



VISAYAS
STATE UNIVERSITY

PHILIPPINE BIDDING DOCUMENTS

(As Harmonized with Development Partners)

Supply and Delivery of Laboratory Equipment and Supplies (GOODS-22-51)

Government of the Republic of the Philippines

**October 17, 2022; 9:00 AM
PPO Conference Room, Lower Campus, Visca, Baybay City,
Leyte and via Zoom**

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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 EQUIPMENT AND SUPPLIES

1. The *Visayas State University* through the *GF, STF, TF* intends to apply the sum of *One Million Seven Hundred Fifteen Thousand Five Hundred Twenty-Eight and 88/100 Pesos (PhP 1,715,528.88)* being the ABC to payments under the contract for *Supply and Delivery of Laboratory Equipment and Supplies (GOODS-22-51)*. Bids received in excess of the ABC shall be automatically rejected at bid opening.

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

Item No.	Description	Unit	Qty	ABC/Unit (Pesos)	Total ABC (Pesos)
1	16 in 1 Drinking Water Test Kit	kit	3	2,000.00	6,000.00
	Professional Hardness Testing Kits, Tap and Well Water Test Strips with Hardness, PH, Mercury, Lead, Iron, Copper, Chlorine, Chromium/Cr, Cyanuric Acid				
2	22 mm x 22 mm cover slip (0.13- 0.16 mm thickness) at least 72 pcs. per box	boxes	2	500.00	1,000.00
3	3 layer Non-woven surgical face mask, at least 50 pcs. per box	boxes	20	200.00	4,000.00
4	3.5 Mm Gloves Grey M	pairs	2	1,600.00	3,200.00
	<ul style="list-style-type: none"> ☐ 5 finger neoprene gloves ultraspan in addition to the already full range of gloves cressi. ☐ For this particular model have been studied as important as the depth of the fingers, perfect closing of the wrist, not through seams. ☐ 100% Neoprene. ☐ Gloves. ☐ Made from 3,5 mm neoprene ultra. 				
5	95% Ethyl Alcohol, Technical Grade (Gallon)	gallon	30	800.00	24,000.00
6	Absolute Ethanol - 99.5%	btls	1	5,000.00	5,000.00
	Purity (GC): ≥ 99.5 %; 1 bottle contains 1 liter				
	Purity (GC): ≥ 99.5 %; 1 bottle contains 1 liter				
7	Absolute Methanol - 99.5%	btl	1	5,000.00	5,000.00
8	Acetone	gal	1	1,600.00	1,600.00
	<ul style="list-style-type: none"> ☐ Technical Grade ☐ 1 gal 				
9	Activated Charcoal suitable for plant cell and tissue culture (5g) 5 grams	gms	1	2,500.00	2,500.00
10	Agar Agar	kilos	3	2,800.00	8,400.00
11	Agar for plant cell and tissue culture 500 grams;	500gms	5	6,000.00	30,000.00
12	Agar Powder for plant tissue culture, 1kg;	btl	1	1,400.00	1,400.00
13	Alcohol Burner	btl	4	170.00	680.00
	☐ Burner Lamp				

	☑Clear Glass Lab				
	☑150mL				
14	Alcohol, Denatured	gallons	5	600.00	3,000.00
15	Alcohol, Ethyl	L	20	130.00	2,600.00
16	Alcohol, Ethyl, 95% (Tech)	liters	14	350.00	4,900.00
17	Ammonia, NH3	btls	1	2,600.00	2,600.00
	Concentrated, Analytical reagent grade, 2.5L/bottle				
18	Ammonium nitrate (NH4NO3) suitable for plant cell and tissue culture	kgs	3	5,000.00	15,000.00
19	Ammonium Sulfate, 500g/btl.	btl	1	650.00	650.00
	☑Anhydrous				
	☑Lab grade/ Analytical reagent grade				
	☑Expiration date (3 years from the delivery date)				
	☑Packed in Teflon bottles				
20	Analytical Balance (500/0.001 g)	pc	1	14,950.00	14,950.00
21	Anemometer (8 in 1)	unit	1	5,000.00	5,000.00
	☑Anemometer (8 in 1 LCD Digital Anemometer Wind Speed Temperature Humidity Altitude Tester)				
	☑Material: ABS				
	☑Model: TL-303				
	☑Color: Black				
	☑Power Supply: 300mAh Rechargeable Lithium Polymer				
	☑Power Supply Model: 602030				
	☑Wind Speed Range: 0-30m/S; 0-5860ft/Min; 0-55 or 0-90km/H; 0-65 Miles				
	☑Resolution: 0.1 M/S; 19ft/Min; 0.2 Knots; 0.3km/H; 0.2 Miles/Hour				
	☑Accuracy: ±5%				
	☑Cold Wind Range: -40-10°C (0-30m/S); -49-50°F (0-65mph)				
	☑Resolution: 0.1°C; 0.1°F				
	☑Accuracy: ±1°C; ±1.8°F				
	☑Temperature Range: -29-70°C; -20-158°F				
	☑Resolution: 0.1°C; 0.1°F				
	☑Accuracy: ±1°C; ±1.8°F				
	☑Relative Humidity Range: 0-100%RH				
	☑Resolution: 0.1%RH				
	☑Accuracy: ±3%RH				
	☑Thermal Index Range: 21.1-54.4°C (0-100%RH); 70-130°F (0-100% Relative Humidity)				
	☑Resolution: 0.1°C; 0.1°F				
	☑Accuracy: ±2°C; ±3.6°F				
	☑Dew Point Range: -29-70°C; -20-158°F				
	☑Resolution: 0.1°C; 0.1°F				
	☑Accuracy: ±2°C; ±3.6°F				
	☑Air Pressure Range: 10-1100hpa; 10-1100mbar; 0.29-32.48 Inches				
	☑Resolution: 0.1hpa; 0.1mbar; 0.01kpa				
	☑Accuracy: ±1.5hpa; ±1.5mbar; ±0.05in measuring column Altitude Range: -700-9000m; -6000-300ft				
	☑Resolution: 1m; 1ft				
	☑Accuracy: ±12m; ±50ft				
	☑Size: Approx. 120x50x25mm / 4.7x2.0x1.0inWeight: Approx. 229g / 8.1oz				
	☑Package List:				
	☑1 x Anemometer1 x USB Cable1 x Bag1 x Hanging Rope1 x Manual				

22	Anhydrous Sodium Sulfate, AR	btl	1	2,000.00	2,000.00
	Analytical grade				
	Anhydrous				
	Powder form				
	Size: 500g per bottle				
23	Ascorbic acid	btl	1	1,800.00	1,800.00
	■Analytical reagent grade, crystalline powder, 25 g/bottle				
24	Autoclave Tape	pcs	2	450.00	900.00
	turns black at 250°F,				
	width - ¾ inch				
	length- minimum of 60 yards				
25	Barfoed's Reagent Solution 1000mL	btls	1	400.00	400.00
	Technical Reagent Grade 1000mL per bottle				
26	Bcd Black - Large	unit	2	13,000.00	26,000.00
	Scuba BCD offers unparalleled comfort, security and excellent lift capacity for an even more enjoyable dive . Description: Scuba BCD offers unparalleled comfort, security and excellent lift capacity for an even more enjoyable dive. Features: Excellent lift capacity Light, strong and durable denier 420 Improved fit: Swiveling buckles, shoulders, low-cut aircell SLS integrated weight system 3-dimensional zippered self-draining pockets 2 rear trim weight pockets Reduced weight: Travel friendly				
27	Beaker, Glass, 1000mL	pc	5	1,000.00	5,000.00
	■1000mL capacity, borosilicate glass;				
28	Beaker, Glass, 500mL	pc	5	1,000.00	5,000.00
	■500mL capacity, borosilicate glass;				
29	Benedict's Solution 1000mL	btls	3	400.00	1,200.00
	Technical Reagent Grade 1000mL per bottle;				
30	Benzylaminopurine (BAP) suitable for plant cell and tissue culture (5g)	btl	3	4,000.00	12,000.00
	5 grams;				
31	Bleach, liquid, 99.9% antibac, 1 gallon	gallon	1	450.00	450.00
32	Blood Agar Base	btl	1	4,000.00	4,000.00
	Enrichment medium and used for the hemolysis test.supplied in 500g/bottle				
33	Boric acid (H3BO3) suitable for plant cell and tissue culture	btl	1	1,000.00	1,000.00
	molecular weight: 61.83; 500 grams;				
34	Brain Heart Infusion Broth, 500g	btl	1	3,000.00	3,000.00
35	Brilliant Green Agar	btl	1	9,000.00	9,000.00
	■Salmonella selective medium				
	■500g per bottle				
36	Buffer solution, pH 7, 1000 ml.	btl	2	1,000.00	2,000.00
37	Buffer solution, pH 9, 1000 ml.	btl	1	1,000.00	1,000.00
38	Burette clamp	pc	1	1,510.00	1,510.00
	■Good Quality				
	■Double Burette Clamp				
	■Can Hold 50mL Burette				
39	Burette with Glass Stopcock	pc	1	4,000.00	4,000.00
	■Burette with Glass Stopcock				
	■Material: Glass/Borosilicate Glass				
	■Capacity: 50mL				
	■For Acid				
40	Calcium Chloride	btls	1	1,500.00	1,500.00
	■AR grade; 500g				

41	Calcium Chloride (CaCl ₂) suitable for plant cell and tissue culture	btl	2	1,600.00	3,200.00
	Dried				
	1.5-2.5mm				
	Molecular Weight: 246.47				
	500grams				
42	Campylobacter Selective Agar + Supplement, 500g	btl	1	17,000.00	17,000.00
43	Canada Balsam, for microscopy, 100ml	btl	2	1,800.00	3,600.00
44	Capillary Clay Sealer/wax	L	5	259.20	1,296.00
	Its a Clay Sealant and Specimen Holding Tray				
	Clay sealant and 24-place holding tray for all types of microhematocrit capillary tubes.				
	This capillary tube sealing tray contains a unique wax compound that quickly forms a leak-tight seal. Non-toxic, non-drying and non-hardening, the sealant is formulated to withstand centrifugation. There is no need for plastic caps or heat sealing. The tray has 24 numbered places for easy patient identification.				
	A hard, brittle wax orange in color useful for sealing crystals in glass capillaries. When applied properly, Capillary Wax will provide an airtight seal. Also referred to as sticky wax even though it is not sticky at room temperature.				
45	Carmine Powder, AR, 25g/btl	btl	1	2,000.00	2,000.00
	Carmine powder is a red compound used for staining.				
46	Centrifuge Rack, Multifunction	unit	5	750.00	3,750.00
	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				
47	Chloroform 2.5L	btl	2	1,500.00	3,000.00
	Analytical Reagent Grade 2.5L per bottle				
48	Cobalt chloride (CoCl ₂ , 6H ₂ O) suitable for plant cell and tissue culture	btl	1	1,600.00	1,600.00
	■Molecular weight: 249.6				
	■500g				
49	Compound Binocular Microscope	piece	1	32,000.00	32,000.00
	Head: 45° Inclined Binocular, 360° rotation				
	Eyepiece: 10x Wide Field Eyepiece				
	Nosepiece: 4 Position				
	Optical Magnification Range: 40 to 1000x				
	Objectives: 4x, 10x, 40x, 100x				
	- Achromatic Optics				
	Mechanical Stage/ Slide Holder: 5.5 x 5.5 inches				
	Focusing: Coarse and Fine				
	Illumination: Halogen Illumination				
	Dimmer: Yes				
	Body Frame: Metal frame with Gray Finish				
	Weight: Approximately 12.3 lb / 5.5 kg				
50	Copper sulfate, CuSO ₄	btl	1	1,800.00	1,800.00
	■Anhydrous, Analytical reagent grade, 500g/bottle				
51	Cryogenic Boxes	pcs	3	600.00	1,800.00
	Cryogenic boxes w/ dividers, plastic, 9x9 or 10x10, transparent, for 1.5/2.0mL tubes, 81-100 wells, natural color, w/ hinge and snap clasp, autoclavable				
52	Cryovial External Thread	unit	2	6,000.00	12,000.00

	Cryovial external thread, 1.8ml, 500s;				
53	Cupric sulfate (CuSO ₄ , 5H ₂ O) suitable for plant cell and tissue culture	btl	1	1,600.00	1,600.00
	500 grams;				
54	Cyclohexene	btl	1	3,187.00	3,187.00
	Analytical Reagent Grade 2.5L per bottle				
55	Cysteine	btl	1	5,000.00	5,000.00
	analytical reagent grade 25g per bottle				
56	Decarboxylase broth base	btl	1	1,945.68	1,945.68
	A 500g Medium employed to serve the purpose of differentiating bacteria on the basis of their ability to decarboxylate the amino acids.				
57	Digital PH TDS EC Meter kit	kit	4	500.00	2,000.00
	☑ Digital pen style pH meter				
	☑ TDS meter tester				
58	Digital Weighing Scale- 0.01-5kg	unit	1	13,000.00	13,000.00
	☑ Capacity: 0.01g to 5kg				
	☑ Type: Laboratory Balance				
	☑ Power Supply: 100-240V/50-60H				
	☑ Size: 320*205*100mm				
59	Disposable Gas Generator Envelopes	boxes	1	20,000.00	20,000.00
	☑ Anarobic and CO ₂ indicator				
	☑ for GasPak system				
	☑ 10 foil envelopes per box				
60	DNA extraction kit	set	1	25,000.00	25,000.00
	☑ Extract genomic DNA from different samples (e.g., manure, blood, tissue).				
	☑ Silica-gel membrane-based spin-column technology				
	☑ All buffers, elution water, and microtubes included.				
	☑ =>50 DNA preparations				
61	DNA Ladder	Vial	1	15,000.00	15,000.00
	DNA Ladder 50bp, 50 µg, with loading dye				
62	DNA Ladder 100Bp	Vial	1	9,200.00	9,200.00
	DNA Ladder 100bp, for at least 50 lanes, with loading dye				
63	Driver Dive Computer	pcs	2	9,800.00	19,600.00
	☑ All the main infos on the same screen: dive and Ascent speed, temperature, dive time and surface time, depth				
	☑ Setting for Fresh or salt water				
	☑ Most function to calculate the minimum surface recovery time and rehydration alert				
	☑ Users can deactivate all the light and sound alerts, while maintaining the continuous control of the dive profile on the display				
	☑ Extensive Logbook memory divided into downloadable sessions and individual dives				
64	EDTA 2ml (Collection tube for Complete Blood Count)	packs	2	1,100.00	2,200.00
65	Eosin Methylene Blue Agar	btls	1	4,000.00	4,000.00
	☑ Agar powder				
	☑ Culture media				
	☑ 500 g per bottle				
66	Ethanol	gallon	5	1,200.00	6,000.00
	AR grade, 2.5L, at least 95% v/v				
67	Ethanol Absolute	btl	5	2,500.00	12,500.00
	2.5 Liters/ bottle;				
68	Ethylenediaminetetraacetic acid disodium salt (Na ₂ -EDTA) suitable for plant cell and tissue culture	btl	2	1,500.00	3,000.00

	500 grams;				
69	Ferrous sulfate (FeSO ₄ , 7H ₂ O) suitable for plant cell and tissue culture	btl	2	1,000.00	2,000.00
	500 grams;				
70	Filter Paper	box of 50's	1	2,000.00	2,000.00
	☑Filter Paper No.1				
	☑Qualitative Circles 125mm (12.5cm)				
	☑Qty/box: 100 pieces per box				
	☑Porosity: Medium				
	☑Flow Rate: Medium				
71	Filter paper Grade 41	boxes	2	3,000.00	6,000.00
	☑Parameters: Grade 41 Fast ashless filter paper, 125 mm circle (100 pcs.).				
	☑Grade: Grade 41				
	☑Format: Circles				
	☑Type: Ashless				
	☑Typical Particle Retention in Liquid: 20 micron				
	☑Nominal basis weight: 85 g/m squared				
	☑Typical water flow rate: 254 ml/min				
	☑Nominal air flow rate: 4 s/100 mL/square inch				
	☑Nominal as Content 0.007%				
	☑Material: High quality cotton linters				
	☑alpha Cellulose Content Min.: >97%				
72	Finepoint High Precision Forceps	pcs	2	300.00	600.00
	☑Tip Style: Fine				
	☑Material: Stainless Steel				
	☑Length 4.5"				
73	Fire Extinguisher, HCFC-123, 10lbs (new)	unit	8	7,000.00	56,000.00
	SAFETY EQUIPMENT AND DEVICES				
	Clean Agent				
	BPS Certified,				
	HCFC-123,				
	with Free Wall Bracket,				
	BFP Approved				
	10lbs capacity tank				
	with pressure gauge				
	Nozzle and handle				
74	Fructose	btl	1	1,000.00	1,000.00
	Analytical Reagent Grade, 500g per bottle				
75	Genomic DNA Extraction Kit	kit	1	25,000.00	25,000.00
	☑Extract genomic DNA from different samples (e.g., manure, blood, tissue).				
	☑Silica-gel membrane-based spin-column technology				
	☑All buffers, elution water, and microtubes included.				
76	Giemsa stain set	btls	3	2,826.00	8,478.00
	Diagnostic reagents, packaging 1bx or set Giemsa 500ml, Buffer for Giemsa 500 ml				
77	Glacial Acetic Acid	btl	1	3,500.00	3,500.00
	☑Analytical Reagent grade 2.5L per bottle				
78	Glass Staining Block with Cover	pcs	3	1,600.00	4,800.00
	☑Clear polished glass				
	☑Cavity 30mm diameter x 6mm deep				
	☑Complete with flat glass cover				
	☑40mm square to minimize evaporation				
79	Glassware Vacuum Filtration Memne Buchner Funnel Flask Apparatus Kit	set	2	5,000.00	10,000.00
	Glassware Vacuum Filtration Memne Buchner Funnel				

	Flask Apparatus Kit with Manual Pump and MCE Filter				
	- Materials: borosilicate glass, rubber, aluminum, abs				
	- Diameter of Sand Cone: 40mm, 40mm is also the inner diameter of the filter joint. So you have to choose the membrane filters of larger size than Diam. 40mm.				
	- Filter Flask Capacity: 500ml or 1000ml				
	- Graduated Funnel Capacity: 300ml (50mL graduations for quick, easy measurement)				
	- Funnel Top Diameter: 8cm; the filter is 12cm high.				
	- Funnel Top Volume: 300ml				
	- Membrane diameter: 50mm				
	- Membrane filter size: 0.22/0.45um				
	- Manual Pump: ABS material, -600mm Hg.				
80	Gloves, Nitrile, Large	box of 50's	14	1,500.00	21,000.00
	☐Glove Type: Chemical Resistant Disposable Gloves				
	☐Glove Material: Nitrile				
	☐Powder-Free				
	☐1 box of 100 or 50 pairs				
	☐Food Safe				
	☐Size: large				
81	Gloves, Nitrile, Medium	box of 50's	9	1,500.00	13,500.00
	☐Glove Type: Chemical Resistant Disposable Gloves				
	☐Glove Material: Nitrile				
	☐Powder-Free				
	☐1 box of 100 or 50 pairs				
	☐Food Safe				
	☐Size: Medium				
82	Gloves, Nitrile, Small	box of 50's	7	1,500.00	10,500.00
	☐box or 100-50 pairs, small				
	☐natural rubber latex-free, powderless				
	☐micro grip				
83	Glycerol	btl	1	8,450.00	8,450.00
	☐Molecular biology grade, ≥99.0% assay quality				
	☐Suitable for cell culture, insect cell culture, and electrophoresis				
	☐Dnase-free, Rnase-free, NICKase-free, and protease-free				
	☐Liquid form				
	☐Bottle of 500mL				
84	Glycine	btl	2	7,400.00	14,800.00
	☐Molecular biology, ≥99.0% assay quality				
	☐Suitable for protein analysis, SDS-PAGE and Western blot				
	☐DNases and Rnases free				
	☐Phosphatases and proteases free				
	☐Crystalline form				
	☐Bottle of at least 500g				
85	Gowers diluting fluid	btl	1	650.00	650.00
	contents 500 ml RBC diluents used to count RBC				
86	Gram Stain	btl	3	2,826.00	8,478.00
	Diagnostic Reagents :Packaging Box/set Grams Grams Crystal violet 500 ml, Grams Iodine 500 ml, Grams stain decolorizer, Safranin 500 ml				
87	Hand Soil Auger	unit	1	3,500.00	3,500.00

