



VISAYAS
STATE UNIVERSITY

PHILIPPINE BIDDING DOCUMENTS

(As Harmonized with Development Partners)

Supply and Delivery of Marine Hatchery Equipment for VSU Tolosa (GOODS-22-09) *(early procurement)*

Government of the Republic of the Philippines

**December 6, 2021; 9:00 AM
Cooperative Building, VSU Market, Visca, Baybay City, Leyte**

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Glossary of Acronyms, Terms, and Abbreviations

ABC – Approved Budget for the Contract.

BAC – Bids and Awards Committee.

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

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

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

BIR – Bureau of Internal Revenue.

BSP – Bangko Sentral ng Pilipinas.

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

CDA - Cooperative Development Authority.

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

CIF – Cost Insurance and Freight.

CIP – Carriage and Insurance Paid.

CPI – Consumer Price Index.

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

DTI – Department of Trade and Industry.

EXW – Ex works.

FCA – “Free Carrier” shipping point.

FOB – “Free on Board” shipping point.

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

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

GFI – Government Financial Institution.

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

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

GOP – Government of the Philippines.

GPPB – Government Procurement Policy Board.

INCOTERMS – International Commercial Terms.

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

LGUs – Local Government Units.

NFCC – Net Financial Contracting Capacity.

NGA – National Government Agency.

PhilGEPS - Philippine Government Electronic Procurement System.

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

PSA – Philippine Statistics Authority.

SEC – Securities and Exchange Commission.

SLCC – Single Largest Completed Contract.

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



UN – United Nations.





Section I. Invitation to Bid





1. The *Visayas State University* through the *GF 2022* intends to apply the sum of *Nine Million Seven Hundred Sixteen Thousand Five Hundred Pesos (PhP 9,716,500.00)* being the ABC to payments under the contract for *Supply and Delivery of Marine Hatchery Equipment for VSU Tolosa (GOODS-22-09)*. Bids received in excess of the ABC shall be automatically rejected at bid opening.

[illegible]

2	unit	Bacteria Colony Counter	1	100,000.00	100,000.00
		<ul style="list-style-type: none"> • The height of the word: 15mm (6") • Light power: 12W(Min.) 28W(Max.) • Total power<50W • Colony center diameter: ø155mm • Suitable Petri Dishes: ø50-ø150mm • Have the function of counting in bidirectional • Caxial lighting,3 times enlargement, 9 times enlargement 			
		with after sales service and warranty			
					
3	units	Fiberglass, circular flat bottom (1 ton)	11	20,000.00	220,000.00
		with tubing, aerator			
		Material: FRP			
		Usage/Application: Fish Farming			
		Height: 2-4 Feet			
		Color: Blue			
		Wall Thickness: 4-6 mm			
		Surface Finish: Color Coated			
		with after sales service and warranty			
					
4	lot	Laboratory Chair (1 Set of 12 pcs)	1	180,000.00	180,000.00
		• 18 in. Adjustable Chrome Foot ring			
		• Adjustable Contoured Back			
		• Pneumatic Height Adjustment, Waterfall Seat			
		• Polyurethane			

		• 22 in. to 31 in. Nominal Seat Height Range			
		with after sales service and warranty			
					
5	units	Filled Oxygen Tank (50 lbs)	3	40,000.00	120,000.00
		• Include Control Valve			
		• Include Meter Check			
		• Include Filling Pump			
		with after sales service and warranty			
		 			
6	units	Plankton Net (20µm Mesh)	4	20,000.00	80,000.00
		diameter: 300mm			
		Net length: 880mm			
		Frame material: Stainless steel Towing line			
		length: 7m Filter Size: 50mm			
		with after sales service and warranty			
					




7	units	Shelving (Heavy Duty)	2	25,000.00	50,000.00
		• 4 shelf unit			
		• 1000 lb. capacity per shelf			
		• 60 inches width x 24 inches depth x 70 inches height			
		• Electrostatic coating of steel; Frame is 19 gauge cold rolled steel			
		with after sales service and warranty			
					
