronic Bid (e-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:

<b>Document</b>	<b>Filename (in PDF form)</b>
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 (December 2, 2021; 8:30 AM).



**VISAYAS**  
STATE UNIVERSITY