	Material: stainless steel				
	Auger length: 25cm				
	Length: 0.5m				
	External Diameter: 38mm				
88	herbarium sheet 42 x 29cm	per 100 pcs.	2	2,000.00	4,000.00
	color: white				
89	Histidine	btl	1	2,000.00	2,000.00
	Analytical Reagent Grade 25g per bottle				
90	Hydrochloric Acid	btl	1	600.00	600.00
	AR grade				
	2.5 liter/btl.				
	36.5-38%				
	impurities <1ppm free chlorine				
91	Hydrochloric acid, HCl	btls	1	1,000.00	1,000.00
	Analytical reagent grade, concentrated, 2.5L/bottle				
92	Indoleacetic acid (IAA) suitable for plant cell and tissue culture (5g)	btl	3	3,500.00	10,500.00
93	indolebutyric acid (IBA)	gms	3	3,500.00	10,500.00
	Suitable for plant tissue culture 5 gms.				
94	Infrared Loop sterilizer	L	1	6,297.60	6,297.60
	Infrared Loop Sterilizer DS900,220v laboratory electric heating high temperature, disinfection infra-red sterilizer, used to disinfect or sterilize inoculating loops/needles for isolating microorganisms				
95	Inoculating Loop Stainless Steel	pack of 10's	2	1,200.00	2,400.00
	10PCS 1-6mm Inoculation Loop Nichrome Wire Lab Bacteria Culture Microbiology				
96	Iron Chloride, Analytical Grade, 500g/btl	btl	1	1,500.00	1,500.00
	AR grade, 500 g per bottle				
97	Isopropyl alcohol	btl	1	7,000.00	7,000.00
	(CAS 67-63-0)				
	2 liters,				
	Anhydrous,				
	99.5%,				
98	Kinyoun's Carbol-fuchsin stain	btl	1	8,000.00	8,000.00
	For Cryptosporidium modified acid-fast staining procedures.				
	1 bottle contains 500 mL				
99	Lab Gown Long Sleeves L	pcs	2	500.00	1,000.00
	Lab Coat High-quality White				
	Size- Large; long sleeves				
100	Lab Gown Long Sleeves M	pcs	2	500.00	1,000.00
	Lab Coat High-quality White				
	Long Sleeves				
	Medium size				
101	Laboratory Burette Stand	pc	1	1,000.00	1,000.00
	Standard laboratory burette stand				
	Good quality White PE Burette Stand				
	Heavy duty white polyethylene burette stand comes with a polyethylene coated metal rod which screws into the base.				
	Whichever is available, with the hole in the center (center weighted) or at the short edge (edge weighted) as long as the 3 burette stands are the same (ex. if center weighted, then all 3 should be center weighted).				
102	Lens Tissues, 25 Sheets per Booklet, 5 Booklets	packs	1	800.00	800.00

103	Litmus Milk medium	btl	1	5,913.60	5,913.60
	A bottle containing 500g powdered, used to determine the action of bacteria in Milk and in acidic or alkaline environment				
104	Loading Dye for Electrophoresis	Vial	1	3,100.00	3,100.00
	Loading Dye for Electrophoresis, (2-3 colors) 6x min. concentration, at least 3ml volume PER VIAL				
105	Lugol's Solution	btl	3	1,500.00	4,500.00
	Lugol's Solution 1 li/bottle;				
106	MacConkey Agar	btl	1	10,000.00	10,000.00
	selective medium				
	aids in identifying non-lactose fermenters (transparent or cream colonies) and lactose fermenter (red to pinkish colonies)				
	supplied in 500g/bottle				
107	Magnesium Carbonate 500 grams	500gms	1	2,500.00	2,500.00
	analytical grade;				
108	Magnesium chloride, MgCl ₂	btl	1	3,000.00	3,000.00
	■1kg per bottle				
	■colorless crystalline solid				
	■Properties:				
	◀Quality Level: 300				
	◀Grade: anhydrous				
	◀Assay: ≥98%				
	◀Form: powder				
	◀Impurities: ≤0.5% Insolubles				
	◀bp: 1412 °C/1 atm (lit.)				
	◀mp: 714 °C (lit.)				
	◀Density: 2.32 g/mL at 25 °C (lit.)				
109	Magnesium Sulphate (MgSO ₄ .7H ₂ O) suitable for plant cell and tissue culture	btl	2	1,100.00	2,200.00
	Wt. 169.01				
	Colourless efflorescent crystals				
	500 grams				
110	Malachite green stain	btl	1	2,000.00	2,000.00
	■Use as a counterstain of Ziehl-Neelsen and Kinyoun staining.				
	■1 bottle contains 500 mL				
	■Laboratory grade				
111	Manganese Chloride, Analytical Grade, 500g/btl	btl	1	1,500.00	1,500.00
	■AR grade, 500g per bottle;				
112	Manganese sulfate (MnSO ₄ , H ₂ O) suitable for plant cell and tissue culture	btl	1	1,100.00	1,100.00
	500 grams				
113	Manual Oil Press Machine	pc	1	14,500.00	14,500.00
	Manual oil press extractor machine Specification:				
	Raw material: peanut, seeds, nuts				
	Type: manual model				
	Weight: 3kg				
	Size: 39*9*30cm				
	Oil press machine Raw Material:				
	suitable for most of the oil content is more than 25% of the oil crops, such as peanut, sunflower seed, tea seed, sesame seed, walnut, olive, coconut oil, flax seed, etc				
114	Manual Pipette Pump	pcs	5	700.00	3,500.00
	Manual Pipette Pump (plastic), w/ fast release lever/button (2ml)				

115	Manual Pipette Pump - 10ml	pcs	3	700.00	2,100.00
	Manual Pipette Pump (plastic), w/ fast release lever/button (10ml)				
116	Manual Pipette Pump- 25ml	pcs	2	700.00	1,400.00
	Manual Pipette Pump (plastic), w/ fast release lever/button (25ml)				
117	Masking tape, autoclavable, for laboratory use	rolls	1	450.00	450.00
	1" wide x 55m length;				
118	MASTER-RI Refractometer	pc	1	14,000.00	14,000.00
	Scale Range: Refractive index 1.435 to 1.52				
	Minimum Scale: Refractive index 0.001				
	Size & Weight: 1.26 x 1.34 x 6.61in (3.2 x 3.4 x 16.8cm), 4.59oz (130g)				
	Optional: Standard liquid LK: RE-99010, Daylight plate for small volume samplings for MASTER series: RE-2311-58M (Except viscosity sample), Calibration Certificate: NIST-traceable certificate. This will increase the lead time of the order by 2 to 3 weeks.				
	Parts: Daylight plate for MASTER series: RE-2311-57M				
119	Membrane Filter	boxes	2	3,000.00	6,000.00
	☐Mixed cellulose esters (MCE) membrane				
	☐Naturally hydrophilic				
	☐Pore size: 0.22µm-3µm,				
	☐Diameter: 50mm				
	☐1 box with atleast 100 pcs				
	☐non-sterile				
120	Mesh Filter Cloth	pcs	3	300.00	900.00
	☐Color: White.				
	☐Material: Nylon				
	☐Mesh: 200 mesh				
	☐Size: 1m x 1m/39.4"m x 39.4"				
121	Methanol 2.5L	btl	1	1,200.00	1,200.00
	Analytical Reagent Grade 2.5L per bottle;				
122	Microcapillary tube	btl	10	240.00	2,400.00
	diagnostic purposes : blue capillary tube heparinized, 1 barrel/tube/ contains 100 tubes				
123	Microcentrifuge Rack with Cover, Reversible (2 mL/ 1.5 mL)	unit	5	850.00	4,250.00
	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				
124	Microscope Slides and cover slips	boxes	6	370.00	2,220.00
	☐Pre-Cleaned Blank slides with 50pcs./box 22 x 22 mm square Cover Slip				
125	Microtube Storage Boxes	packs	1	3,500.00	3,500.00
	☐100-Well Microtube Storage Boxes.				
	☐For 1.5-2.0 mL microtubes storage.				
	☐Pack of 5				
	☐Ideal for laboratory storage at -80 degree celcius				
126	MINDRAY HEMATOLOGY REAGENTS for" Mindray model (BC-2800 Veterinary Auto Hematology Analyzer)"	sets	1	45,000.00	45,000.00
	☐REAGENTS for" Mindray model (BC-2800 Veterinary				

	Auto Hematology Analyzer)"				
	☐1 unit M30 Diluent 20 Lit.				
	☐1 unit M30 Rinse 20 Lit.				
	☐1 unit M30 CFL Lyse 500ml				
	☐1 unit M30 EZ Cleanser 100ml				
	☐1 unit M30 Probe Cleanser 50ml				
	☐NOTE: EXCLUSIVE REAGENT FOR MINDRAY MODEL BC-2800 VET. AUTO				
126	MINDRAY HEMATOLOGY REAGENTS for" Mindray model (BC-2800 Veterinary Auto Hematology Analyzer)"	sets	1	45,000.00	45,000.00
	☐REAGENTS for" Mindray model (BC-2800 Veterinary Auto Hematology Analyzer)"				
	☐1 unit M30 Diluent 20 Lit.				
	☐1 unit M30 Rinse 20 Lit.				
	☐1 unit M30 CFL Lyse 500ml				
	☐1 unit M30 EZ Cleanser 100ml				
	☐1 unit M30 Probe Cleanser 50ml				
	☐NOTE: EXCLUSIVE REAGENT FOR MINDRAY MODEL BC-2800 VET. AUTO				
127	Molybdic acid (sodium salt) (Na ₂ MoO ₄ , 2H ₂ O) suitable for plant cell and tissue culture	btl	1	2,200.00	2,200.00
	500grams, AR;				
128	Myo-inositol suitable for plant cell and tissue culture (100gms)	btl	4	2,000.00	8,000.00
129	Naphthaleneacetic Acid, 5g	btl	1	3,400.00	3,400.00
	☐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				
130	Nicotinic acid suitable for plant cell and tissue culture (100g)	btl	1	3,000.00	3,000.00
131	Nutrient Agar, 500g	btl	1	6,000.00	6,000.00
132	Nutrient Gelatin, 500g;	btl	1	7,000.00	7,000.00
133	Ordinary Vernier Caliper	pc	2	110.00	220.00
	☐Plastic material				
	☐Up to 150mm measuring range				
	☐accuracy atleast 1mm				
	☐double scale measurement				
	☐no battery				
	☐Ultra precision and effortless operation.				
134	Paraffin Wax	bag	1	4,000.00	4,000.00
	☐Form: pellets, white				
	☐Ign residue: ≤0.05%				
	☐Melting point: 43-95 degrees celsius				
	☐Solidification point: 54-56 degree celcius 1kg per bag				
135	Paraffin, Tissue Embedding Medium, Kg	pack	6	1,500.00	9,000.00
	Tissue Embedding Wax, Medium				
	Pure Paraffin wax with Added Polymer for precise embedding and sectioning				
136	Parafilm M PM-996 All Purpose Laboratory Film Parafilm sealing film 4 x 125ft	roll	1	2,500.00	2,500.00
137	Paraformaldehyde	btl	1	8,750.00	8,750.00

	☑Reagent or analytical grade				
	☑For use in the preparation of formalin fixatives for tissues or cells when the samples are to be used in fluorescence studies				
	☑Crystalline form				
	☑Bottle of 25g				
138	Pasture Pipette	pieces	100	5.00	500.00
	☑Pasture pipette, durable glass, 2 ml capacity, straight tip				
139	Petroleum Ether, AR	gallon	1	3,500.00	3,500.00
140	pH Meter pen type	pcs	2	2,500.00	5,000.00
	☑0.1 pH resolution				
	☑water-resistant/proof				
141	Phosphate Buffered Saline (PBS)	btls	1	5,000.00	5,000.00
	☑10x concentrate				
	☑pH 7.4.				
	☑Contains 100mM phosphate buffer, 27mM potassium chloride and 1.37M sodium chloride.				
	☑1 bottle contains 500 mL				
	☑Laboratory grade				
142	Plastic test tube rack 4 holes holder	pcs	4	150.00	600.00
	Condition: 100% Brand New				
	Quantity: 1 Pc				
	Size app: 18cmx4cmx6.5cm, hole diameter: app 3cm				
	Material: Plastic				
	Color: Blue				
143	Polymerase Chain Reaction Master Mix	kit	1	4,000.00	4,000.00
	Polymerase Chain Reaction Master Mix, 100 x 50 µl reactions				
144	Polymerase Chain Reaction Tubes	pack	1	5,000.00	5,000.00
	0.2ml 12 Strips Polymerase Chain Reaction Tube w/ cap, 125 pcs/pack, round caps				
145	Polymerase Chain Reaction Tubes Rack	pcs	1	3,500.00	3,500.00
	Polymerase Chain Reaction Tubes rack (for storage)(w/ removable hinged lid), accommodatesaccommodates 168 x 0.2 mL + 12x 1.5ml OR 40 x 0.5 mL + 12x 1.5ml tubes. pack of 5				
146	Potassium Bromide	btl	1	2,066.00	2,066.00
	☑Anhydrous				
	☑Lab grade/ Analytical reagent grade				
	☑Expiration date(3 years from the delivery date)				
	☑Packed in Teflon bottles				
147	Potassium Chromate	btl	1	1,050.00	1,050.00
	☑Anhydrous				
	☑Lab grade/ Analytical reagent grade				
	☑Expiration date(3 years from the delivery date)				
	☑Packed in Teflon bottles				
148	Potassium Iodate 500g	500gms	1	7,000.00	7,000.00
	Analytical grade;				
149	Potassium iodide (KI) suitable for plant cell and tissue culture	btl	1	5,000.00	5,000.00
	Molecular weight 166; 500 grams;				
150	Potassium iodide (KI) suitable for plant cell and tissue culture	btl	1	2,200.00	2,200.00
	Molecular weight 166; 500 grams;				
151	Potassium Nitrate (KNO ₃) suitable for plant cell and tissue culture	kgs	3	5,500.00	16,500.00
	1 kilogram of Potassium Nitrate;				

152	Potassium Phosphate (KH ₂ PO ₄) suitable for plant cell and tissue culture 500 grams	btl	3	1,200.00	3,600.00
153	Potato Dextrose Agar (PDA), 500 grams	btl	2	4,500.00	9,000.00
154	PPE Medical Grade Coverall Suit	set	2	300.00	600.00
	☑Free size (best fit Small to XL)				
	☑Microfiber and Tafetta Water Repellant				
	☑Washable and Reusable				
	☑Garterized hood, cuffs, ankle and waist				
	☑Lightweight				
155	Primer for Campylobacter	Ampule	1	10,000.00	10,000.00
	☑Forward-reverse primer for Campylobacter				
	☑Ampule				
156	Primer for E.coli O157H7	Ampule	1	10,000.00	10,000.00
	☑Primers, forward and reverse oligonucleotides for stx1 and stx 2 of E. coli O157H7				
	☑Ampule				
157	Primer invA for Salmonella	Ampule	1	10,000.00	10,000.00
	☑Primer, oligonucleotides forward and reverse for invA of Salmonella				
	☑Ampule				
158	Primer sets for qPCR	sets	2	5,000.00	10,000.00
	Paid services to synthesize, pack the lyophilized primers, and send them to the end user				
159	Pyridoxine.HCl suitable for plant cell and tissue culture(25g)	btl	1	4,900.00	4,900.00
160	Rappaport Vasiladis, 500g	btl	1	4,500.00	4,500.00
161	Resealable Plastic Bag, Large	pack	1	500.00	500.00
	☑resealable pastic bag, zip lock, 340 mm x 450 mm (13" x 18"), 100 pcs per pack				
162	Resealable Plastic Bag, Medium	pack	1	150.00	150.00
	resealable plastic bag, zip lock, 140 mm x 200 mm (5 1/2" x 7 1/2"), 100 pcs per pack				
163	Resorcinol, AR, 250 grams	btl	1	2,600.00	2,600.00
164	Rose Bengal (for Biological Stain)	btl	1	3,000.00	3,000.00
	Appearance: Dark to reddish brown colored powder				
	Compositon: Dye content, greater than or equal to 80%				
	Solubility (1mg/mL in water): Clear to slightly hazy red color solution				
	Application: Diagnostic assay manufacturing, Hematology, Histology				
	Quantity: 25g				
	Packaging: Glass Bottle				
	Storage temperature: Room temperature				
	Grade: Certified by the Biological Stain Commission				
165	Sabouraud Dextrose Agar, 500g	btl	1	4,800.00	4,800.00
166	Scalpel Blade	box of 50's	5	280.00	1,400.00
	☑Stainless Steel				
	☑100 blades/box				
167	Scalpel Handle	pcs	5	70.00	350.00
	☑#4, Stainless steel				
168	Sheather's sugar flotation solution	btls	2	2,000.00	4,000.00
	☑Sheather's sugar flotation solution				
	☑With a specific gravity of 1.25 to 1.27.				
	☑For the fecal flotation method.				
	☑Laboratory grade				
	☑1 bottle contains 1 L of solution.				