8	units	Submersible Pump	2	20,000.00	40,000.00
		• Single Phase 1HP			
		• Semi-open impeller designed for the general			
		• dewatering pumping use			
		• Stainless Steel SUS# 304 Motor Casing			
		• Stainless Steel SUS# 304 Strainer			
		with after sales service and warranty			
					
9	unit	Dissolved Oxygen Portable Meter	2	83,000.00	166,000.00
		AC Adapter: Universal 50-60 Hz, 100-240 VAC power adapter			
		Accuracy (Barometer): $\pm 6\text{mmHg}$			
		Accuracy (Polarographic DO): $\pm 0.2\text{mg/L}$ or $\pm 2\%$ of reading, whichever is greater			
		Accuracy (RDO): $\pm 0.1\text{mg/L}$ up to 8mg/L , $\pm 0.2\text{mg/L}$ from 8 to 20mg/L , $\pm 10\%$ of reading up to 50mg/L			
		Accuracy (Temperature): $\pm 0.1^\circ\text{C}$			
		Alarm Output: Calibration due alarm (fixed 12 hour)			
		Barometric Pressure Correction: 400 to 850mmHg , automatic using built-in barometer or manual entry			

		Battery Life: 800 hours			
		Battery Type: Four AA (included)			
		Calibration Modes: Water-saturated air, air-saturated water, manual (Winkler titration), zero point			
		Display Type: Graphic LCD with Backlight			
		with after sales service and warranty			
					
10	unit	Portable pH Meter	2	51,550.00	103,100.00
		AC Adapter: Universal 50-60 Hz, 100-240 VAC power adapter			
		Accuracy (mV): ± 0.2 mV or $\pm 0.05\%$ of reading whichever is greater			
		Accuracy (pH): ± 0.002			
		Alarm Output: Calibration due alarm (fixed 12 hour)			
		Battery Life: 800 hr.			
		Calibration: pH, relative mV (RmV), ORP and temperature			
		Calibration: Points 1 to 5			
		Data Management Details Transfer single, range or all data points to printer or computer			
		Includes: Star A221 pH meter, 8107UWMMD ROSS Ultra gel-filled epoxy-body pH/ATC electrode with 3m cable, pH 4/7/10 buffer and rinse pouches, ROSS storage solution, protective meter armor, hard-sided carrying case, 4 AA batteries, computer cable			
		Inputs: BNC (pH or ORP electrode), pin-tip (reference electrode), 8 pin MiniDIN (ATC temperature probe)			
		Isopotential: Point 7.000pH			
		with after sales service and warranty			
					
11	unit	Premium Fiber Glass Fish Tank	2	65,000.00	130,000.00
		Tank size (feet): 11 x 5 x 3 = RM 5300			

		Shape: Rectangle			
		Specification: 2 tons			
		with after sales service and warranty			
					
14	unit	Rectangular Tanks (180 × 60 × 48 in)	10	30,000.00	300,000.00
		Surface Treatment: Gel Coat			
		Color: Blue			
		Thickness: 6mm			
		Usage: Fish Tank			
		Molding Method: Resin Transfer Molding			
		Material: Fiberglass			
		Fiber Type: GFRP			
		Type: Epoxy FRP			
		Accessory 1: Foot			
		Accessory 2: Flanges			
		Shape: Rectangle			
		Specification: 5 tons			
		with after sales service and warranty			
					
15	unit	Rectangular Tanks (180 × 60 × 48 in)	10	35,000.00	350,000.00
		Surface Treatment: Gel Coat			
		Color: Blue			
		Thickness: 6mm			
		Usage: Fish Tank			
		Molding Method: Resin Transfer Molding			
		Material: Fiberglass			
		Fiber Type: GFRP			
		Type: Epoxy FRP			
		Accessory 1: Foot			
		Accessory 2: Flanges			
		Shape: Rectangle			
		Specification: 10 tons			
		with after sales service and warranty			
					