169	Sieve no.10 with cover and pan	set	1	10,000.00	10,000.00
	☑Sieve No. 10 (8" Sieve, All Brass, Full Height, No. 10 Mesh); Eye opening: 2000 µm (0.0787in)				
	☑Sieve Pan (8" Brass Sieve Pan, 2" Deep, Full Height)				
	☑Sieve Cover (8" Brass Sieve Cover Lid)				
170	Sieve no.50 with cover and pan	sets	1	11,000.00	11,000.00
	☑Sieve No. 50 (8" Sieve, All Brass, Full Height, No. 50 Mesh); Eye opening: 300 µm (0.0118in)				
	☑Sieve Pan (8" Brass Sieve Pan, 2" Deep, Full Height)				
	☑Sieve Cover (8" Brass Sieve Cover Lid)				
171	Sodium Chloride	btl	2	750.00	1,500.00
	Analytical Reagent Grade 500g per bottle				
172	Sodium Hydroxide, Technical Grade, 1KG, Pellets	btls	1	500.00	500.00
	☑Technical grade, pellets, 1 kg				
173	Sodium Iodide	btl	1	1,702.00	1,702.00
	☑Anhydrous				
	☑Lab grade/ Analytical reagent grade				
	☑Expiration date(3 years from the delivery date)				
	☑Packed in Teflon bottles				
174	Soil Scoop/Shovel, plastic	pcs	10	90.00	900.00
175	Soil Tester Kit - 20 tests	kit	2	3,600.00	7,200.00
	Rapid test Soil Tester Kit for pH N P K; 20 tests				
176	Stainless Steel Mesh Sieve (Set)	set	1	15,000.00	15,000.00
	☑Mesh Type: Stainless Steel Mesh				
	☑Sieve Frame: Stainless Steel Frame				
	☑Measurement of 6 sieves:				
	◀No. 5 (4,000 micron)				
	◀No. 10 (2,000 micron)				
	◀No. 35 (500 micron)				
	◀No. 60 (250 micron)				
	◀No. 120 (125 micron)				
	◀No. 230 (63 micron)				
	☑Sieve diameter: 7 inches (approximation)				
	☑Includes: Lid and Catch Pan for every sieve				
177	Standard Buffer solution	btl	1	1,000.00	1,000.00
	pH 4, 1000 ml; calibration certificate included				
178	Standard Lab Test Sieve	pcs	3	300.00	900.00
	☑Stainless Steel Sieve.				
	☑Size: diameter 20cm,				
	☑height 5cm.				
	☑Aperture: 100µm				
	☑mesh 0.15mm aperture				
179	Standard Method Agar (PCA)	btl	1	4,500.00	4,500.00
	Plate Count Agar; 500g;				
180	Sterile Nuclease-Free Water	btl	1	5,000.00	5,000.00
	Sterile Nuclease-Free Water (at least 500ml)				
181	Stirring Rod	pc	17	50.00	850.00
	☑Standard Size				
	☑Good Quality				
	☑with rubber policeman				
182	Storage Tray	pcs	10	60.00	600.00
	☑Tray basket organizer				
	☑Product Dimension: L(19.3cm), W(24.5cm), H(6.5cm)				
	☑Plastic, any color				
183	Sucrose	btl	1	1,000.00	1,000.00
	Analytical Reagent Grade 500g per bottle				
184	Sucrose, Grade I, suitable for plant cell and tissue	kgs	1	6,500.00	6,500.00

	culture				
	1 kilogram;				
185	Sulfuric Acid - 95-98%	btl	1	5,000.00	5,000.00
	☐Free from suspended or insoluble matter				
	☐Nominally 95-98% H2SO				
	☐1 bottle contains 500 mL				
186	SYBR Green Real-Time PCR Master Mix	set	1	30,000.00	30,000.00
	☐Use for Real-Time PCR (qPCR)				
	☐Concentration: 2X				
	☐Detection Method: SYBR				
	☐No. of Reactions: =>200 Reactions.				
	☐Total volume: => 5 mL				
	☐With polymerase included (e.g., AmpliTaq Gold DNA Polymerase).				
187	Tertiary Butyl Alcohol (TBA), Technical, 1L/btl	btl	1	700.00	700.00
	tert-Butanol, synthesis grade				
	(CH3)3COH				
188	Test Tube Rack, 12 x 4 for 13 x 100mm test tubes	pcs	3	800.00	2,400.00
	☐Stainless steel;				
189	Test Tube Rack, 13mm, 90 placer	pc	2	1,500.00	3,000.00
	☐Propylene, 13mm diameter hole, 90 placer;				
190	Test Tube Rack, 20 mm x 24 tubes	pc	3	800.00	2,400.00
	☐Stainless Steel, 20 mm diameter holes, capacity 24 test tubes;				
191	Test Tube Racks, 12MM x 12Holes	pcs	3	600.00	1,800.00
	Stainless Steel Holes Test Tube Rack; ;				
192	Test Tubes, 16 x 100mm, 100 pcs/ box	boxes	1	5,000.00	5,000.00
	☐borosilicate glass, heat resistant, rimless;				
193	Tetrathionate Broth Base, 500g	btl	1	5,000.00	5,000.00
194	Thiamine.HCl suitable for plant cell and tissue culture (25gms)	btl	1	4,900.00	4,900.00
195	Thidiazuron (TDZ)	gms	1	15,000.00	15,000.00
	suitable for plant tissue culture				
196	Thin Walled Polymerase Chain Reaction Tubes	pack	1	3,500.00	3,500.00
	Thin Walled Polymerase Chain Reaction Tubes, non-sterile, 1000 pcs, 0.2ml, DNase/RNase free (flat cap)				
197	Tris-acetate-EDTA (TAE)	btl	1	4,800.00	4,800.00
	Tris-acetate-EDTA (TAE) buffer 10x, 1000 ml, for molecular biology (or equivalent concentrate				
198	Tris-EDTA Buffer Solution	btl	1	8,500.00	8,500.00
	Tris-EDTA buffer solution, for molecular biology, pH 8.0±0.1 (25 °C), DNase, RNase, protease, phosphatase-free, 500ml				
199	Tryptophan	btl	1	2,500.00	2,500.00
	Analytical Reagent Grade 500g per bottle				
200	Trypticase Soy Agar	btl	1	9,000.00	9,000.00
	☐General growth medium				
	☐Powder agar				
	☐500 g per bottle				
201	Trypticase Soy Broth, 500g	btl	1	3,400.00	3,400.00
202	Urine Strips (Right Sign) 10u	Box of 100's	1	1,500.00	1,500.00
203	Utility Bucket	pcs	3	280.00	840.00
	☐Utility bucket/ pail with				
	☐Cover.				
	☐Capacity: 10L Product				
	☐Dimension: L(27cm), W(27cm), H(26cm)				
204	Vaccum Pump Oil 19	gallon	1	2,000.00	2,000.00

	☐Vaccum Pump Oil 19 Grade				
	☐atleast 1 Gallon				
205	Vacutainer EDTA Tubes	tubes	2	1,650.00	3,300.00
	☐blood collection tubes, 2 ml				
206	Violet Red Bile Agar, 500g	btl	1	4,800.00	4,800.00
207	Wash Bottle, 250mL cap.	pc	10	200.00	2,000.00
	☐Material: Plastic (good quality);				
208	Water Purifier Filter Cartridge Sets	sets	2	3,000.00	6,000.00
	☐Water Purifier Filter Cartridge Set:				
	☐Includes: (designed for SCSJ-III 15L Water Purifier)				
	◀2 pieces of 10" Polypropylene Pleated Filter Cartridge (1 or 5 microns)				
	◀4 pieces of 10" Activated Carbon Filter Cartridge				
	☐Purpose: SHOULD fit the SCSJ-III 15L Water Purifier				
209	Water Quality Test Meter	piece	1	2,000.00	2,000.00
	☐2 in 1 kit, with calibration packets and user's manual				
	◀1 TDS meter				
	◀1 pH meter				
	☐Hand-held and portable, pen-sized				
	☐Color: yellow (pH) + blue (TDS)				
	☐Material: plastic + metal				
	☐Size: length 15.4cm				
	☐Accurate reading				
	☐Good quality				
	☐Durable				
210	Whatman® qualitative filter paper, Grade 1	pack	3	700.00	2,100.00
	☐Material: cellulose filters, circles				
	☐Pack Size: 100 pcs				
	☐manufacturer/tradename				
	☐Tradename: Whatman 1001-325, Whatman Article No. 28413923 (US reference)				
	☐Parameter: 0.25 psi wet burst				
	☐Diameter :25 mm				
	☐Thickness: 180 µm				
	☐Pore size: 11 µm (Particle retention)				
	☐Basis weight: 87 g/m2				
211	Wright Stain	btls	3	2,826.00	8,478.00
	Diagnostic reagents: packaging or set Wright stain 500 ml, Buffer for Wright stain 500 ml				
212	XLD Agar	btl	1	6,000.00	6,000.00
	☐Selective medium for Salmonella				
	☐Powder agar				
	☐500 g per bottle				
213	Yeast Potato Dextrose Agar, 500g	btl	1	4,000.00	4,000.00
214	Zinc sulfate (ZnSO ₄ , 7H ₂ O) suitable for plant cell and tissue culture	btl	1	1,200.00	1,200.00
	☐molecular weight: 287.54				
	☐500grams				
215	Activated Acid-washed Charcoal	packs	1	15,000.00	15,000.00
	☐Chemical must be plant tissue culture tested for at least 20 years				
	☐ISO complaint				
	☐ACS REAG				
	☐PH EUR				
	☐meets USP Standards				
	☐Bioreagent suitable for cell culture				
	☐2.5kg per pack				
216	Aluminum Foil Jumbo Roll	pcs	1	600.00	600.00

	☑Quick freeze and quick chill mode				
	☑Digital Temperature Control with LED Display				
	☑Independent Temperature Control				
	☑Child Lock				
	☑Vacation Mode				
	☑Eco-LED Lights				
	☑Spill – Proof Tempered Glass Shelves				
	☑Heavy Duty Handle				
	☑Textured Body (Rust and Stain Resistant)				
	☑3 Twist Ice Cube Trays and Ice Cube Container				
	☑Adjustable Leveling Feet				
	☑Input Power: 170W				
229	Aluminum Soil Moisture Can	pcs	50	60.00	3,000.00
	<i>Dimension: 40-50 mm diameter, 30-40 mm height</i>				
	<i>Material: Aluminum</i>				
230	Ammonium Acetate, AR, 500g	pack	3	1,800.00	5,400.00
231	Ammonium Chloride, Analytical Grade, 500g/btl	btl	1	1,000.00	1,000.00
	☑AR grade, 500g per bottle				
232	Antibiotic Discs	tubes	35	400.00	14,000.00
	<i>Used for sensitivity testing of antibiotic residue</i>				
	<i>7 tubes per antibiotic group (50 discs/tube)</i>				
	<i>1. 7 tubes- Beta-lactams (Penicillin and Cephalosporins) - Penicillin G, Amoxicillin</i>				
	<i>2. 7 tubes- Sulfonamides - Sulfadiazine, Sulfanilamide and Sulfamidine, Trimethoprim-sulfamethoxazole</i>				
	<i>3. 7 tubes- Tetracyclines - oxytetracycline, tetracycline and doxycycline</i>				
	<i>4. 7 7 tubes- Quinolones - ciprofloxacin, enrofloxacin</i>				
	<i>5. 7 tubes- Macrolides - erythromycin, azithromycin, tilimicosin, tylosin</i>				
233	Calcium Chloride Dihydrate	btl	1	2,000.00	2,000.00
	☑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				
234	Dial Oven-Safe Thermometer (Bimetal)	unit	2	2,500.00	5,000.00
	<i>Reads in 1-2 minutes</i>				
	<i>Place 2 - 2 1/2 deep in thickest part of food</i>				
	<i>Can be used in roasts, casseroles, and soups</i>				
	<i>Not appropriate for thin foods</i>				
	<i>Can remain in food while it's cooking</i>				
	<i>Heat conduction of metal stem can cause false high reading</i>				
	<i>Can be calibrated</i>				
235	Drager Aspirator Bulb	pieces	2	200.00	400.00
236	Dryer Oven/Sterilizer with UV Lamp	unit	1	50,000.00	50,000.00
	<i>Dryer Oven/Sterilizer with UV Lamp</i>				
	<i>Made for the sterilization of various laboratory apparatus</i>				
	<i>Constantly heats the inside for the drying of equipment</i>				
	<i>Comes with a UV lamp inside the unit for effective sterilization</i>				

	Specifications:				
	Temperature: 60°C				
	Electrical: 220v 0.8KW/4A				
	Capacity: 72L				
	Dimensions (W x D x H): 59 in x 56 in x 70 in				
	Pre-installed UV Light				
	Comes with (5) extra UV germicidal lamps				
237	Fall cone Penetrometer Apparatus	unit	1	20,000.00	20,000.00
	80g weight of test cone (30 degrees apex angle) Aluminum base with dial guage				
238	Multi-Functional LCD Digital Multimeter Auto Range DMM with Temperature Detector DC AC Voltage	unit	2	2,000.00	4,000.00
	<ul style="list-style-type: none"> ▣ Large LCD display of 41mm character height ▣ Measure DC/AC voltage/current, diode, resistance, capacitance, temperature and continuity test. ▣ Max. display value: 6000. ▣ Can test the temperature with unit of °C/ °F. ▣ Includes relative value testing, duty cycle test, data hold, MAX/MIN value hold and auto power off function. ▣ With overload protection on all ranges. ▣ Low battery indication and warning alarm function. ▣ Equipped with a back bracket for supporting multimeter, and also can collect test probe. ▣ Protected by rubber for drop protection. ▣ Great for troubleshooting automotive and household electrical problems. 				
239	Munsell Soil Color Book	pc	2	12,500.00	25,000.00
	Color chips are mounted on neutral gray, 7.25x4.25in (184x108mm) water resistant pages in an 8x16in (203x152mm) loose-leaf binder				
240	NE-300 Just Infusion™ Syringe Pump	pc	1	14,999.00	14,999.00
					
	1. Holds 1 Syringe from micro-liter sizes up to 60 mL. (140 mL partially filled)				
	2. Infusion rates from 0.73 µL/hr (1 mL syringe) to 1500 mL/hr (60 mL syringe)				
	3. Operates from included 12VDC power supply				
241	Pillow block bearing (1/2" inside diameter)	unit	4	300.00	1,200.00
242	Shrinkage Limit Glass Plate	pc	4	340.00	1,360.00
	Dimension: 3.25x3.25x0.25 in (83x83x6mm)				
243	Sodium Hexametaphosphate, 500g/btl	btl	1	800.00	800.00
244	Soil Dispersion Mixer	unit	1	28,000.00	28,000.00
	Meets standards: AASHTO and ASTM				
	Motor: 1/3 hp				
	RPM: 1300x0, 16,000, and 18000rpm speeds				
	Electrical: 115V/60Hz, 7.5Amps or 230V/50-60Hz, 1.3 Amps				
	With Accessories: Replacement blade and Dispersion cup				
245	Soil Sample Rings (Core Sampler)	pc	35	140.00	4,900.00
	Dimension: 50-60mm diameter, 50-60 mm height, outer				

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 *27 September – 17 October 2022 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 *October 4; 9:00 AM* at the *PPO Conference Room, Lower Campus, Visca, Baybay City, Leyte* and through video conferencing *via Zoom*, which shall be open to prospective bidders.

Bidders are advised to contact the BAC Secretariat before the scheduled Pre-Bid Conference for the Zoom Meeting Details.

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 *17 October 2022 until 8:30 AM*. Late bids shall not be accepted.
8. For bidders who opt to submit their bids electronically, a hardcopy (original) 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 *17 October 2022; 9:00 AM* at the *PPO Conference Room, Lower Campus, Visca, Baybay City, Leyte* and *via Zoom*. 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 Zoom Meeting Details.

11. 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.
12. 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

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

13. You may visit the following websites:

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

September 26, 2022



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 Equipment and Supplies*, with identification number *GOODS-22-51*.

The Procurement Project (referred to herein as “Project”) is composed of *248 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 Seven Hundred Fifteen Thousand Five Hundred Twenty-Eight and 88/100 Pesos (PhP 1,715,528.88)*.

2.2. The source of funding is: NGA, the GAA, STF, and TF.

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 *fifty percent (50%)* 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 *February 16, 2023*. 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 maybe. 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	<p>For this purpose, contracts similar to the Project shall be:</p> <ul style="list-style-type: none"> a. <i>Laboratory Equipment, Laboratory Supplies, Laboratory Chemicals or a combination of the foregoing</i> b. completed within two (2) years prior to the deadline for the submission and receipt of bids.
7.1	Subcontracting is not allowed.
12	The price of the Goods shall be quoted <i>DDP VSU Main, Visca, Baybay City, Leyte</i> or the applicable International Commercial Terms (INCOTERMS) for this Project.
14.1	<p>The bid security shall be in the form of a Bid Securing Declaration, or any of the following forms and amounts:</p> <ul style="list-style-type: none"> a. The amount of not less than <i>Thirty-Four Thousand Three Hundred Ten and 58/100 Pesos (PhP 34,310.58) or two percent (2%) of ABC</i>, if bid security is in cash, cashier's/manager's check, bank draft/guarantee or irrevocable letter of credit; or b. The amount of not less than <i>Eighty-Five Thousand Seven Hundred Seventy-Six and 44/100 Pesos (PhP 85,776.44) or five percent (5%) of ABC</i> if bid security is in Surety Bond.
15	<p>Bidders are requested to submit two (2) more copies of its bid (Copy 1 and Copy 2) in addition to the required original hardcopy.</p> <p>For filing purposes, the bidders are urged to use Red envelopes for its Technical and Financial Component envelopes, including the Mother (outer) Envelope.</p>
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	Bidders are required to submit its updated Mayor's/Business Permit during post-qualification.
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>Delivery and Documents –</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 are:</p> <p style="text-align: center;"><i>Mr. Servando Latras, Jr. or Mr. John Adaza III</i> <i>Bodega-Incharge, Supply and Property Office</i> <i>VSU-Main, Visca, Baybay City, Leyte</i> <i>Contact #: 053 565 0600 local 1082</i></p> <p>Incidental Services –</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"> a. performance or supervision of on-site assembly and/or start-up of the supplied Goods; b. furnishing of tools required for assembly and/or maintenance of the supplied Goods; c. furnishing of a detailed operations and maintenance manual for each appropriate unit of the supplied Goods; 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 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.
	<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>

Spare Parts – if applicable

The Supplier is required to provide all of the following materials, notifications, and information pertaining to spare parts manufactured or distributed by the Supplier:

- 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
- b. in the event of termination of production of the spare parts:
 - i. advance notification to the Procuring Entity of the pending termination, in sufficient time to permit the Procuring Entity to procure needed requirements; and
 - ii. following such termination, furnishing at no cost to the Procuring Entity, the blueprints, drawings, and specifications of the spare parts, if requested.

The spare parts and other components required are listed in **Section VI (Schedule of Requirements)** and the cost thereof are included in the contract price.

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.

Spare parts or components shall be supplied as promptly as possible, but in any case, within 1 month of placing the order.

Packaging –

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.

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.

The outer packaging must be clearly marked on at least four (4) sides as follows:

	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>Transportation –</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>

	<p>Intellectual Property Rights – if applicable</p> <p>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.</p>
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.	Unit	Qty	Description	Delivered, Weeks/Months
1	kit	3	16 in 1 Drinking Water Test Kit	All Items Should Be Delivered to VSU Main Campus, Visca, Baybay City, Leyte within 90 Calendar Days From Receipt Of Notice To Proceed And Purchase Order
			Professional Hardness Testing Kits, Tap and Well Water Test Strips with Hardness, PH, Mercury, Lead, Iron, Copper, Chlorine, Chromium/Cr, Cyanuric Acid	
2	boxes	2	22 mm x 22 mm cover slip (0.13- 0.16 mm thickness) at least 72 pcs. per box	
3	boxes	20	3 layer Non-woven surgical face mask, at least 50 pcs. per box	
4	pairs	2	3.5 Mm Gloves Grey M	
			☐ 5 finger neoprene gloves ultraspan in addition to the already full range of gloves cressi.	
			☐ For this particular model have been studied as important as the depth of the fingers, perfect closing of the wrist, not through seams.	
			☐ 100% Neoprene.	
			☐ Gloves.	
			☐ Made from 3,5 mm neoprene ultra.	
5	gallon	30	95% Ethyl Alcohol, Technical Grade (Gallon)	
6	btls	1	Absolute Ethanol - 99.5% Purity (GC): ≥ 99.5 %; 1 bottle contains 1 liter Purity (GC): ≥ 99.5 %; 1 bottle contains 1 liter	
7	btl	1	Absolute Methanol - 99.5%	
8	gal	1	Acetone	
			☐ Technical Grade	
			☐ 1 gal	
9	gms	1	Activated Charcoal suitable for plant cell and tissue culture (5g) 5 grams	
10	kilos	3	Agar Agar	
11	500gms	5	Agar for plant cell and tissue culture 500 grams;	
12	btl	1	Agar Powder for plant tissue culture, 1kg;	
13	btl	4	Alcohol Burner	
			☐ Burner Lamp	
			☐ Clear Glass Lab	
			☐ 150mL	
14	gallon s	5	Alcohol, Denatured	
15	L	20	Alcohol, Ethyl	
16	liters	14	Alcohol, Ethyl, 95% (Tech)	
17	btls	1	Ammonia, NH3 Concentrated, Analytical reagent grade, 2.5L/bottle	
18	kgs	3	Ammonium nitrate (NH4NO3) suitable for plant cell and tissue culture	
19	btl	1	Ammonium Sulfate, 500g/btl.	
			☐ Anhydrous	
			☐ Lab grade/ Analytical reagent grade	

			☑Expiration date (3 years from the delivery date)
			☑Packed in Teflon bottles
20	pc	1	Analytical Balance (500/0.001 g)
21	unit	1	Anemometer (8 in 1)
			☑Anemometer (8 in 1 LCD Digital Anemometer Wind Speed Temperature Humidity Altitude Tester)
			☑Material: ABS
			☑Model: TL-303
			☑Color: Black
			☑Power Supply: 300mAh Rechargeable Lithium Polymer
			☑Power Supply Model: 602030
			☑Wind Speed Range: 0-30m/S; 0-5860ft/Min; 0-55 or 0-90km/H; 0-65 Miles
			☑Resolution: 0.1 M/S; 19ft/Min; 0.2 Knots; 0.3km/H; 0.2 Miles/Hour
			☑Accuracy: ±5%
			☑Cold Wind Range: -40-10°C (0-30m/S); -49-50°F (0-65mph)
			☑Resolution: 0.1°C; 0.1°F
			☑Accuracy: ±1°C; ±1.8°F
			☑Temperature Range: -29-70°C; -20-158°F
			☑Resolution: 0.1°C; 0.1°F
			☑Accuracy: ±1°C; ±1.8°F
			☑Relative Humidity Range: 0-100%RH
			☑Resolution: 0.1%RH
			☑Accuracy: ±3%RH
			☑Thermal Index Range: 21.1-54.4°C (0-100%RH); 70-130°F (0-100% Relative Humidity)
			☑Resolution: 0.1°C; 0.1°F
			☑Accuracy: ±2°C; ±3.6°F
			☑Dew Point Range: -29-70°C; -20-158°F
			☑Resolution: 0.1°C; 0.1°F
			☑Accuracy: ±2°C; ±3.6°F
			☑Air Pressure Range: 10-1100hpa; 10-1100mbar; 0.29-32.48 Inches
			☑Resolution: 0.1hpa; 0.1mbar; 0.01kpa
			☑Accuracy: ±1.5hpa; ±1.5mbar; ±0.05in measuring column Altitude Range: -700-9000m; -6000-300ft
			☑Resolution: 1m; 1ft
			☑Accuracy: ±12m; ±50ft
			☑Size: Approx. 120x50x25mm / 4.7x2.0x1.0inWeight: Approx. 229g / 8.1oz
			☑Package List:
			☑1 x Anemometer1 x USB Cable1 x Bag1 x Hanging Rope1 x Manual
22	btl	1	Anhydrous Sodium Sulfate, AR
			Analytical grade
			Anhydrous
			Powder form
			Size: 500g per bottle
23	btl	1	Ascorbic acid
			☑Analytical reagent grade, crystalline powder, 25 g/bottle
24	pcs	2	Autoclave Tape
			turns black at 250°F,
			width - ¾ inch
			length- minimum of 60 yards
25	btls	1	Barfoed's Reagent Solution 1000mL
			Technical Reagent Grade 1000mL per bottle

26	unit	2	Bcd Black - Large
			Scuba BCD offers unparalleled comfort, security and excellent lift capacity for an even more enjoyable dive . Description: Scuba BCD offers unparalleled comfort, security and excellent lift capacity for an even more enjoyable dive. Features: Excellent lift capacity Light, strong and durable denier 420 Improved fit: Swiveling buckles, shoulders, low-cut aircell SLS integrated weight system 3-dimensional zippered self-draining pockets 2 rear trim weight pockets Reduced weight: Travel friendly
27	pc	5	Beaker, Glass, 1000mL
			■1000mL capacity, borosilicate glass;
28	pc	5	Beaker, Glass, 500mL
			■500mL capacity, borosilicate glass;
29	btls	3	Benedict's Solution 1000mL
			Technical Reagent Grade 1000mL per bottle;
30	btl	3	Benzylaminopurine (BAP) suitable for plant cell and tissue culture (5g)
			5 grams;
31	gallon	1	Bleach, liquid, 99.9% antibac, 1 gallon
32	btl	1	Blood Agar Base
			Enrichment medium and used for the hemolysis test.supplied in 500g/bottle
33	btl	1	Boric acid (H3BO3) suitable for plant cell and tissue culture
			molecular weight: 61.83; 500 grams;
34	btl	1	Brain Heart Infusion Broth, 500g
35	btl	1	Brilliant Green Agar
			■Salmonella selective medium
			■500g per bottle
36	btl	2	Buffer solution, pH 7, 1000 ml.
37	btl	1	Buffer solution, pH 9, 1000 ml.
38	pc	1	Burette clamp
			■Good Quality
			■Double Burette Clamp
			■Can Hold 50mL Burette
39	pc	1	Burette with Glass Stopcock
			■Burette with Glass Stopcock
			■Material: Glass/Borosilicate Glass
			■Capacity: 50mL
			■For Acid
40	btls	1	Calcium Chloride
			■AR grade; 500g
41	btl	2	Calcium Chloride (CaCl2) suitable for plant cell and tissue culture
			Dried
			1.5-2.5mm
			Molecular Weight: 246.47
			500grams
42	btl	1	Campylobacter Selective Agar + Supplement, 500g
43	btl	2	Canada Balsam, for microscopy, 100ml
44	L	5	Capillary Clay Sealer/wax
			Its a Clay Sealant and Specimen Holding Tray
			Clay sealant and 24-place holding tray for all types of microhematocrit capillary tubes.
			This capillary tube sealing tray contains a unique wax compound that quickly forms a leak-tight seal. Non-toxic, non-drying and non-hardening, the sealant is formulated to withstand centrifugation. There is no need for plastic caps

			or heat sealing. The tray has 24 numbered places for easy patient identification.
			A hard, brittle wax orange in color useful for sealing crystals in glass capillaries. When applied properly, Capillary Wax will provide an airtight seal. Also referred to as sticky wax even though it is not sticky at room temperature.
45	btl	1	Carmine Powder, AR, 25g/btl
			Carmine powder is a red compound used for staining.
46	unit	5	Centrifuge Rack, Multifunction
			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
47	btl	2	Chloroform 2.5L
			Analytical Reagent Grade 2.5L per bottle
48	btl	1	Cobalt chloride (CoCl ₂ , 6H ₂ O) suitable for plant cell and tissue culture
			■Molecular weight: 249.6
			■500g
49	piece	1	Compound Binocular Microscope
			Head: 45° Inclined Binocular, 360° rotation
			Eyepiece: 10x Wide Field Eyepiece
			Nosepiece: 4 Position
			Optical Magnification Range: 40 to 1000x
			Objectives: 4x, 10x, 40x, 100x
			- Achromatic Optics
			Mechanical Stage/ Slide Holder: 5.5 x 5.5 inches
			Focusing: Coarse and Fine
			Illumination: Halogen Illumination
			Dimmer: Yes
			Body Frame: Metal frame with Gray Finish
			Weight: Approximately 12.3 lb / 5.5 kg
50	btl	1	Copper sulfate, CuSO ₄
			■Anhydrous, Analytical reagent grade, 500g/bottle
51	pcs	3	Cryogenic Boxes
			Cryogenic boxes w/ dividers, plastic, 9x9 or 10x10, transparent, for 1.5/2.0mL tubes, 81-100 wells, natural color, w/ hinge and snap clasp, autoclavable
52	unit	2	Cryovial External Thread
			Cryovial external thread, 1.8ml, 500s;
53	btl	1	Cupric sulfate (CuSO ₄ , 5H ₂ O) suitable for plant cell and tissue culture
			500 grams;
54	btl	1	Cyclohexene
			Analytical Reagent Grade 2.5L per bottle
55	btl	1	Cysteine
			analytical reagent grade 25g per bottle
56	btl	1	Decarboxylase broth base
			A 500g Medium employed to serve the purpose of differentiating bacteria on the basis of their ability to decarboxylate the amino acids.
57	kit	4	Digital PH TDS EC Meter kit
			■Digital pen style pH meter
			■TDS meter tester
58	unit	1	Digital Weighing Scale- 0.01-5kg

			<ul style="list-style-type: none"> ☐Capacity: 0.01g to 5kg
			<ul style="list-style-type: none"> ☐Type: Laboratory Balance
			<ul style="list-style-type: none"> ☐Power Supply: 100-240V/50-60H
			<ul style="list-style-type: none"> ☐Size: 320*205*100mm
59	boxes	1	Disposible Gas Generator Envelopes
			<ul style="list-style-type: none"> ☐Anarobic and CO2 indicator
			<ul style="list-style-type: none"> ☐for GasPak system
			<ul style="list-style-type: none"> ☐10 foil envelopes per box
60	set	1	DNA extraction kit
			<ul style="list-style-type: none"> ☐Extract genomic DNA from different samples (e.g., manure, blood, tissue).
			<ul style="list-style-type: none"> ☐Silica-gel membrane-based spin-column technology
			<ul style="list-style-type: none"> ☐All buffers, elution water, and microtubes included.
			<ul style="list-style-type: none"> ☐= />50 DNA preparations
61	Vial	1	DNA Ladder
			DNA Ladder 50bp, 50 µg, with loading dye
62	Vial	1	DNA Ladder 100Bp
			DNA Ladder 100bp, for at least 50 lanes, with loading dye
63	pcs	2	Driver Dive Computer
			<ul style="list-style-type: none"> ☐All the main infos on the same screen: dive and Ascent speed, temperature, dive time and surface time, depth
			<ul style="list-style-type: none"> ☐Setting for Fresh or salt water
			<ul style="list-style-type: none"> ☐Most function to calculate the minimum surface recovery time and rehydration alert
			<ul style="list-style-type: none"> ☐Users can deactivate all the light and sound alerts, while maintaining the continuous control of the dive profile on the display
			<ul style="list-style-type: none"> ☐Extensive Logbook memory divided into downloadable sessions and individual dives
64	packs	2	EDTA 2ml (Collection tube for Complete Blood Count)
65	btls	1	Eosin Methylene Blue Agar
			<ul style="list-style-type: none"> ☐Agar powder
			<ul style="list-style-type: none"> ☐Culture media
			<ul style="list-style-type: none"> ☐500 g per bottle
66	gallon	5	Ethanol
			AR grade, 2.5L, at least 95% v/v
67	btl	5	Ethanol Absolute
			2.5 Liters/ bottle;
68	btl	2	Ethylenediaminetetraacetic acid disodium salt (Na ₂ -EDTA) suitable for plant cell and tissue culture
			500 grams;
69	btl	2	Ferrous sulfate (FeSO ₄ , 7H ₂ O) suitable for plant cell and tissue culture
			500 grams;
70	box of 50's	1	Filter Paper
			<ul style="list-style-type: none"> ☐Filter Paper No.1
			<ul style="list-style-type: none"> ☐Qualitative Circles 125mm (12.5cm)
			<ul style="list-style-type: none"> ☐Qty/box: 100 pieces per box
			<ul style="list-style-type: none"> ☐Porosity: Medium
			<ul style="list-style-type: none"> ☐Flow Rate: Medium
71	boxes	2	Filter paper Grade 41
			<ul style="list-style-type: none"> ☐Parameters: Grade 41 Fast ashless filter paper, 125 mm circle (100 pcs.).
			<ul style="list-style-type: none"> ☐Grade: Grade 41
			<ul style="list-style-type: none"> ☐Format: Circles
			<ul style="list-style-type: none"> ☐Type: Ashless
			<ul style="list-style-type: none"> ☐Typical Particle Retention in Liquid: 20 micron

			<ul style="list-style-type: none"> ☑Nominal basis weight: 85 g/m squared ☑Typical water flow rate: 254 ml/min ☑Nominal air flow rate: 4 s/100 mL/square inch ☑Nominal as Content 0.007% ☑Material: High quality cotton linters ☑alpha Cellulose Content Min.: >97%
72	pcs	2	<p>Finepoint High Precision Forceps</p> <ul style="list-style-type: none"> ☑Tip Style: Fine ☑Material: Stainless Steel ☑Length 4.5"
73	unit	8	<p>Fire Extinguisher, HCFC-123, 10lbs (new)</p> <p>SAFETY EQUIPMENT AND DEVICES</p> <p>Clean Agent</p> <p>BPS Certified,</p> <p>HCFC-123,</p> <p>with Free Wall Bracket,</p> <p>BFP Approved</p> <p>10lbs capacity tank</p> <p>with pressure gauge</p> <p>Nozzle and handle</p>
74	btl	1	<p>Fructose</p> <p>Analytical Reagent Grade, 500g per bottle</p>
75	kit	1	<p>Genomic DNA Extraction Kit</p> <ul style="list-style-type: none"> ☑Extract genomic DNA from different samples (e.g., manure, blood, tissue). ☑Silica-gel membrane-based spin-column technology ☑All buffers, elution water, and microtubes included.
76	btls	3	<p>Giemsa stain set</p> <p>Diagnostic reagents, packaging 1bx or set Giemsa 500ml, Buffer for Giemsa 500 ml</p>
77	btl	1	<p>Glacial Acetic Acid</p> <ul style="list-style-type: none"> ☑Analytical Reagent grade 2.5L per bottle
78	pcs	3	<p>Glass Staining Block with Cover</p> <ul style="list-style-type: none"> ☑Clear polished glass ☑Cavity 30mm diameter x 6mm deep ☑Complete with flat glass cover ☑40mm square to minimize evaporation
79	set	2	<p>Glassware Vacuum Filtration Memne Buchner Funnel Flask Apparatus Kit</p> <p>Glassware Vacuum Filtration Memne Buchner Funnel Flask Apparatus Kit with Manual Pump and MCE Filter</p> <ul style="list-style-type: none"> - Materials: borosilicate glass, rubber, aluminum, abs - Diameter of Sand Cone: 40mm, 40mm is also the inner diameter of the filter joint. So you have to choose the membrane filters of larger size than Diam. 40mm. - Filter Flask Capacity: 500ml or 1000ml - Graduated Funnel Capacity: 300ml (50mL graduations for quick, easy measurement) - Funnel Top Diameter: 8cm; the filter is 12cm high. - Funnel Top Volume: 300ml - Membrane diameter: 50mm - Membrane filter size: 0.22/0.45um - Manual Pump: ABS material, -600mm Hg.
80	box of 50's	14	<p>Gloves, Nitrile, Large</p> <ul style="list-style-type: none"> ☑Glove Type: Chemical Resistant Disposable Gloves ☑Glove Material: Nitrile ☑Powder-Free

			<input type="checkbox"/> 1 box of 100 or 50 pairs <input type="checkbox"/> Food Safe <input type="checkbox"/> Size: large
81	box of 50's	9	Gloves, Nitrile, Medium <input type="checkbox"/> Glove Type: Chemical Resistant Disposable Gloves <input type="checkbox"/> Glove Material: Nitrile <input type="checkbox"/> Powder-Free <input type="checkbox"/> 1 box of 100 or 50 pairs <input type="checkbox"/> Food Safe <input type="checkbox"/> Size: Medium
82	box of 50's	7	Gloves, Nitrile, Small <input type="checkbox"/> box or 100-50 pairs, small <input type="checkbox"/> natural rubber latex-free, powderless <input type="checkbox"/> micro grip
83	btl	1	Glycerol <input type="checkbox"/> Molecular biology grade, $\geq 99.0\%$ assay quality <input type="checkbox"/> Suitable for cell culture, insect cell culture, and electrophoresis <input type="checkbox"/> Dnase-free, Rnase-free, NICKase-free, and protease-free <input type="checkbox"/> Liquid form <input type="checkbox"/> Bottle of 500mL
84	btl	2	Glycine <input type="checkbox"/> Molecular biology, $\geq 99.0\%$ assay quality <input type="checkbox"/> Suitable for protein analysis, SDS-PAGE and Western blot <input type="checkbox"/> DNases and Rnases free <input type="checkbox"/> Phosphatases and proteases free <input type="checkbox"/> Crystalline form <input type="checkbox"/> Bottle of at least 500g
85	btl	1	Gowers diluting fluid contents 500 ml RBC diluents used to count RBC
86	btls	3	Gram Stain Diagnostic Reagents :Packaging Box/set Grams Grams Crystal violet 500 ml, Grams Iodine 500 ml, Grams stain decolorizer, Safranin 500 ml
87	unit	1	Hand Soil Auger <input type="checkbox"/> Material: stainless steel <input type="checkbox"/> Auger length: 25cm <input type="checkbox"/> Length: 0.5m <input type="checkbox"/> External Diameter: 38mm
88	per 100 pcs.	2	herbarium sheet 42 x 29cm color: white
89	btl	1	Histidine Analytical Reagent Grade 25g per bottle
90	btl	1	Hydrochloric Acid <input type="checkbox"/> AR grade <input type="checkbox"/> 2.5 liter/btl. <input type="checkbox"/> 36.5-38% <input type="checkbox"/> impurities <1ppm free chlorine
91	btls	1	Hydrochloric acid, HCl Analytical reagent grade, concentrated, 2.5L/bottle
92	btl	3	Indoleacetic acid (IAA) suitable for plant cell and tissue culture (5g)
93	gms	3	indolebutyric acid (IBA)