16	unit	Touch Thermal Cycler	1	300,000.00	300,000.00
		Input power, W, maximum: 850			
		Frequency, Hz, single phase: 50-60			
		High resolution color display, cm: 12 x 9			
		Ports (USB A / USB B): 5/1			
		Fuses — 2 (A/V/mm): 10/250/20			
		Onboard memory, protocols: >1,000			
		(W x D x H), cm: 33 x 46 x 20/13 x 18 x 8			
		Weight, kg/lb: 10/23			
		Temperature control modes: Calculated and block			
		PCR license: Yes			
		Security features (password protection, optional log-in, and secure mode): Yes			
		Reporting (exportable run logs and system error logs): Yes			
		Onboard software, Windows CE 6.0: Yes			
		PC compatibility (Windows XP or higher): Yes			
		USB peripheral compatibility (mouse, USB flash drive, bar code reader): Yes			
		Real-time PCR upgrade: Yes			
		Instant incubate: Yes			
		with after sales service and warranty			
17	unit	Histology Microtome	1	150,000.00	150,000.00
		• High cutting precision			
		• 30-degree inclination range			
		• Double-sided knife holder			
		• Section thicknesses adjustment from 1 to 25 um			
		• Industrial and biological applications			
		with after sales service and warranty			
18	unit	Water Bath & Slide Warmer	1	40,000.00	40,000.00
		Tissue Floating Bath			
		Glass tray interior size: L25.6 x W 16.5 x H5cm			
		Temperature: Room temperature to 70 °C ±2 °C			
		Default Setting: 65 °C			
		Slide Warmer			
		Maximum Capacity: 40 slides			
		Temperature: Room temperature to 90 °C ±2 °C			
		Setting Time range: 1-240mins			
		Whole Machine			
		Voltage: AC120V/50Hz/220v/50Hz			
		Humidity: <80%			
		with after sales service and warranty			
19	set	Embedding Tissue Cassette	1	27,000.00	27,000.00
		Type: Tissue cassette (1,500 pcs)			
		Pore style: slots			
		Material: Plastic			







		Description: Tissue cassette			
		Closure type: Combination lid			
		with after sales service and warranty			
					
20	unit	Cassette Storage Cabinet	1	20,000.00	20,000.00
		• Sturdy ABS plastic constructions			
		• Six drawers that holds 1500			
		• Standard tissue cassette			
		• Ergonomic handle			
		• Stackable Top and bottom design			
		with after sales service and warranty			
					
21	unit	Histology Equipment Automatic Tissue Processor	1	127,000.00	127,000.00
		Number of Cups: 12 (nine cups for reagents and three cups for paraffin)			
		Length of Processing Time: Adjustable within 0-99 hours for the 1st station and within 0-24 hours for other stations			
		Temperature Range of Paraffin Cup: adjustable within RT - 99°; dual protection			
		Heating Mechanism: Internal dry heating automatically begins when the tissue enters the 2nd cup, thus avoiding unnecessary energy waste.			
		Capacity of Single Cup: 1000ml			
		Temperature Control Precision: $\pm 1^{\circ}\text{C}$			
		Dripping Time: Adjustable within 10-60 s; shake/drip above cup			
		Frequency of Agitation: 2 times/minute			
		Battery backup with more than 6 hours of continual running power			
		Acceptable Temperature Range of Operation Environment: 0 ~ 40°C			
		Working Voltage: AC 220V $\pm 10\%$ 50Hz (standard model); AC110V $\pm 10\%$ 60Hz			
		Power: 500W			
		with after sales service and warranty			
					
22	unit	Precision Texture Analyzer	1	500,000.00	500,000.00
		Load			
		Maximum Load Rating in tension or compression: 500 N (110 lbf)			