			Suitable for plant tissue culture 5 gms.
94	L	1	Infrared Loop sterilizer
			Infrared Loop Sterilizer DS900,220v laboratory electric heating high temperature, disinfection infra-red sterilizer, used to disinfect or sterilize inoculating loops/needles for isolating microorganisms
95	pack of 10's	2	Inoculating Loop Stainless Steel
			☑10PCS 1-6mm Inoculation Loop Nichrome Wire Lab Bacteria Culture Microbiology
96	btl	1	Iron Chloride, Analytical Grade, 500g/btl
			☑AR grade, 500 g per bottle
97	btl	1	Isopropyl alcohol
			☑(CAS 67-63-0)
			☑2 liters,
			☑Anhydrous,
			☑99.5%,
98	btl	1	Kinyoun's Carbol-fuchsin stain
			☑For Cryptosporidium modified acid-fast staining procedures.
			☑1 bottle contains 500 mL
99	pcs	2	Lab Gown Long Sleeves L
			☑Lab Coat High-quality White
			☑Size- Large; long sleeves
100	pcs	2	Lab Gown Long Sleeves M
			☑Lab Coat High-quality White
			☑Long Sleeves
			☑Medium size
101	pc	1	Laboratory Burette Stand
			☑Standard laboratory burette stand
			☑Good quality White PE Burette Stand
			☑Heavy duty white polyethylene burette stand comes with a polyethylene coated metal rod which screws into the base.
			☑Whichever is available, with the hole in the center (center weighted) or at the short edge (edge weighted) as long as the 3 burette stands are the same (ex. if center weighted, then all 3 should be center weighted).
102	packs	1	Lens Tissues, 25 Sheets per Booklet, 5 Booklets
103	btl	1	Litmus Milk medium
			A bottle containing 500g powdered, used to determine the action of bacteria in Milk and in acidic or alkaline environment
104	Vial	1	Loading Dye for Electrophoresis
			Loading Dye for Electrophoresis, (2-3 colors) 6x min. concentration, at least 3ml volume PER VIAL
105	btl	3	Lugol's Solution
			Lugol's Solution 1 li/bottle;
106	btl	1	MacConkey Agar
			selective medium
			aids in identifying non-lactose fermenters (transparent or cream colonies) and lactose fermenter (red to pinkish colonies)
			supplied in 500g/bottle
107	500g ms	1	Magnesium Carbonate 500 grams
			analytical grade;

108	btl	1	Magnesium chloride, MgCl ₂
			☑ 1kg per bottle
			☑ colorless crystalline solid
			☑ Properties:
			◀ Quality Level: 300
			◀ Grade: anhydrous
			◀ Assay: ≥98%
			◀ Form: powder
			◀ Impurities: ≤0.5% Insolubles
			◀ bp: 1412 °C/1 atm (lit.)
			◀ mp: 714 °C (lit.)
			◀ Density: 2.32 g/mL at 25 °C (lit.)
109	btl	2	Magnesium Sulphate (MgSO ₄ .7H ₂ O) suitable for plant cell and tissue culture
			Wt. 169.01
			Colourless efflorescent crystals
			500 grams
110	btl	1	Malachite green stain
			☑ Use as a counterstain of Ziehl-Neelsen and Kinyoun staining.
			☑ 1 bottle contains 500 mL
			☑ Laboratory grade
111	btl	1	Manganese Chloride, Analytical Grade, 500g/btl
			☑ AR grade, 500g per bottle;
112	btl	1	Manganese sulfate (MnSO ₄ , H ₂ O) suitable for plant cell and tissue culture
			500 grams
113	pc	1	Manual Oil Press Machine
			Manual oil press extractor machine Specification:
			Raw material: peanut, seeds, nuts
			Type: manual model
			Weight: 3kg
			Size: 39*9*30cm
			Oil press machine Raw Material:
			suitable for most of the oil content is more than 25% of the oil crops, such as peanut, sunflower seed, tea seed, sesame seed, walnut, olive, coconut oil, flax seed, etc
114	pcs	5	Manual Pipette Pump
			Manual Pipette Pump (plastic), w/ fast release lever/button (2ml)
115	pcs	3	Manual Pipette Pump - 10ml
			Manual Pipette Pump (plastic), w/ fast release lever/button (10ml)
116	pcs	2	Manual Pipette Pump- 25ml
			Manual Pipette Pump (plastic), w/ fast release lever/button (25ml)
117	rolls	1	Masking tape, autoclavable, for laboratory use
			1" wide x 55m length;
118	pc	1	MASTER-RI Refractometer
			Scale Range: Refractive index 1.435 to 1.52
			Minimum Scale: Refractive index 0.001
			Size & Weight: 1.26 x 1.34 x 6.61in (3.2 x 3.4 x 16.8cm), 4.59oz (130g)
			Optional: Standard liquid LK: RE-99010, Daylight plate for small volume samplings for MASTER series: RE-2311-58M (Except viscosity sample), Calibration Certificate: NIST-traceable certificate. This will increase the lead time of the order by 2 to 3 weeks.

			Parts: Daylight plate for MASTER series: RE-2311-57M
119	boxes	2	Membrane Filter
			☑Mixed cellulose esters (MCE) membrane
			☑Naturally hydrophilic
			☑Pore size: 0.22µm-3µm,
			☑Diameter: 50mm
			☑1 box with atleast 100 pcs
			☑non-sterile
120	pcs	3	Mesh Filter Cloth
			☑Color: White.
			☑Material: Nylon
			☑Mesh: 200 mesh
			☑Size: 1m x 1m/39.4"m x 39.4"
121	btl	1	Methanol 2.5L
			Analytical Reagent Grade 2.5L per bottle;
122	btl	10	Microcapillary tube
			diagnostic purposes : blue capillary tube heparinized, 1 barrel/tube/ contains 100 tubes
123	unit	5	Microcentrifuge Rack with Cover, Reversible (2 mL/ 1.5 mL)
			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
124	boxes	6	Microscope Slides and cover slips
			☑Pre-Cleaned Blank slides with 50pcs./box 22 x 22 mm square Cover Slip
125	packs	1	Microtube Storage Boxes
			☑100-Well Microtube Storage Boxes.
			☑For 1.5-2.0 mL microtubes storage.
			☑Pack of 5
			☑Ideal for laboratory storage at -80 degree celcius
126	sets	1	MINDRAY HEMATOLOGY REAGENTS for" Mindray model (BC-2800 Veterinary Auto Hematology Analyzer)"
			☑REAGENTS for" Mindray model (BC-2800 Veterinary Auto Hematology Analyzer)"
			☑1 unit M30 Diluent 20 Lit.
			☑1 unit M30 Rinse 20 Lit.
			☑1 unit M30 CFL Lyse 500ml
			☑1 unit M30 EZ Cleanser 100ml
			☑1 unit M30 Probe Cleanser 50ml
			☑NOTE: EXCLUSIVE REAGENT FOR MINDRAY MODEL BC-2800 VET. AUTO
126	sets	1	MINDRAY HEMATOLOGY REAGENTS for" Mindray model (BC-2800 Veterinary Auto Hematology Analyzer)"
			☑REAGENTS for" Mindray model (BC-2800 Veterinary Auto Hematology Analyzer)"
			☑1 unit M30 Diluent 20 Lit.
			☑1 unit M30 Rinse 20 Lit.
			☑1 unit M30 CFL Lyse 500ml
			☑1 unit M30 EZ Cleanser 100ml
			☑1 unit M30 Probe Cleanser 50ml
			☑NOTE: EXCLUSIVE REAGENT FOR MINDRAY MODEL BC-2800 VET. AUTO

127	btl	1	Molybdc acid (sodium salt) (Na ₂ MoO ₄ , 2H ₂ O) suitable for plant cell and tissue culture
			500grams, AR;
128	btl	4	Myo-inositol suitable for plant cell and tissue culture (100gms)
129	btl	1	Naphthaleneacetic Acid, 5g
			☐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
130	btl	1	Nicotinic acid suitable for plant cell and tissue culture (100g)
131	btl	1	Nutrient Agar, 500g
132	btl	1	Nutrient Gelatin, 500g;
133	pc	2	Ordinary Vernier Caliper
			☐Plastic material
			☐Up to 150mm measuring range
			☐accuracy atleast 1mm
			☐double scale measurement
			☐no battery
			☐Ultra precision and effortless operation.
134	bag	1	Paraffin Wax
			☐Form: pellets, white
			☐Ign residue: ≤0.05%
			☐Melting point: 43-95 degrees celsius
			☐Solidification point: 54-56 degree celcius1kg per bag
135	pack	6	Paraffin, Tissue Embedding Medium, Kg
			Tissue Embedding Wax, Medium
			Pure Paraffin wax with Added Polymer for precise embedding and sectioning
136	roll	1	Parafilm M PM-996 All Purpose Laboratory Film Parafilm sealing film 4 x 125ft
137	btl	1	Paraformaldehyde
			☐Reagent or analytical grade
			☐For use in the preparation of formalin fixatives for tissues or cells when the samples are to be used in fluorescence studies
			☐Crystalline form
			☐Bottle of 25g
138	pieces	100	Pasture Pipette
			☐Pasture pipette, durable glass, 2 ml capacity, straight tip
139	gallon	1	Petroleum Ether, AR
140	pcs	2	pH Meter pen type
			☐0.1 pH resolution
			☐water-resistant/proof
141	btls	1	Phosphate Buffered Saline (PBS)
			☐10x concentrate
			☐pH 7.4.
			☐Contains 100mM phosphate buffer, 27mM potassium chloride and 1.37M sodium chloride.
			☐1 bottle contains 500 mL
			☐Laboratory grade

142	pcs	4	Plastic test tube rack 4 holes holder
			Condition: 100% Brand New
			Quantity: 1 Pc
			Size app: 18cmx4cmx6.5cm, hole diameter: app 3cm
			Material: Plastic
			Color: Blue
143	kit	1	Polymerase Chain Reaction Master Mix
			Polymerase Chain Reaction Master Mix, 100 x 50 µl reactions
144	pack	1	Polymerase Chain Reaction Tubes
			0.2ml 12 Strips Polymerase Chain Reaction Tube w/ cap, 125 pcs/pack, round caps
145	pcs	1	Polymerase Chain Reaction Tubes Rack
			Polymerase Chain Reaction Tubes rack (for storage)(w/ removable hinged lid), accommodatesaccommodates 168 x 0.2 mL + 12x 1.5ml OR 40 x 0.5 mL + 12x 1.5ml tubes. pack of 5
146	btl	1	Potassium Bromide
			☑Anhydrous
			☑Lab grade/ Analytical reagent grade
			☑Expiration date(3 years from the delivery date)
			☑Packed in Teflon bottles
147	btl	1	Potassium Chromate
			☑Anhydrous
			☑Lab grade/ Analytical reagent grade
			☑Expiration date(3 years from the delivery date)
			☑Packed in Teflon bottles
148	500g ms	1	Potassium Iodate 500g
			Analytical grade;
149	btl	1	Potassium iodide (KI) suitable for plant cell and tissue culture
			Molecular weight 166; 500 grams;
150	btl	1	Potassium iodide (KI) suitable for plant cell and tissue culture
			Molecular weight 166; 500 grams;
151	kgs	3	Potassium Nitrate (KNO ₃) suitable for plant cell and tissue culture
			1 kilogram of Potassium Nitrate;
152	btl	3	Potassium Phosphate (KH ₂ PO ₄) suitable for plant cell and tissue culture
			500 grams
153	btl	2	Potato Dextrose Agar (PDA), 500 grams
154	set	2	PPE Medical Grade Coverall Suit
			☑Free size (best fit Small to XL)
			☑Microfiber and Tafetta Water Repellant
			☑Washable and Reusable
			☑Garterized hood, cuffs, ankle and waist
			☑Lightweight
155	Ampu le	1	Primer for Campylobacter
			☑Forward-reverse primer for Campylobacter
			☑Ampule
156	Ampu le	1	Primer for E.coli O157H7
			☑Primers, forward and reverse oligonucleotides for stx1 and stx 2 of E. coli O157H7
			☑Ampule

157	Ampule	1	Primer invA for Salmonella
			■Primer, oligonucleotides forward and reverse for invA of Salmonella
			■Ampule
158	sets	2	Primer sets for qPCR
			Paid services to synthesize, pack the lyophilized primers, and send them to the end user
159	btl	1	Pyridoxine.HCl suitable for plant cell and tissue culture(25g)
160	btl	1	Rappaport Vasiliadis, 500g
161	pack	1	Resealable Plastic Bag, Large
			■resealable pastic bag, zip lock, 340 mm x 450 mm (13" x 18"), 100 pcs per pack
162	pack	1	Resealable Plastic Bag, Medium
			resealable plastic bag, zip lock, 140 mm x 200 mm (5 1/2" x 7 1/2"), 100 pcs per pack
163	btl	1	Resorcinol, AR, 250 grams
164	btl	1	Rose Bengal (for Biological Stain)
			Appearance: Dark to reddish brown colored powder
			Compositon: Dye content, greater than or equal to 80%
			Solubility (1mg/mL in water): Clear to slightly hazy red color solution
			Application: Diagnostic assay manufacturing, Hematology, Histology
			Quantity: 25g
			Packaging: Glass Bottle
			Storage temperature: Room temperature
			Grade: Certified by the Biological Stain Commission
165	btl	1	Sabouraud Dextrose Agar, 500g
166	box of 50's	5	Scalpel Blade
			■Stainless Steel
			■100 blades/box
167	pcs	5	Scalpel Handle
			■#4, Stainless steel
168	btls	2	Sheather's sugar flotation solution
			■Sheather's sugar flotation solution
			■With a specific gravity of 1.25 to 1.27.
			■For the fecal flotation method.
			■Laboratory grade
			■1 bottle contains 1 L of solution.
169	set	1	Sieve no.10 with cover and pan
			■Sieve No. 10 (8" Sieve, All Brass, Full Height, No. 10 Mesh); Eye opening: 2000 µm (0.0787in)
			■Sieve Pan (8" Brass Sieve Pan, 2" Deep, Full Height)
			■Sieve Cover (8" Brass Sieve Cover Lid)
170	sets	1	Sieve no.50 with cover and pan
			■Sieve No. 50 (8" Sieve, All Brass, Full Height, No. 50 Mesh); Eye opening: 300 µm (0.0118in)
			■Sieve Pan (8" Brass Sieve Pan, 2" Deep, Full Height)
			■Sieve Cover (8" Brass Sieve Cover Lid)
171	btl	2	Sodium Chloride
			Analytical Reagent Grade 500g per bottle
172	btls	1	Sodium Hydroxide, Technical Grade, 1KG, Pellets
			■Technical grade, pellets, 1 kg
173	btl	1	Sodium Iodide
			■Anhydrous

			<ul style="list-style-type: none"> ☑ Lab grade/ Analytical reagent grade
			<ul style="list-style-type: none"> ☑ Expiration date(3 years from the delivery date)
			<ul style="list-style-type: none"> ☑ Packed in Teflon bottles
174	pcs	10	Soil Scoop/Shovel, plastic
175	kit	2	Soil Tester Kit - 20 tests
			Rapid test Soil Tester Kit for pH N P K; 20 tests
176	set	1	Stainless Steel Mesh Sieve (Set)
			<ul style="list-style-type: none"> ☑ Mesh Type: Stainless Steel Mesh ☑ Sieve Frame: Stainless Steel Frame ☑ Measurement of 6 sieves: <ul style="list-style-type: none"> ◀ No. 5 (4,000 micron) ◀ No. 10 (2,000 micron) ◀ No. 35 (500 micron) ◀ No. 60 (250 micron) ◀ No. 120 (125 micron) ◀ No. 230 (63 micron) ☑ Sieve diameter: 7 inches (approximation) ☑ Includes: Lid and Catch Pan for every sieve
177	btl	1	Standard Buffer solution
			pH 4, 1000 ml; calibration certificate included
178	pcs	3	Standard Lab Test Sieve
			<ul style="list-style-type: none"> ☑ Stainless Steel Sieve. ☑ Size: diameter 20cm, ☑ height 5cm. ☑ Aperture: 100um ☑ mesh 0.15mm aperture
179	btl	1	Standard Method Agar (PCA)
			Plate Count Agar; 500g;
180	btl	1	Sterile Nuclease-Free Water
			Sterile Nuclease-Free Water (at least 500ml)
181	pc	17	Stirring Rod
			<ul style="list-style-type: none"> ☑ Standard Size ☑ Good Quality ☑ with rubber policeman
182	pcs	10	Storage Tray
			<ul style="list-style-type: none"> ☑ Tray basket organizer ☑ Product Dimension: L(19.3cm), W(24.5cm), H(6.5cm) ☑ Plastic, any color
183	btl	1	Sucrose
			Analytical Reagent Grade 500g per bottle
184	kgs	1	Sucrose, Grade I, suitable for plant cell and tissue culture
			1 kilogram;
185	btl	1	Sulfuric Acid - 95-98%
			<ul style="list-style-type: none"> ☑ Free from suspended or insoluble matter ☑ Nominally 95-98% H₂SO₄ ☑ 1 bottle contains 500 mL
186	set	1	SYBR Green Real-Time PCR Master Mix
			<ul style="list-style-type: none"> ☑ Use for Real-Time PCR (qPCR) ☑ Concentration: 2X ☑ Detection Method: SYBR ☑ No. of Reactions: => 200 Reactions. ☑ Total volume: => 5 mL ☑ With polymerase included (e.g., AmpliTaq Gold DNA Polymerase).
187	btl	1	Tertiary Butyl Alcohol (TBA), Technical, 1L/btl
			tert-Butanol, synthesis grade
			(CH ₃) ₃ COH

188	pcs	3	Test Tube Rack, 12 x 4 for 13 x 100mm test tubes ☑Stainless steel;
189	pc	2	Test Tube Rack, 13mm, 90 placer ☑Propylene, 13mm diameter hole, 90 placer;
190	pc	3	Test Tube Rack, 20 mm x 24 tubes ☑Stainless Steel, 20 mm diameter holes, capacity 24 test tubes;
191	pcs	3	Test Tube Racks, 12MM x 12Holes Stainless Steel Holes Test Tube Rack; ;
192	boxes	1	Test Tubes, 16 x 100mm, 100 pcs/ box ☑borosilicate glass, heat resistant, rimless;
193	btl	1	Tetrathionate Broth Base, 500g
194	btl	1	Thiamine.HCl suitable for plant cell and tissue culture (25gms)
195	gms	1	Thidiazuron (TDZ) suitable for plant tissue culture
196	pack	1	Thin Walled Polymerase Chain Reaction Tubes Thin Walled Polymerase Chain Reaction Tubes, non-sterile, 1000 pcs, 0.2ml, DNase/RNase free (flat cap)
197	btl	1	Tris-acetate-EDTA (TAE) Tris-acetate-EDTA (TAE) buffer 10x, 1000 ml, for molecular biology (or equivalent concentrate)
198	btl	1	Tris-EDTA Buffer Solution Tris-EDTA buffer solution, for molecular biology, pH 8.0±0.1 (25 °C), DNase, RNase, protease, phosphatase-free, 500ml
199	btl	1	Tryphtophan Analytical Reagent Grade 500g per bottle
200	btl	1	Trypticase Soy Agar ☑General growth medium ☑Powder agar ☑500 g per bottle
201	btl	1	Trypticase Soy Broth, 500g
202	Box of 100's	1	Urine Strips (Right Sign) 10u
203	pcs	3	Utility Bucket ☑Utility bucket/ pail with ☑Cover. ☑Capacity: 10L Product ☑Dimension: L(27cm), W(27cm), H(26cm)
204	gallon	1	Vaccum Pump Oil 19 ☑Vaccum Pump Oil 19 Grade ☑atleast 1 Gallon
205	tubes	2	Vacutainer EDTA Tubes ☑blood collection tubes, 2 ml
206	btl	1	Violet Red Bile Agar, 500g
207	pc	10	Wash Bottle, 250mL cap. ☑Material: Plastic (good quality);
208	sets	2	Water Purifier Filter Cartridge Sets ☑Water Purifier Filter Cartridge Set: ☑Includes: (designed for SCSJ-III 15L Water Purifier) ◀2 pieces of 10" Polypropylene Pleated Filter Cartridge (1 or 5 microns) ◀4 pieces of 10" Activated Carbon Filter Cartridge ☑Purpose: SHOULD fit the SCSJ-III 15L Water Purifier
209	piece	1	Water Quality Test Meter ☑2 in 1 kit, with calibration packets and user's manual