		Load Accuracy: $\pm 0.1\%$ of full scale for loadcells from 2 – 500 N			
		Load cells: Intelligent digital loadcells, changeable by the user in seconds			
		Load cell Capacities Available: 2, 5, 10, 25, 50, 100, 250, 500 N (0.45 – 112 lbf)			
		Speed			
		Speed Range: 1 – 500 mm/min (0.04 – 19.5 in/min)			
		Speed Accuracy: $\pm 0.1\%$ of set speed			
		Speed Resolution: 1 mm/min (0.04 in/min)			
		Displacement			
		Displacement Accuracy: ± 0.13 mm			
		Displacement Resolution: 0.01 mm (0.0004")			
		Maximum Travel: 300 mm (12")			
		Dimensions			
		Data Acquisition Rate: Selectable from 1000, 500, 100, 50, 10 Hz			
		Internal Sampling Rate: 16 kHz			
		Power Supply: 110V/230V ac, 60/50 Hz			
		Weight: 19.2 kg (42.3 lbs)			
		Operating Temperature: 10°C – 35°C (50°F – 95°F)			
		Humidity Range: Normal industry and laboratory conditions, non-condensing			
		with after sales service and warranty			
					
23	unit	Diode array (DA)- NIR Multi-Purpose Analyzer	1	1,300,000.00	1,300,000.00
		Analysis time: 6 seconds			
		Measurement mode: Down view reflection or transreflectance			
		Sample types: Unground grains and pellets, powders, pastes, slurries, liquids and more			
		Sample area analyzed: Up to 108 cm ²			
		Sample Volume: Flexible 1-400 mL, depending on sample type			
		Display: 12-in. color touchscreen			
		Operating software: Results Plus			
		Interface: USB ports and Ethernet			
		Operating temperature range: 5 °C to 40 °C			
		Ingress protection: IP 65			
					

		Wavelength range: 900 -1700 nm detector, 950 -1650 nm applied			
		Detector: Indium gallium arsenide (InGaAs)			
		Wavelength accuracy: < 0.05 nm			
		Regression options PLS: (Partial Least Squares), ANN (Artificial Neural Networks), HR (Honigs Regression), Classification			
		Power requirements: 100 - 230 V, 50/60 Hz			
		with after sales service and warranty			
24	unit	Laboratory Shaker	2	60,000.00	120,000.00
		Orbital movement: 10mm (0.4 inches)			
		Maximum humidity: 80%			
		Operating temperature range: 4-40°C			
		Speed range: 100-300rpm			
		with after sales service and warranty			
					
25	unit	Dry Type Fish Feed Extruder Machine To Make Floating Fish Feed or Sinking Feed (with installation)	1	200,000.00	200,000.00
		Capacity: 30-2000kg/h			
		Main Power: 3-132kw			
		Pellet specification: 0.9-15mm			
		Application: for producing floating feed pellets of all kinds of aquatic animal.			
		Installation: Offer manual book and engineer's guidance			
		with after sales service and warranty			
					

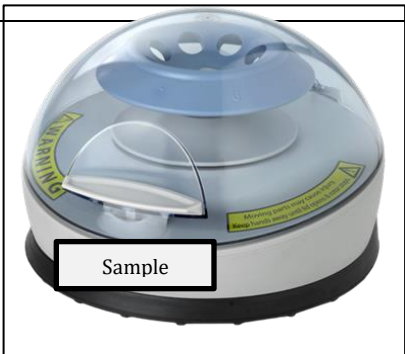
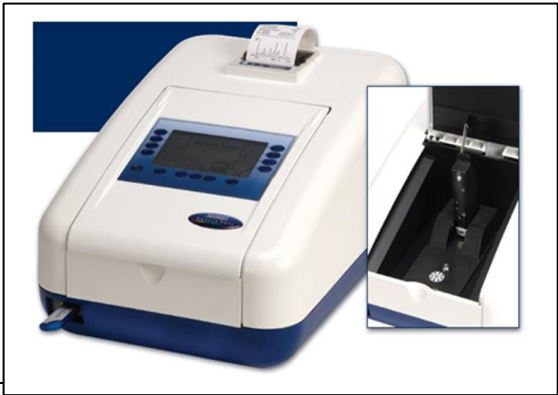
26	unit	Sieve Shaker	1	85,000.00	85,000.00
		<ul style="list-style-type: none"> • Sieves Size Accepted (OD): 8" or 12" • Frequency: 231 oscillations per minute • Width (in) 23 • Depth (in) 15 • Height (in):13 • Width (cm) 58.4 • Depth (cm) 38.1 • Height (cm) 33 • Power (VAC) 220 • Power (Hz) 50 • Description Coarse Sieve Shaker, 8" or 12" sieves, 220 VAC 			
		with after sales service and warranty			
					