			◀1 TDS meter
			◀1 pH meter
			☑Hand-held and portable, pen-sized
			☑Color: yellow (pH) + blue (TDS)
			☑Material: plastic + metal
			☑Size: length 15.4cm
			☑Accurate reading
			☑Good quality
			☑Durable
210	pack	3	Whatman® qualitative filter paper, Grade 1
			☑Material: cellulose filters, circles
			☑Pack Size: 100 pcs
			☑manufacturer/tradename
			☑Tradename: Whatman 1001-325, Whatman Article No. 28413923 (US reference)
			☑Parameter: 0.25 psi wet burst
			☑Diameter :25 mm
			☑Thickness: 180 µm
			☑Pore size: 11 µm (Particle retention)
			☑Basis weight: 87 g/m2
211	btls	3	Wright Stain
			Diagnostic reagents: packaging or set Wright stain 500 ml, Buffer for Wright stain 500 ml
212	btl	1	XLD Agar
			☑Selective medium for Salmonella
			☑Powder agar
			☑500 g per bottle
213	btl	1	Yeast Potato Dextrose Agar, 500g
214	btl	1	Zinc sulfate (ZnSO ₄ , 7H ₂ O) suitable for plant cell and tissue culture
			☑molecular weight: 287.54
			☑500grams
215	packs	1	Activated Acid-washed Charcoal
			☑Chemical must be plant tissue culture tested for at least 20 years
			☑ISO complaint
			☑ACS REAG
			☑PH EUR
			☑meets USP Standards
			☑Bioreagent suitable for cell culture
			☑2.5kg per pack
216	pcs	1	Aluminum Foil Jumbo Roll
			☑300 meters x 12 inches
217	packs	2	Ammonium Acetate, AR, 500g
218	500gr ms	1	Ammonium Molybdate
			Analytical Reagent - 500grams
219	pcs	3	Burette Brush
			big size for 50ml burette
220	L	2	Dimethyl Sulfoxide, Analytical Reagent
221	btl	1	Kjeltabs
			☑Chemical Name or Material: Copper Kjeltabs
			☑CAS: 7758-99-8
			☑Form: Flat Round Speckled Tablets
			☑Pack Size: 1000 tablets
222	kg	1	Sodium Carbonate
			Analytical Grade, 1.00 kg
223	packs	20	Sodium Hydroxide, Technical Grade, 1kg/pack

224	liter	1	Triethanolamine, AR
225	pc	1	60X Achromatic Objective Lens, NA=0.80
			
226	pc	1	acA1920-25um Monochrome USB 3.0 Camera (2 megapixel and 25 frames per second)
			
227	pc	1	100X DIN Plan Commercial Grade Objective, NA= 1.25
			
			Rebidding (from GOODS-22-45)
228	unit	1	20.6 cu.ft. Heavy Duty Side by Side Inverter Refrigerator
			☑20 cu.ft. HD Inverter Side by Side Refrigerator
			☑No-frost Refrigerator
			☑Energy efficient inverter compressor
			☑Quick freeze and quick chill mode
			☑Digital Temperature Control with LED Display
			☑Independent Temperature Control
			☑Child Lock
			☑Vacation Mode
			☑Eco-LED Lights
			☑Spill – Proof Tempered Glass Shelves
			☑Heavy Duty Handle
			☑Textured Body (Rust and Stain Resistant)
			☑3 Twist Ice Cube Trays and Ice Cube Container
			☑Adjustable Leveling Feet
			☑Input Power: 170W
229	pcs	50	Aluminum Soil Moisture Can
			Dimension: 40-50 mm diameter, 30-40 mm height
			Material: Aluminum
230	pack	3	Ammonium Acetate, AR, 500g
231	btl	1	Ammonium Chloride, Analytical Grade, 500g/btl

			<ul style="list-style-type: none"> ☑AR grade, 500g per bottle
232	tubes	35	<p>Antibiotic Discs</p> <p>Used for sensitivity testing of antibiotic residue</p> <p>7 tubes per antibiotic group (50 discs/tube)</p> <ol style="list-style-type: none"> 1. 7 tubes- Beta-lactams (Penicillin and Cephalosporins) - Penicillin G, Amoxicillin 2. 7 tubes- Sulfonamides - Sulfadiazine, Sulfanilamide and Sulfamidine, Trimethoprim-sulfamethoxazole 3. 7 tubes- Tetracyclines - oxytetracycline, tetracycline and doxycycline 4. 7 tubes- Quinolones - ciprofloxacin, enrofloxacin 5. 7 tubes- Macrolides - erythromycin, azithromycin, tilimicosin, tylosin
233	btl	1	<p>Calcium Chloride Dihydrate</p> <ul style="list-style-type: none"> ☑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
234	unit	2	<p>Dial Oven-Safe Thermometer (Bimetal)</p> <p>Reads in 1-2 minutes</p> <p>Place 2 - 2 1/2 deep in thickest part of food</p> <p>Can be used in roasts, casseroles, and soups</p> <p>Not appropriate for thin foods</p> <p>Can remain in food while it's cooking</p> <p>Heat conduction of metal stem can cause false high reading</p> <p>Can be calibrated</p>
235	pieces	2	<p>Drager Aspirator Bulb</p>
236	unit	1	<p>Dryer Oven/Sterilizer with UV Lamp</p> <p>Dryer Oven/Sterilizer with UV Lamp</p> <p>Made for the sterilization of various laboratory apparatus</p> <p>Constantly heats the inside for the drying of equipment</p> <p>Comes with a UV lamp inside the unit for effective sterilization</p> <p>Specifications:</p> <p>Temperature: 60°C</p> <p>Electrical: 220v 0.8KW/4A</p> <p>Capacity: 72L</p> <p>Dimensions (W x D x H): 59 in x 56 in x 70 in</p> <p>Pre-installed UV Light</p> <p>Comes with (5) extra UV germicidal lamps</p>
237	unit	1	<p>Fall cone Penetrometer Apparatus</p> <p>80g weight of test cone (30 degrees apex angle) Aluminum base with dial gauge</p>
238	unit	2	<p>Multi-Functional LCD Digital Multimeter Auto Range DMM with Temperature Detector DC AC Voltage</p> <ul style="list-style-type: none"> ☑Large LCD display of 41mm character height ☑Measure DC/AC voltage/current, diode, resistance, capacitance, temperature and continuity test. ☑Max. display value: 6000. ☑Can test the temperature with unit of °C / °F.

			<ul style="list-style-type: none"> ☑Includes relative value testing, duty cycle test, data hold, MAX/MIN value hold and auto power off function. ☑With overload protection on all ranges. ☑Low battery indication and warning alarm function. ☑Equipped with a back bracket for supporting multimeter, and also can collect test probe. ☑Protected by rubber for drop protection. ☑Great for troubleshooting automotive and household electrical problems.
239	pc	2	Munsell Soil Color Book Color chips are mounted on neutral gray, 7.25x4.25in (184x108mm) water resistant pages in an 8x16in (203x152mm) loose-leaf binder
240	pc	1	NE-300 Just Infusion™ Syringe Pump 
			1. Holds 1 Syringe from micro-liter sizes up to 60 mL. (140 mL partially filled) 2. Infusion rates from 0.73 µL/hr (1 mL syringe) to 1500 mL/hr (60 mL syringe) 3. Operates from included 12VDC power supply
241	unit	4	Pillow block bearing (1/2" inside diameter)
242	pc	4	Shrinkage Limit Glass Plate Dimension: 3.25x3.25x0.25 in (83x83x6mm)
243	btl	1	Sodium Hexametaphosphate, 500g/btl
244	unit	1	Soil Dispersion Mixer Meets standards: AASHTO and ASTM Motor: 1/3 hp RPM: 1300x0, 16,000, and 18000rpm speeds Electrical: 115V/60Hz, 7.5Amps or 230V/50-60Hz, 1.3 Amps With Accessories: Replacement blade and Dispersion cup
245	pc	35	Soil Sample Rings (Core Sampler) Dimension: 50-60mm diameter, 50-60 mm height, outer diameter apprx. 53mm with cover or plastic end cups Material: Aluminum
246	btl	2	Strontium Chloride ☑Anhydrous ☑Lab grade/ Analytical reagent grade ☑Expiration date(3 years from the delivery date) ☑Packed in Teflon bottles
247	tubes	4	Test Organisms for Sensitivity Testing pure culture of <i>Bacillus subtilis</i> , <i>Bacillus cereus</i> and <i>Escherichia coli</i> with identified strain/serotype for use as test organisms for sensitivity testing of antibiotic residue in meats Qty: 1 tube per test organism *to be purchased from the UP Los Banos. –
248	pcs	2	Multi-Function high-speed Grinding Machine Justification Large quantity of pulverized sample is required for the extraction of essential oils to

			<i>facilitate sufficient quantity of essential oil needed for physico-chemical and antimicrobial</i>	
			analysis.	
			Specification	
			<i>1kg - 1500 kg capacity</i>	
			<i>220 watts voltage</i>	
			<i>Rated Power: 1500W</i>	
			<i>28000 rpm rotation speed</i>	
			<i>pulverizer and swing type</i>	
			<i>accessories to include: blade, carbon brush, mesh and manual</i>	
				

Section VII. Technical Specifications

Technical Specifications

Item No.	Unit	Qty	Description	Statement of Compliance
1	kit	3	16 in 1 Drinking Water Test Kit	<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>
			Professional Hardness Testing Kits, Tap and Well Water Test Strips with Hardness, PH, Mercury, Lead, Iron, Copper, Chlorine, Chromium/Cr, Cyanuric Acid	
2	boxes	2	22 mm x 22 mm cover slip (0.13- 0.16 mm thickness)	
			at least 72 pcs. per box	
3	boxes	20	3 layer Non-woven surgical face mask, at least 50 pcs. per box	
4	pairs	2	3.5 Mm Gloves Grey M	
			<ul style="list-style-type: none"> ☐ 5 finger neoprene gloves ultraspan in addition to the already full range of gloves cressi. ☐ For this particular model have been studied as important as the depth of the fingers, perfect closing of the wrist, not through seams. ☐ 100% Neoprene. ☐ Gloves. ☐ Made from 3,5 mm neoprene ultra. 	
5	gallon	30	95% Ethyl Alcohol, Technical Grade (Gallon)	
6	btls	1	Absolute Ethanol - 99.5%	
			Purity (GC): ≥ 99.5 %; 1 bottle contains 1 liter	
			Purity (GC): ≥ 99.5 %; 1 bottle contains 1 liter	
7	btl	1	Absolute Methanol - 99.5%	
8	gal	1	Acetone	
			<ul style="list-style-type: none"> ☐ Technical Grade ☐ 1 gal 	
9	gms	1	Activated Charcoal suitable for plant cell and tissue culture (5g)	
			5 grams	
10	kilos	3	Agar Agar	
11	500g ms	5	Agar for plant cell and tissue culture	
			500 grams;	
12	btl	1	Agar Powder	
			for plant tissue culture, 1kg;	
13	btl	4	Alcohol Burner	
			<ul style="list-style-type: none"> ☐ Burner Lamp ☐ Clear Glass Lab ☐ 150mL 	
14	gallon s	5	Alcohol, Denatured	
15	L	20	Alcohol, Ethyl	
16	liters	14	Alcohol, Ethyl, 95% (Tech)	
17	btls	1	Ammonia, NH3	
			Concentrated, Analytical reagent grade, 2.5L/bottle	
18	kgs	3	Ammonium nitrate (NH4NO3) suitable for plant cell and tissue culture	
19	btl	1	Ammonium Sulfate, 500g/btl.	
			<ul style="list-style-type: none"> ☐ Anhydrous ☐ Lab grade/ Analytical reagent grade ☐ Expiration date (3 years from the delivery date) ☐ Packed in Teflon bottles 	
20	pc	1	Analytical Balance (500/0.001 g)	

21	unit	1	Anemometer (8 in 1)
			☑Anemometer (8 in 1 LCD Digital Anemometer Wind Speed Temperature Humidity Altitude Tester)
			☑Material: ABS
			☑Model: TL-303
			☑Color: Black
			☑Power Supply: 300mAh Rechargeable Lithium Polymer
			☑Power Supply Model: 602030
			☑Wind Speed Range: 0-30m/S; 0-5860ft/Min; 0-55 or 0-90km/H; 0-65 Miles
			☑Resolution: 0.1 M/S; 19ft/Min; 0.2 Knots; 0.3km/H; 0.2 Miles/Hour
			☑Accuracy: ±5%
			☑Cold Wind Range: -40-10°C (0-30m/S); -49-50°F (0-65mph)
			☑Resolution: 0.1°C; 0.1°F
			☑Accuracy: ±1°C; ±1.8°F
			☑Temperature Range: -29-70°C; -20-158°F
			☑Resolution: 0.1°C; 0.1°F
			☑Accuracy: ±1°C; ±1.8°F
			☑Relative Humidity Range: 0-100%RH
			☑Resolution: 0.1%RH
			☑Accuracy: ±3%RH
			☑Thermal Index Range: 21.1-54.4°C (0-100%RH); 70-130°F (0-100% Relative Humidity)
			☑Resolution: 0.1°C; 0.1°F
			☑Accuracy: ±2°C; ±3.6°F
			☑Dew Point Range: -29-70°C; -20-158°F
			☑Resolution: 0.1°C; 0.1°F
			☑Accuracy: ±2°C; ±3.6°F
			☑Air Pressure Range: 10-1100hpa; 10-1100mbar; 0.29-32.48 Inches
			☑Resolution: 0.1hpa; 0.1mbar; 0.01kpa
			☑Accuracy: ±1.5hpa; ±1.5mbar; ±0.05in measuring column Altitude Range: -700-9000m; -6000-300ft
			☑Resolution: 1m; 1ft
			☑Accuracy: ±12m; ±50ft
			☑Size: Approx. 120x50x25mm / 4.7x2.0x1.0inWeight: Approx. 229g / 8.1oz
			☑Package List:
			☑1 x Anemometer1 x USB Cable1 x Bag1 x Hanging Rope1 x Manual
22	btl	1	Anhydrous Sodium Sulfate, AR
			Analytical grade
			Anhydrous
			Powder form
			Size: 500g per bottle
23	btl	1	Ascorbic acid
			☑Analytical reagent grade, crystalline powder, 25 g/bottle
24	pcs	2	Autoclave Tape
			turns black at 250°F,
			width - ¾ inch
			length- minimum of 60 yards
25	btls	1	Barfoed's Reagent Solution 1000mL
			Technical Reagent Grade 1000mL per bottle
26	unit	2	Bcd Black - Large
			Scuba BCD offers unparalleled comfort, security and excellent lift capacity for an even more enjoyable dive .

			Description: Scuba BCD offers unparalleled comfort, security and excellent lift capacity for an even more enjoyable dive. Features: Excellent lift capacity Light, strong and durable denier 420 Improved fit: Swiveling buckles, shoulders, low-cut aircell SLS integrated weight system 3-dimensional zippered self-draining pockets 2 rear trim weight pockets Reduced weight: Travel friendly
27	pc	5	Beaker, Glass, 1000mL
			■1000mL capacity, borosilicate glass;
28	pc	5	Beaker, Glass, 500mL
			■500mL capacity, borosilicate glass;
29	btls	3	Benedict's Solution 1000mL
			Technical Reagent Grade 1000mL per bottle;
30	btl	3	Benzylaminopurine (BAP) suitable for plant cell and tissue culture (5g)
			5 grams;
31	gallon	1	Bleach, liquid, 99.9% antibac, 1 gallon
32	btl	1	Blood Agar Base
			Enrichment medium and used for the hemolysis test.supplied in 500g/bottle
33	btl	1	Boric acid (H3BO3) suitable for plant cell and tissue culture
			molecular weight: 61.83; 500 grams;
34	btl	1	Brain Heart Infusion Broth, 500g
35	btl	1	Brilliant Green Agar
			■Salmonella selective medium
			■500g per bottle
36	btl	2	Buffer solution, pH 7, 1000 ml.
37	btl	1	Buffer solution, pH 9, 1000 ml.
38	pc	1	Burette clamp
			■Good Quality
			■Double Burette Clamp
			■Can Hold 50mL Burette
39	pc	1	Burette with Glass Stopcock
			■Burette with Glass Stopcock
			■Material: Glass/Borosilicate Glass
			■Capacity: 50mL
			■For Acid
40	btls	1	Calcium Chloride
			■AR grade; 500g
41	btl	2	Calcium Chloride (CaCl2) suitable for plant cell and tissue culture
			Dried
			1.5-2.5mm
			Molecular Weight: 246.47
			500grams
42	btl	1	Campylobacter Selective Agar + Supplement, 500g
43	btl	2	Canada Balsam, for microscopy, 100ml
44	L	5	Capillary Clay Sealer/wax
			Its a Clay Sealant and Specimen Holding Tray
			Clay sealant and 24-place holding tray for all types of microhematocrit capillary tubes.
			This capillary tube sealing tray contains a unique wax compound that quickly forms a leak-tight seal. Non-toxic, non-drying and non-hardening, the sealant is formulated to withstand centrifugation. There is no need for plastic caps or heat sealing. The tray has 24 numbered places for easy patient identification.
			A hard, brittle wax orange in color useful

			for sealing crystals in glass capillaries. When applied properly, Capillary Wax will provide an airtight seal. Also referred to as sticky wax even though it is not sticky at room temperature.
45	btl	1	Carmin Powder, AR, 25g/btl
			Carmin powder is a red compound used for staining.
46	unit	5	Centrifuge Rack, Multifunction
			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
47	btl	2	Chloroform 2.5L
			Analytical Reagent Grade 2.5L per bottle
48	btl	1	Cobalt chloride (CoCl ₂ , 6H ₂ O) suitable for plant cell and tissue culture
			■Molecular weight: 249.6
			■500g
49	piece	1	Compound Binocular Microscope
			Head: 45° Inclined Binocular, 360° rotation
			Eyepiece: 10x Wide Field Eyepiece
			Nosepiece: 4 Position
			Optical Magnification Range: 40 to 1000x
			Objectives: 4x, 10x, 40x, 100x
			- Achromatic Optics
			Mechanical Stage/ Slide Holder: 5.5 x 5.5 inches
			Focusing: Coarse and Fine
			Illumination: Halogen Illumination
			Dimmer: Yes
			Body Frame: Metal frame with Gray Finish
			Weight: Approximately 12.3 lb / 5.5 kg
50	btl	1	Copper sulfate, CuSO ₄
			■Anhydrous, Analytical reagent grade, 500g/bottle
51	pcs	3	Cryogenic Boxes
			Cryogenic boxes w/ dividers, plastic, 9x9 or 10x10, transparent, for 1.5/2.0mL tubes, 81-100 wells, natural color, w/ hinge and snap clasp, autoclavable
52	unit	2	Cryovial External Thread
			Cryovial external thread, 1.8ml, 500s;
53	btl	1	Cupric sulfate (CuSO ₄ , 5H ₂ O) suitable for plant cell and tissue culture
			500 grams;
54	btl	1	Cyclohexene
			Analytical Reagent Grade 2.5L per bottle
55	btl	1	Cysteine
			analytical reagent grade 25g per bottle
56	btl	1	Decarboxylase broth base
			A 500g Medium employed to serve the purpose of differentiating bacteria on the basis of their ability to decarboxylate the amino acids.
57	kit	4	Digital PH TDS EC Meter kit
			■Digital pen style pH meter
			■TDS meter tester
58	unit	1	Digital Weighing Scale- 0.01-5kg
			■Capacity: 0.01g to 5kg
			■Type: Laboratory Balance
			■Power Supply: 100-240V/50-60H