27	unit	Soil Sampling Sieve Set, Stainless Steel, 2" Height	1	20,000.00	20,000.00
		material: durable stainless steel mesh and a nickel-plated steel frame			
		each sieve measures 2" (5 cm) H x 8" (20 cm) diameter			
		Six sieves:			
		U.S. Standard No. 5 (4000 micron),			
		U.S. Standard No. 10 (2000 micron),			
		U.S. Standard No. 35 (500 micron),			
		U.S. Standard No. 60 (250 micron),			
		U.S. Standard No. 120 (125 micron),			
		U.S. Standard No. 230 (63 micron)],			
		lid, and catch pan			
		with after sales service and warranty			
					
28	unit	Muffle Furnace	1	280,900.00	280,900.00
		Type: Digital, OTP			
		Length (English): 25.75 in.			
		Power Consumption: 3500 w			

		Frequency: 50/60 Hz			
		Depth (English) Interior: 9 in.			
		Certifications/Compliance: UL			
		Temperature Control: Digital/OTP			
		Electrical Requirements: 208/240 V 50/60 Hz			
		Length (Metric): 65.4			
		Capacity (English): 0.65 cu.ft.			
		Width (Metric) Interior: 22.9 cm			
		Height (English) Interior: 14 in.			
		Dimensions (L x W x H) Exterior: 25.75 x 21 x 26 in. (65.4 x 53.3 x 66 cm)			
		Height (English): 26 in.			
		Width (English): 9 in.			
		Height (Metric) Interior: 35.6 cm			
		Height (Metric): 66 cm			
		Voltage: 208/240 V			
		Temperature (Metric): 100°C to 1100°C			
		Depth (Metric) Interior: 22.9 cm			
		Description: 18.4 L; Digital/OTP Control; 240V, 50/60Hz; 3500W			
		Capacity (Metric): 18.4 L			
		with after sales service and warranty			
					
29	unit	Analytical Balance (220g x 0.1mg)	1	186,500.00	186,500.00
		Capacity x Readability: 220 x 0.0001 g			
		Repeatability: 0.1 mg			
		Linearity: 0.2 mg			
		Typical stabilization time (seconds): 2			
		Weighing pan size diameter: 90mm			
		Weighing chamber height: 209mm			
		with after sales service and warranty			



30	unit	Mini PCR Plate Spinner for Two PCR Plates, 115V	1	25,000.00	25,000.00
		Speed: 2,500 rpm			
		Maximum capacity: 2 standard PCR or microtiter plates			
		Ambient operating range: 4° to 35°C			
		Weight: 3.3 lb/1.5 kg			
		with after sales service and warranty			
					
31	unit	Digital Dry Bath	1	25,000.00	25,000.00
		Temperature range: Ambient +5° to 150°C, in 0.1° increments			
		Temperature resolution: 0.1°C			
		Temperature uniformity: ±0.2°C			
		Temperature accuracy: ±0.3°C			
		Temperature control: Microprocessor			
		Block chamber construction: Stainless steel			
		Electrical : 230V~ or 120V~, 50/60 Hz			
		with after sales service and warranty			
					