			<ul style="list-style-type: none"> ☐Size: 320*205*100mm
59	boxes	1	Disposable Gas Generator Envelopes
			<ul style="list-style-type: none"> ☐Anarobic and CO2 indicator ☐for GasPak system ☐10 foil envelopes per box
60	set	1	DNA extraction kit
			<ul style="list-style-type: none"> ☐Extract genomic DNA from different samples (e.g., manure, blood, tissue). ☐Silica-gel membrane-based spin-column technology ☐All buffers, elution water, and microtubes included. ☐=>50 DNA preparations
61	Vial	1	DNA Ladder
			DNA Ladder 50bp, 50 µg, with loading dye
62	Vial	1	DNA Ladder 100Bp
			DNA Ladder 100bp, for at least 50 lanes, with loading dye
63	pcs	2	Driver Dive Computer
			<ul style="list-style-type: none"> ☐All the main infos on the same screen: dive and Ascent speed, temperature, dive time and surface time, depth ☐Setting for Fresh or salt water ☐Most function to calculate the minimum surface recovery time and rehydration alert ☐Users can deactivate all the light and sound alerts, while maintaining the continuous control of the dive profile on the display ☐Extensive Logbook memory divided into downloadable sessions and individual dives
64	packs	2	EDTA 2ml (Collection tube for Complete Blood Count)
65	btls	1	Eosin Methylene Blue Agar
			<ul style="list-style-type: none"> ☐Agar powder ☐Culture media ☐500 g per bottle
66	gallon	5	Ethanol
			AR grade, 2.5L, at least 95% v/v
67	btl	5	Ethanol Absolute
			2.5 Liters/ bottle;
68	btl	2	Ethylenediaminetetraacetic acid disodium salt (Na ₂ -EDTA) suitable for plant cell and tissue culture
			500 grams;
69	btl	2	Ferrous sulfate (FeSO ₄ , 7H ₂ O) suitable for plant cell and tissue culture
			500 grams;
70	box of 50's	1	Filter Paper
			<ul style="list-style-type: none"> ☐Filter Paper No.1 ☐Qualitative Circles 125mm (12.5cm) ☐Qty/box: 100 pieces per box ☐Porosity: Medium ☐Flow Rate: Medium
71	boxes	2	Filter paper Grade 41
			<ul style="list-style-type: none"> ☐Parameters: Grade 41 Fast ashless filter paper, 125 mm circle (100 pcs.). ☐Grade: Grade 41 ☐Format: Circles ☐Type: Ashless ☐Typical Particle Retention in Liquid: 20 micron ☐Nominal basis weight: 85 g/m squared ☐Typical water flow rate: 254 ml/min ☐Nominal air flow rate: 4 s/100 mL/square inch

			<ul style="list-style-type: none"> ☑Nominal as Content 0.007%
			<ul style="list-style-type: none"> ☑Material: High quality cotton linters
			<ul style="list-style-type: none"> ☑alpha Cellulose Content Min.: >97%
72	pcs	2	Finepoint High Precision Forceps
			<ul style="list-style-type: none"> ☑Tip Style: Fine
			<ul style="list-style-type: none"> ☑Material: Stainless Steel
			<ul style="list-style-type: none"> ☑Length 4.5"
73	unit	8	Fire Extinguisher, HCFC-123, 10lbs (new)
			SAFETY EQUIPMENT AND DEVICES
			Clean Agent
			BPS Certified,
			HCFC-123,
			with Free Wall Bracket,
			BFP Approved
			10lbs capacity tank
			with pressure gauge
			Nozzle and handle
74	btl	1	Fructose
			Analytical Reagent Grade, 500g per bottle
75	kit	1	Genomic DNA Extraction Kit
			<ul style="list-style-type: none"> ☑Extract genomic DNA from different samples (e.g., manure, blood, tissue).
			<ul style="list-style-type: none"> ☑Silica-gel membrane-based spin-column technology
			<ul style="list-style-type: none"> ☑All buffers, elution water, and microtubes included.
76	btls	3	Giemsa stain set
			Diagnostic reagents, packaging 1bx or set Giemsa 500ml, Buffer for Giemsa 500 ml
77	btl	1	Glacial Acetic Acid
			<ul style="list-style-type: none"> ☑Analytical Reagent grade 2.5L per bottle
78	pcs	3	Glass Staining Block with Cover
			<ul style="list-style-type: none"> ☑Clear polished glass
			<ul style="list-style-type: none"> ☑Cavity 30mm diameter x 6mm deep
			<ul style="list-style-type: none"> ☑Complete with flat glass cover
			<ul style="list-style-type: none"> ☑40mm square to minimize evaporation
79	set	2	Glassware Vacuum Filtration Memne Buchner Funnel Flask Apparatus Kit
			Glassware Vacuum Filtration Memne Buchner Funnel Flask Apparatus Kit with Manual Pump and MCE Filter
			- Materials: borosilicate glass, rubber, aluminum, abs
			- Diameter of Sand Cone: 40mm, 40mm is also the inner diameter of the filter joint. So you have to choose the membrane filters of larger size than Diam. 40mm.
			- Filter Flask Capacity: 500ml or 1000ml
			- Graduated Funnel Capacity: 300ml (50mL graduations for quick, easy measurement)
			- Funnel Top Diameter: 8cm; the filter is 12cm high.
			- Funnel Top Volume: 300ml
			- Membrane diameter: 50mm
			- Membrane filter size: 0.22/0.45um
			- Manual Pump: ABS material, -600mm Hg.
80	box of 50's	14	Gloves, Nitrile, Large
			<ul style="list-style-type: none"> ☑Glove Type: Chemical Resistant Disposable Gloves
			<ul style="list-style-type: none"> ☑Glove Material: Nitrile
			<ul style="list-style-type: none"> ☑Powder-Free
			<ul style="list-style-type: none"> ☑1 box of 100 or 50 pairs
			<ul style="list-style-type: none"> ☑Food Safe
			<ul style="list-style-type: none"> ☑Size: large

81	box of 50's	9	Gloves, Nitrile, Medium
			☑Glove Type: Chemical Resistant Disposable Gloves
			☑Glove Material: Nitrile
			☑Powder-Free
			☑1 box of 100 or 50 pairs
			☑Food Safe
			☑Size: Medium
82	box of 50's	7	Gloves, Nitrile, Small
			☑box or 100-50 pairs, small
			☑natural rubber latex-free, powderless
			☑micro grip
83	btl	1	Glycerol
			☑Molecular biology grade, ≥99.0% assay quality
			☑Suitable for cell culture, insect cell culture, and electrophoresis
			☑Dnase-free, Rnase-free, NICKase-free, and protease-free
			☑Liquid form
			☑Bottle of 500mL
84	btl	2	Glycine
			☑Molecular biology, ≥99.0% assay quality
			☑Suitable for protein analysis, SDS-PAGE and Western blot
			☑DNases and Rnases free
			☑Phosphatases and proteases free
			☑Crystalline form
			☑Bottle of at least 500g
85	btl	1	Gowers diluting fluid
			contents 500 ml RBC diluents used to count RBC
86	btls	3	Gram Stain
			Diagnostic Reagents :Packaging Box/set Grams Grams Crystal violet 500 ml, Grams Iodine 500 ml, Grams stain decolorizer, Safranin 500 ml
87	unit	1	Hand Soil Auger
			☑Material: stainless steel
			☑Auger length: 25cm
			☑Length: 0.5m
			☑External Diameter: 38mm
88	per 100 pcs.	2	herbarium sheet 42 x 29cm
			color: white
89	btl	1	Histidine
			Analytical Reagent Grade 25g per bottle
90	btl	1	Hydrochloric Acid
			☑AR grade
			☑2.5 liter/btl.
			☑36.5-38%
			☑impurities <1ppm free chlorine
91	btls	1	Hydrochloric acid, HCl
			Analytical reagent grade, concentrated, 2.5L/bottle
92	btl	3	Indoleacetic acid (IAA) suitable for plant cell and tissue culture (5g)
93	gms	3	indolebutyric acid (IBA)
			Suitable for plant tissue culture 5 gms.
94	L	1	Infrared Loop sterilizer
			Infrared Loop Sterilizer DS900,220v laboratory electric

			heating high temperature, disinfection infra-red sterilizer, used to disinfect or sterilize inoculating loops/needles for isolating microorganisms
95	pack of 10's	2	Inoculating Loop Stainless Steel
			☐10PCS 1-6mm Inoculation Loop Nichrome Wire Lab Bacteria Culture Microbiology
96	btl	1	Iron Chloride, Analytical Grade, 500g/btl
			☐AR grade, 500 g per bottle
97	btl	1	Isopropyl alcohol
			☐(CAS 67-63-0)
			☐2 liters,
			☐Anhydrous,
			☐99.5%,
98	btl	1	Kinyoun's Carbofuchsin stain
			☐For Cryptosporidium modified acid-fast staining procedures.
			☐1 bottle contains 500 mL
99	pcs	2	Lab Gown Long Sleeves L
			☐Lab Coat High-quality White
			☐Size- Large; long sleeves
100	pcs	2	Lab Gown Long Sleeves M
			☐Lab Coat High-quality White
			☐Long Sleeves
			☐Medium size
101	pc	1	Laboratory Burette Stand
			☐Standard laboratory burette stand
			☐Good quality White PE Burette Stand
			☐Heavy duty white polyethylene burette stand comes with a polyethylene coated metal rod which screws into the base.
			☐Whichever is available, with the hole in the center (center weighted) or at the short edge (edge weighted) as long as the 3 burette stands are the same (ex. if center weighted, then all 3 should be center weighted).
102	packs	1	Lens Tissues, 25 Sheets per Booklet, 5 Booklets
103	btl	1	Litmus Milk medium
			A bottle containing 500g powdered, used to determine the action of bacteria in Milk and in acidic or alkaline environment
104	Vial	1	Loading Dye for Electrophoresis
			Loading Dye for Electrophoresis, (2-3 colors) 6x min. concentration, at least 3ml volume PER VIAL
105	btl	3	Lugol's Solution
			Lugol's Solution 1 li/bottle;
106	btl	1	MacConkey Agar
			selective medium
			aids in identifying non-lactose fermenters (transparent or cream colonies) and lactose fermenter (red to pinkish colonies)
			supplied in 500g/bottle
107	500g ms	1	Magnesium Carbonate 500 grams
			analytical grade;
108	btl	1	Magnesium chloride, MgCl ₂
			☐1kg per bottle
			☐colorless crystalline solid

			<ul style="list-style-type: none"> ☐ Properties: ◀ Quality Level: 300 ◀ Grade: anhydrous ◀ Assay: ≥98% ◀ Form: powder ◀ Impurities: ≤0.5% Insolubles ◀ bp: 1412 °C/1 atm (lit.) ◀ mp: 714 °C (lit.) ◀ Density: 2.32 g/mL at 25 °C (lit.)
109	btl	2	<p>Magnesium Sulphate (MgSO₄.7H₂O) suitable for plant cell and tissue culture</p> <p>Wt. 169.01</p> <p>Colourless efflorescent crystals</p> <p>500 grams</p>
110	btl	1	<p>Malachite green stain</p> <ul style="list-style-type: none"> ☐ Use as a counterstain of Ziehl-Neelsen and Kinyoun staining. ☐ 1 bottle contains 500 mL ☐ Laboratory grade
111	btl	1	<p>Manganese Chloride, Analytical Grade, 500g/btl</p> <ul style="list-style-type: none"> ☐ AR grade, 500g per bottle;
112	btl	1	<p>Manganese sulfate (MnSO₄, H₂O) suitable for plant cell and tissue culture</p> <p>500 grams</p>
113	pc	1	<p>Manual Oil Press Machine</p> <p>Manual oil press extractor machine Specification:</p> <p>Raw material: peanut, seeds, nuts</p> <p>Type: manual model</p> <p>Weight: 3kg</p> <p>Size: 39*9*30cm</p> <p>Oil press machine Raw Material:</p> <p>suitable for most of the oil content is more than 25% of the oil crops, such as peanut, sunflower seed, tea seed, sesame seed, walnut, olive, coconut oil, flax seed, etc</p>
114	pcs	5	<p>Manual Pipette Pump</p> <p>Manual Pipette Pump (plastic), w/ fast release lever/button (2ml)</p>
115	pcs	3	<p>Manual Pipette Pump - 10ml</p> <p>Manual Pipette Pump (plastic), w/ fast release lever/button (10ml)</p>
116	pcs	2	<p>Manual Pipette Pump- 25ml</p> <p>Manual Pipette Pump (plastic), w/ fast release lever/button (25ml)</p>
117	rolls	1	<p>Masking tape, autoclavable, for laboratory use</p> <p>1" wide x 55m length;</p>
118	pc	1	<p>MASTER-RI Refractometer</p> <p>Scale Range: Refractive index 1.435 to 1.52</p> <p>Minimum Scale: Refractive index 0.001</p> <p>Size & Weight: 1.26 x 1.34 x 6.61in (3.2 x 3.4 x 16.8cm), 4.59oz (130g)</p> <p>Optional: Standard liquid LK: RE-99010, Daylight plate for small volume samplings for MASTER series: RE-2311-58M (Except viscosity sample), Calibration Certificate: NIST-traceable certificate. This will increase the lead time of the order by 2 to 3 weeks.</p> <p>Parts: Daylight plate for MASTER series: RE-2311-57M</p>
119	boxes	2	<p>Membrane Filter</p> <ul style="list-style-type: none"> ☐ Mixed cellulose esters (MCE) membrane

			☑Naturally hydrophilic
			☑Pore size: 0.22µm-3µm,
			☑Diameter: 50mm
			☑1 box with atleast 100 pcs
			☑non-sterile
120	pcs	3	Mesh Filter Cloth
			☑Color: White.
			☑Material: Nylon
			☑Mesh: 200 mesh
			☑Size: 1m x 1m/39.4"m x 39.4"
121	btl	1	Methanol 2.5L
			Analytical Reagent Grade 2.5L per bottle;
122	btl	10	Microcapillary tube
			diagnostic purposes : blue capillary tube heparinized, 1 barrel/tube/ contains 100 tubes
123	unit	5	Microcentrifuge Rack with Cover, Reversible (2 mL/ 1.5 mL)
			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
124	boxes	6	Microscope Slides and cover slips
			☑Pre-Cleaned Blank slides with 50pcs./box 22 x 22 mm square Cover Slip
125	packs	1	Microtube Storage Boxes
			☑100-Well Microtube Storage Boxes.
			☑For 1.5-2.0 mL microtubes storage.
			☑Pack of 5
			☑Ideal for laboratory storage at -80 degree celcius
126	sets	1	MINDRAY HEMATOLOGY REAGENTS for" Mindray model (BC-2800 Veterinary Auto Hematology Analyzer)"
			☑REAGENTS for" Mindray model (BC-2800 Veterinary Auto Hematology Analyzer)"
			☑1 unit M30 Diluent 20 Lit.
			☑1 unit M30 Rinse 20 Lit.
			☑1 unit M30 CFL Lyse 500ml
			☑1 unit M30 EZ Cleanser 100ml
			☑1 unit M30 Probe Cleanser 50ml
			☑NOTE: EXCLUSIVE REAGENT FOR MINDRAY MODEL BC-2800 VET. AUTO
126	sets	1	MINDRAY HEMATOLOGY REAGENTS for" Mindray model (BC-2800 Veterinary Auto Hematology Analyzer)"
			☑REAGENTS for" Mindray model (BC-2800 Veterinary Auto Hematology Analyzer)"
			☑1 unit M30 Diluent 20 Lit.
			☑1 unit M30 Rinse 20 Lit.
			☑1 unit M30 CFL Lyse 500ml
			☑1 unit M30 EZ Cleanser 100ml
			☑1 unit M30 Probe Cleanser 50ml
			☑NOTE: EXCLUSIVE REAGENT FOR MINDRAY MODEL BC-2800 VET. AUTO
127	btl	1	Molybdc acid (sodium salt) (Na ₂ MoO ₄ , 2H ₂ O) suitable for plant cell and tissue culture
			500grams, AR;

128	btl	4	Myo-inositol suitable for plant cell and tissue culture (100gms)
129	btl	1	Naphthaleneacetic Acid, 5g
			☑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
130	btl	1	Nicotinic acid suitable for plant cell and tissue culture (100g)
131	btl	1	Nutrient Agar, 500g
132	btl	1	Nutrient Gelatin, 500g;
133	pc	2	Ordinary Vernier Caliper
			☑Plastic material
			☑Up to 150mm measuring range
			☑accuracy atleast 1mm
			☑double scale measurement
			☑no battery
			☑Ultra precision and effortless operation.
134	bag	1	Paraffin Wax
			☑Form: pellets, white
			☑Ign residue: ≤0.05%
			☑Melting point: 43-95 degrees celsius
			☑Solidification point: 54-56 degree celcius 1kg per bag
135	pack	6	Paraffin, Tissue Embedding Medium, Kg
			Tissue Embedding Wax, Medium
			Pure Paraffin wax with Added Polymer for precise embedding and sectioning
136	roll	1	Parafilm M PM-996 All Purpose Laboratory Film Parafilm sealing film 4 x 125ft
137	btl	1	Paraformaldehyde
			☑Reagent or analytical grade
			☑For use in the preparation of formalin fixatives for tissues or cells when the samples are to be used in fluorescence studies
			☑Crystalline form
			☑Bottle of 25g
138	pieces	100	Pasture Pipette
			☑Pasture pipette, durable glass, 2 ml capacity, straight tip
139	gallon	1	Petroleum Ether, AR
140	pcs	2	pH Meter pen type
			☑0.1 pH resolution
			☑water-resistant/proof
141	btls	1	Phosphate Buffered Saline (PBS)
			☑10x concentrate
			☑pH 7.4.
			☑Contains 100mM phosphate buffer, 27mM potassium chloride and 1.37M sodium chloride.
			☑1 bottle contains 500 mL
			☑Laboratory grade
142	pcs	4	Plastic test tube rack 4 holes holder
			Condition: 100% Brand New
			Quantity: 1 Pc

			Size app: 18cmx4cmx6.5cm, hole diameter: app 3cm
			Material: Plastic
			Color: Blue
143	kit	1	Polymerase Chain Reaction Master Mix
			Polymerase Chain Reaction Master Mix, 100 x 50 µl reactions
144	pack	1	Polymerase Chain Reaction Tubes
			0.2ml 12 Strips Polymerase Chain Reaction Tube w/ cap, 125 pcs/pack, round caps
145	pcs	1	Polymerase Chain Reaction Tubes Rack
			Polymerase Chain Reaction Tubes rack (for storage)(w/ removable hinged lid), accommodatesaccommodates 168 x 0.2 mL + 12x 1.5ml OR 40 x 0.5 mL + 12x 1.5ml tubes. pack of 5
146	btl	1	Potassium Bromide
			☑Anhydrous
			☑Lab grade/ Analytical reagent grade
			☑Expiration date(3 years from the delivery date)
			☑Packed in Teflon bottles
147	btl	1	Potassium Chromate
			☑Anhydrous
			☑Lab grade/ Analytical reagent grade
			☑Expiration date(3 years from the delivery date)
			☑Packed in Teflon bottles
148	500g ms	1	Potassium Iodate 500g
			Analytical grade;
149	btl	1	Potassium iodide (KI) suitable for plant cell and tissue culture
			Molecular weight 166; 500 grams;
150	btl	1	Potassium iodide (KI) suitable for plant cell and tissue culture
			Molecular weight 166; 500 grams;
151	kgs	3	Potassium Nitrate (KNO ₃) suitable for plant cell and tissue culture
			1 kilogram of Potassium Nitrate;
152	btl	3	Potassium Phosphate (KH ₂ PO ₄) suitable for plant cell and tissue culture
			500 grams
153	btl	2	Potato Dextrose Agar (PDA), 500 grams
154	set	2	PPE Medical Grade Coverall Suit
			☑Free size (best fit Small to XL)
			☑Microfiber and Tafetta Water Repellant
			☑Washable and Reusable
			☑Garterized hood, cuffs, ankle and waist
			☑Lightweight
155	Ampu le	1	Primer for Campylobacter
			☑Forward-reverse primer for Campylobacter
			☑Ampule
156	Ampu le	1	Primer for E.coli O157H7
			☑Primers, forward and reverse oligonucleotides for stx1 and stx 2 of E. coli O157H7
			☑Ampule
157	Ampu le	1	Primer invA for Salmonella
			☑Primer, oligonucleotides forward and reverse for invA of

			Salmonella
			☑Ampule
158	sets	2	Primer sets for qPCR
			Paid services to synthesize, pack the lyophilized primers, and send them to the end user
159	btl	1	Pyridoxine.HCl suitable for plant cell and tissue culture(25g)
160	btl	1	Rappaport Vasiliadis, 500g
161	pack	1	Resealable Plastic Bag, Large
			☑resealable pastic bag, zip lock, 340 mm x 450 mm (13" x 18"), 100 pcs per pack
162	pack	1	Resealable Plastic Bag, Medium
			resealable plastic bag, zip lock, 140 mm x 200 mm (5 1/2" x 7 1/2"), 100 pcs per pack
163	btl	1	Resorcinol, AR, 250 grams
164	btl	1	Rose Bengal (for Biological Stain)
			Appearance: Dark to reddish brown colored powder
			Compositon: Dye content, greater than or equal to 80%
			Solubility (1mg/mL in water): Clear to slightly hazy red color solution
			Application: Diagnostic assay manufacturing, Hematology, Histology
			Quantity: 25g
			Packaging: Glass Bottle
			Storage temperature: Room temperature
			Grade: Certified by the Biological Stain Commission
165	btl	1	Sabouraud Dextrose Agar, 500g
166	box of 50's	5	Scalpel Blade
			☑Stainless Steel
			☑100 blades/box
167	pcs	5	Scalpel Handle
			☑#4, Stainless steel
168	btls	2	Sheather's sugar flotation solution
			☑Sheather's sugar flotation solution
			☑With a specific gravity of 1.25 to 1.27.
			☑For the fecal flotation method.
			☑Laboratory grade
			☑1 bottle contains 1 L of solution.
169	set	1	Sieve no.10 with cover and pan
			☑Sieve No. 10 (8" Sieve, All Brass, Full Height, No. 10 Mesh); Eye opening: 2000 µm (0.0787in)
			☑Sieve Pan (8" Brass Sieve Pan, 2" Deep, Full Height)
			☑Sieve Cover (8" Brass Sieve Cover Lid)
170	sets	1	Sieve no.50 with cover and pan
			☑Sieve No. 50 (8" Sieve, All Brass, Full Height, No. 50 Mesh); Eye opening: 300 µm (0.0118in)
			☑Sieve Pan (8" Brass Sieve Pan, 2" Deep, Full Height)
			☑Sieve Cover (8" Brass Sieve Cover Lid)
171	btl	2	Sodium Chloride
			Analytical Reagent Grade 500g per bottle
172	btls	1	Sodium Hydroxide, Technical Grade, 1KG, Pellets
			☑Technical grade, pellets, 1 kg
173	btl	1	Sodium Iodide
			☑Anhydrous
			☑Lab grade/ Analytical reagent grade
			☑Expiration date(3 years from the delivery date)
			☑Packed in Teflon bottles

174	pcs	10	Soil Scoop/Shovel, plastic
175	kit	2	Soil Tester Kit - 20 tests
			Rapid test Soil Tester Kit for pH N P K; 20 tests
176	set	1	Stainless Steel Mesh Sieve (Set)
			☐ Mesh Type: Stainless Steel Mesh
			☐ Sieve Frame: Stainless Steel Frame
			☐ Measurement of 6 sieves:
			◀ No. 5 (4,000 micron)
			◀ No. 10 (2,000 micron)
			◀ No. 35 (500 micron)
			◀ No. 60 (250 micron)
			◀ No. 120 (125 micron)
			◀ No. 230 (63 micron)
			☐ Sieve diameter: 7 inches (approximation)
			☐ Includes: Lid and Catch Pan for every sieve
177	btl	1	Standard Buffer solution
			pH 4, 1000 ml; calibration certificate included
178	pcs	3	Standard Lab Test Sieve
			☐ Stainless Steel Sieve.
			☐ Size: diameter 20cm,
			☐ height 5cm.
			☐ Aperture: 100um
			☐ mesh 0.15mm aperture
179	btl	1	Standard Method Agar (PCA)
			Plate Count Agar; 500g;
180	btl	1	Sterile Nuclease-Free Water
			Sterile Nuclease-Free Water (at least 500ml)
181	pc	17	Stirring Rod
			☐ Standard Size
			☐ Good Quality
			☐ with rubber policeman
182	pcs	10	Storage Tray
			☐ Tray basket organizer
			☐ Product Dimension: L(19.3cm), W(24.5cm), H(6.5cm)
			☐ Plastic, any color
183	btl	1	Sucrose
			Analytical Reagent Grade 500g per bottle
184	kgs	1	Sucrose, Grade I, suitable for plant cell and tissue culture
			1 kilogram;
185	btl	1	Sulfuric Acid - 95-98%
			☐ Free from suspended or insoluble matter
			☐ Nominally 95-98% H ₂ SO ₄
			☐ 1 bottle contains 500 mL
186	set	1	SYBR Green Real-Time PCR Master Mix
			☐ Use for Real-Time PCR (qPCR)
			☐ Concentration: 2X
			☐ Detection Method: SYBR
			☐ No. of Reactions: =>200 Reactions.
			☐ Total volume: => 5 mL
			☐ With polymerase included (e.g., AmpliTaq Gold DNA Polymerase).
187	btl	1	Tertiary Butyl Alcohol (TBA), Technical, 1L/btl
			tert-Butanol, synthesis grade
			(CH ₃) ₃ COH
188	pcs	3	Test Tube Rack, 12 x 4 for 13 x 100mm test tubes
			☐ Stainless steel;
189	pc	2	Test Tube Rack, 13mm, 90 placer

			<ul style="list-style-type: none"> ■Propylene, 13mm diameter hole, 90 placer;
190	pc	3	Test Tube Rack, 20 mm x 24 tubes
			<ul style="list-style-type: none"> ■Stainless Steel, 20 mm diameter holes, capacity 24 test tubes;
191	pcs	3	Test Tube Racks, 12MM x 12Holes
			<ul style="list-style-type: none"> Stainless Steel Holes Test Tube Rack; &nbsp;;
192	boxes	1	Test Tubes, 16 x 100mm, 100 pcs/ box
			<ul style="list-style-type: none"> ■borosilicate glass, heat resistant, rimless;
193	btl	1	Tetrathionate Broth Base, 500g
194	btl	1	Thiamine.HCl suitable for plant cell and tissue culture (25gms)
195	gms	1	Thidiazuron (TDZ)
			suitable for plant tissue culture
196	pack	1	Thin Walled Polymerase Chain Reaction Tubes
			Thin Walled Polymerase Chain Reaction Tubes, non-sterile, 1000 pcs, 0.2ml, DNase/RNase free (flat cap)
197	btl	1	Tris-acetate-EDTA (TAE)
			Tris-acetate-EDTA (TAE) buffer 10x, 1000 ml, for molecular biology (or equivalent concentrate)
198	btl	1	Tris-EDTA Buffer Solution
			Tris-EDTA buffer solution, for molecular biology, pH 8.0±0.1 (25 °C), DNase, RNase, protease, phosphatase-free, 500ml
199	btl	1	Tryptophan
			Analytical Reagent Grade 500g per bottle
200	btl	1	Trypticase Soy Agar
			<ul style="list-style-type: none"> ■General growth medium ■Powder agar ■500 g per bottle
201	btl	1	Trypticase Soy Broth, 500g
202	Box of 100's	1	Urine Strips (Right Sign) 10u
203	pcs	3	Utility Bucket
			<ul style="list-style-type: none"> ■Utility bucket/ pail with ■Cover. ■Capacity: 10L Product ■Dimension: L(27cm), W(27cm), H(26cm)
204	gallon	1	Vaccum Pump Oil 19
			<ul style="list-style-type: none"> ■Vaccum Pump Oil 19 Grade ■atleast 1 Gallon
205	tubes	2	Vacutainer EDTA Tubes
			<ul style="list-style-type: none"> ■blood collection tubes, 2 ml
206	btl	1	Violet Red Bile Agar, 500g
207	pc	10	Wash Bottle, 250mL cap.
			<ul style="list-style-type: none"> ■Material: Plastic (good quality);
208	sets	2	Water Purifier Filter Cartridge Sets
			<ul style="list-style-type: none"> ■Water Purifier Filter Cartridge Set: ■Includes: (designed for SCSJ-III 15L Water Purifier) ◀2 pieces of 10" Polypropylene Pleated Filter Cartridge (1 or 5 microns) ◀4 pieces of 10" Activated Carbon Filter Cartridge ■Purpose: SHOULD fit the SCSJ-III 15L Water Purifier
209	piece	1	Water Quality Test Meter
			<ul style="list-style-type: none"> ■2 in 1 kit, with calibration packets and user's manual ◀1 TDS meter ◀1 pH meter ■Hand-held and portable, pen-sized

			☑Color: yellow (pH) + blue (TDS)
			☑Material: plastic + metal
			☑Size: length 15.4cm
			☑Accurate reading
			☑Good quality
			☑Durable
210	pack	3	Whatman® qualitative filter paper, Grade 1
			☑Material: cellulose filters, circles
			☑Pack Size: 100 pcs
			☑manufacturer/tradename
			☑Tradename: Whatman 1001-325, Whatman Article No. 28413923 (US reference)
			☑Parameter: 0.25 psi wet burst
			☑Diameter :25 mm
			☑Thickness: 180 µm
			☑Pore size: 11 µm (Particle retention)
			☑Basis weight: 87 g/m2
211	btls	3	Wright Stain
			Diagnostic reagents: packaging or set Wright stain 500 ml, Buffer for Wright stain 500 ml
212	btl	1	XLD Agar
			☑Selective medium for Salmonella
			☑Powder agar
			☑500 g per bottle
213	btl	1	Yeast Potato Dextrose Agar, 500g
214	btl	1	Zinc sulfate (ZnSO ₄ , 7H ₂ O) suitable for plant cell and tissue culture
			☑molecular weight: 287.54
			☑500grams
215	packs	1	Activated Acid-washed Charcoal
			☑Chemical must be plant tissue culture tested for at least 20 years
			☑ISO complaint
			☑ACS REAG
			☑PH EUR
			☑meets USP Standards
			☑Bioreagent suitable for cell culture
			☑2.5kg per pack
216	pcs	1	Aluminum Foil Jumbo Roll
			☑300 meters x 12 inches
217	packs	2	Ammonium Acetate, AR, 500g
218	500grams	1	Ammonium Molybdate
			Analytical Reagent - 500grams
219	pcs	3	Burette Brush
			big size for 50ml burette
220	L	2	Dimethyl Sulfoxide, Analytical Reagent
221	btl	1	Kjeltabs
			☑Chemical Name or Material: Copper Kjeltabs
			☑CAS: 7758-99-8
			☑Form: Flat Round Speckled Tablets
			☑Pack Size: 1000 tablets
222	kg	1	Sodium Carbonate
			Analytical Grade, 1.00 kg
223	packs	20	Sodium Hydroxide, Technical Grade, 1kg/pack
224	liter	1	Triethanolamine, AR
225	pc	1	60X Achromatic Objective Lens, NA=0.80



			7 tubes per antibiotic group (50 discs/tube)
			1. 7 tubes- Beta-lactams (Penicillin and Cephalosporins) - Penicillin G, Amoxicillin
			2. 7 tubes- Sulfonamides - Sulfadiazine, Sulfanilamide and Sulfamidine, Trimethoprim-sulfamethoxazole
			3. 7 tubes- Tetracyclines - oxytetracycline, tetracycline and doxycycline
			4. 7 tubes- Quinolones - ciprofloxacin, enrofloxacin
			5. 7 tubes- Macrolides - erythromycin, azithromycin, tilimicosin, tylosin
233	btl	1	Calcium Chloride Dihydrate
			☑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
234	unit	2	Dial Oven-Safe Thermometer (Bimetal)
			Reads in 1-2 minutes
			Place 2 - 2 1/2 deep in thickest part of food
			Can be used in roasts, casseroles, and soups
			Not appropriate for thin foods
			Can remain in food while it's cooking
			Heat conduction of metal stem can cause false high reading
			Can be calibrated
235	pieces	2	Drager Aspirator Bulb
236	unit	1	Dryer Oven/Sterilizer with UV Lamp
			Dryer Oven/Sterilizer with UV Lamp
			Made for the sterilization of various laboratory apparatus
			Constantly heats the inside for the drying of equipment
			Comes with a UV lamp inside the unit for effective sterilization
			Specifications:
			Temperature: 60°C
			Electrical: 220v 0.8KW/4A
			Capacity: 72L
			Dimensions (W x D x H): 59 in x 56 in x 70 in
			Pre-installed UV Light
			Comes with (5) extra UV germicidal lamps
237	unit	1	Fall cone Penetrometer Apparatus
			80g weight of test cone (30 degrees apex angle) Aluminum base with dial guage
238	unit	2	Multi-Functional LCD Digital Multimeter Auto Range DMM with Temperature Detector DC AC Voltage
			☑Large LCD display of 41mm character height
			☑Measure DC/AC voltage/current, diode, resistance, capacitance, temperature and continuity test.
			☑Max. display value: 6000.
			☑Can test the temperature with unit of °C / °F.
			☑Includes relative value testing, duty cycle test, data hold, MAX/MIN value hold and auto power off function.
			☑With overload protection on all ranges.

			<ul style="list-style-type: none"> ☑Low battery indication and warning alarm function. ☑Equipped with a back bracket for supporting multimeter, and also can collect test probe. ☑Protected by rubber for drop protection. ☑Great for troubleshooting automotive and household electrical problems.
239	pc	2	Munsell Soil Color Book Color chips are mounted on neutral gray, 7.25x4.25in (184x108mm) water resistant pages in an 8x16in (203x152mm) loose-leaf binder
240	pc	1	NE-300 Just Infusion™ Syringe Pump 
			1. Holds 1 Syringe from micro-liter sizes up to 60 mL. (140 mL partially filled) 2. Infusion rates from 0.73 μ L/hr (1 mL syringe) to 1500 mL/hr (60 mL syringe) 3. Operates from included 12VDC power supply
241	unit	4	Pillow block bearing (1/2" inside diameter)
242	pc	4	Shrinkage Limit Glass Plate Dimension: 3.25x3.25x0.25 in (83x83x6mm)
243	btl	1	Sodium Hexametaphosphate, 500g/btl
244	unit	1	Soil Dispersion Mixer Meets standards: AASHTO and ASTM Motor: 1/3 hp RPM: 1300x0, 16,000, and 18000rpm speeds Electrical: 115V/60Hz, 7.5Amps or 230V/50-60Hz, 1.3 Amps With Accessories: Replacement blade and Dispersion cup
245	pc	35	Soil Sample Rings (Core Sampler) Dimension: 50-60mm diameter, 50-60 mm height, outer diameter apprx. 53mm with cover or plastic end cups Material: Aluminum
246	btl	2	Strontium Chloride <ul style="list-style-type: none"> ☑Anhydrous ☑Lab grade/ Analytical reagent grade ☑Expiration date(3 years from the delivery date) ☑Packed in Teflon bottles
247	tubes	4	Test Organisms for Sensitivity Testing pure culture of <i>Bacillus subtilis</i> , <i>Bacillus cereus</i> and <i>Escherichia coli</i> with identified strain/serotype for use as test organisms for sensitivity testing of antibiotic residue in meats Qty: 1 tube per test organism *to be purchased from the UP Los Banos. –
248	pcs	2	Multi-Function high-speed Grinding Machine Justification Large quantity of pulverized sample is required for the extraction of essential oils to facilitate sufficient quantity of essential oil needed for physico-chemical and antimicrobial analysis.

			Specification	
			1kg - 1500 kg capacity	
			220 watts voltage	
			Rated Power: 1500W	
			28000 rpm rotation speed	
			pulverizer and swing type	
			accessories to include: blade, carbon brush, mesh and manual	
				

***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);

Technical Documents

- (b) 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**

- (c) Statement of the bidder’s Single Largest Completed Contract (SLCC) similar to the contract to be bid in the amount of *at least 50% of the ABC or at least Eight Hundred Fifty-Seven Thousand Seven Hundred Sixty-Four and 44/100 Pesos (PhP 857,764.44)*;

or

Statement of at least two (2) similar completed contracts, the aggregate amount of which should be equivalent to *at least 50% of the ABC* or *at least Eight Hundred Fifty-Seven Thousand Seven Hundred Sixty-Four and 44/100 Pesos (PhP 857,764.44)* and the largest of these similar contracts must be equivalent to at least half of the said aggregate amount or *at least Four Hundred Twenty-Eight Thousand Eight Hundred Eighty-Two and 22/100 Pesos (PhP 428,882.22)*; **and**

- (d) 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**

- (e) Conformity with the Technical Specifications; **and**
 (f) Schedule of Requirements/production and delivery schedule; **and**
 (g) Manpower requirements; **and**
 (h) After-sales service/parts; **and**

- (i) 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

- (j) 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**

- (k) The prospective bidder’s computation of Net Financial Contracting Capacity (NFCC) – at least equal to ABC (**PhP 1,715,528.88**);

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 171,552.89**).

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:

Document	Filename (in PDF form)
1. PhilGEPS Certificate of Registration (Platinum)	PhilGEPS
2. Statement of On-Going Government & Private Contracts	Statement of On-Going Contracts
3. Statement of Bidder's Single Largest Completed Contract	SLCC
4. Statement of at least two (2) similar completed contracts	Statement of Completed Contracts
5. Bid Security	Bid Security
6. Technical Specifications	Technical Specifications
7. SCHEDULE of Requirements/Production and delivery schedule	Schedule of Requirements
8. Manpower Requirements	Manpower Requirements
9. After Sales service/parts	After Sales
10. Omnibus Sworn Statement	Omnibus Sworn Statement
11. Audited Financial Statements	Audited Financial Statements
12. Net Financial Contracting Capacity	NFCC
13. Committed Line of Credit	CLC
14. Bid Form	Bid Form
15. 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 before the deadline (October 17, 2022; 8:30 AM).



VISAYAS
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