32	unit	Autoclave	1	26,000.00	26,000.00
		Temperature:			
		Operating Range: 105°C to 135°C			
		Display Range: 137°C			
		Warming Range: 45°C to 60°C			
		Agar Dissolution: Heating at 60°C to 100°C for up to 1 hour (temperature and time programmable), followed by 45°C to 60°C (programmable for up to 20 hours to			

		prevent coagulation)			
		Gauge Pressure:			
		Operating Range: 3 to 30 psi (0.02 to 0.206MPa)			
		Maximum Allowable: 38 psi (0.26MPa)			
		Timer:			
		Sterilization: 1 to 250 minutes			
		Delayed Auto-start: Program autoclave to start 1 minute to 7 days later			
		with after sales service and warranty			
					
33	unit	Gradient Thermal Cycler	1	155,000.00	155,000.00
		Thermal Cycler:			
		Sample capacity: 96 x 0.2 ml tubes, 0.2 ml tube strips, or 1 x 96-well plate			
		Maximum ramp rate, °C/sec: 4			
		Average ramp rate, °C/sec: 2.5			
		Temperature range: 4–100°C			
		Temperature accuracy: ±0.5°C of programmed target			
		Temperature uniformity: ±0.5°C well-to-well within 30 sec of arrival at target temperature			
		Input power: 100–150 VAC, 50–60 Hz; 220–240 VAC, 50–60 Hz; 700 W maximum			
		Display: 5.7" VGA color touch screen			
		Port: 1 USB A			
		Memory: 500 typical programs; unlimited with USB flash drive expansion			
		Gradient:			
		Gradient range: 30–100°C			
		Temperature differential range: 1–25°C			
		with after sales service and warranty			
34	unit	Microcentrifuge	1	25,000.00	25,000.00
		Capacity: 8 x 1.5/2.0 mL , 4 place PCR Strip			
		Max. Speed: 6000 rpm			
		Maximum RCF: 2000 x g			
		with after sales service and warranty			





					
35	unit	Nano Spectrophotometer Wavelength: Wavelength Range: 198 to 1000nm Wavelength Accuracy: ± 2 nm Spectral Bandwidth: 5nm Path Length: 0.2 or 0.5mm (auto-ranging) Photometrics: Absorbance Range 15 to 125A (10mm equivalent) Absorbance Accuracy $\pm 2\%$ at 260nm Absorbance Precision $< 0.005A$ between 0 and 1A (at 260nm and 0.5mm) Concentration/ Quantitation: Maximum Concentration: 6,000 ng/ μ l (dsDNA) (at 0.2mm) Detection Limit: 2ng/ μ l (dsDNA) (at 0.5mm) Measurement Time: < 6.5 seconds Minimum Sample Size: 0.5 μ l (at 0.2mm) 1.0 μ l (at 0.5mm) Maximum Sample Size: 5 μ l DNA measurement modes: dsDNA, ssDNA, RNA, Oligonucleotides, 260/280, 260/230, Variable ratio Protein measurement modes: BCA, Bradford, Lowry, Biuret, Direct UV with after sales service and warranty	1	400,000.00	400,000.00
36	unit		1	750,000.00	750,000.00
		UV/Vis Spectrophotometer Type: UV-Visible Wavelength Range: 190–1100 nm Wavelength Accuracy: ± 0.5 at 541.94 nm Scanning Speed: 24,000 nm/min, 80 data points/sec			

		Spectral Bandwidth: 1.5 nm fixed			
		Light Source: Xenon flash lamp			
		Optical System: Double beam Czerny-Turner monochromator			
		Detector(s): Dual silicon diode			
		Applications: Quality control of raw materials and finished goods, Color measurements and color matching			
		Sample Format: Liquids, solids			
		with after sales service and warranty			
					
37	unit	Gel Documentation System	1	360,000.00	360,000.00
		Maximum sample size: 28 x 36 cm			
		Maximum image area: 25 x 26 cm			
		Excitation source: Trans UV 302, 254, 365 nm & White, Epi-White light			
		Illumination control: 3 modes (trans-UV, trans white, epi-white)			
		Detector: CCD			
		CCD resolution (H x V): 768 x 494 RS-170 752 x 582 CCIR			
		Pixel size in microns (H x V): 8.4 x 9.8			
		Filter holder: 2 positions (1 Emmision Filter, 1 Chemi)			
		Emission filters: 1 included (amber), 4 optional			
		Dynamic range: 1.8 Orders			
		Pixel density (gray levels): 8 bit (256 gray levels)			
		with after sales service and warranty			
					

38	unit	Micropipettes	3	20,000.00	60,000.00
		Compatible Tips: Flex 10, 10, 50			
		Increments: 0.002µL			
		For Use With: Flex 10, 10, 50			
		Number of Channels: 1			
		Volume (Metric): 0.2 to 2 µL			
		with after sales service and warranty			
					
39	unit	Electrophoresis System	1	40,000.00	40,000.00
		Power Supply:			
		Overall Dimensions: 75 mm (B) x 62 mm (H) x 170 mm (L)			
		Weight: 410 g			
		Input Voltage: AC100-240V (Internationally compatible, 50/60 Hz)			
		Output Voltage: 18 V, 25 V, 35 V, 50 V, 70 V, 100 V and 135 V.			
		Timer: Can be set between 0 and 99 min. and cont. mode. Temporary shutdown supported			
		Memory function: Automatic memory (the last used V & T)			
		One-Gel Tray:			
		Overall dimensions small tray: 130 mm (B) x 16,5 mm (H) x 59,5 mm (L)			
		Overall dimensions large tray: 130 mm (B) x 24 mm (H) x 122 mm (L)			
		Quantity: 2 small gel trays and 1 large gel tray			
		Combs:			
		Number of wells: 13 or 26			
		Distances: 13 wells: 9 mm			
		26 wells: 4.5 mm			
		Number of combs: 4, can be used on both sides (all combs can be used for 13 or 26 pockets)			
		Material: Heat resistant (up to 100 ° C hot solution can be used)			
		with after sales service and warranty			

40	unit	Homogenizer (Digital, 1 – 2000 ml)	1	135,000.00	135,000.00
		Min Sample Size (mL): 1			
		Min Sample Size (Liters): 0.001			
		Max Sample Size (mL): 2000			
		Max Sample Size (Liters): 2			
		Max Speed (rpm): 25000			
		Min Speed (rpm): 500			
		Wattage (Input): 800			
		Wattage (Output): 500			
		Power (VAC): 220			
		Power (Hz): 50/60			
		with after sales service and warranty			
					
41	unit	Laminar Flow Hood	1	90,000.00	90,000.00
		Pre-Filter: Washable polyurethane foam			
		Final Filter: HEPA: 99.99% efficient @ 0.3µm particles			
		Fan Motor: Direct drive, forward curve, centrifugal-type with sealed bearings; rated for continuous duty; furnished with overload protection and a two-speed switch.			
		Average airflow velocity: 90 feet/minutes (fpm)			
		Air Flow: 650 4-Foot Model			
		Sound Level: 50 dBA, measured no more than 30" from filter face @ 90 FPM			
		Electrical: 110VAC, 50/60Hz Meets the requirements of the National Electrical Code and applicable local codes. All components UL listed and CE marked			
		Performance: Particle count exceeds Class 100 requirements			
		with after sales service and warranty			
					
42	unit	Real-time PCR Machine	1	1,200,000.00	1,200,000.00
		Capacity: 96 x 0.1 ml tubes, 12 x 8-tube strips, 1 x 96-well plate			
		Detection Method: SYBR, Primer-Probe Detection			
		Format: 96-well plate, 8-tube strips, 0.1 ml tubes			
		Green Features: Sustainable packaging			
		High-throughput Compatibility: Multiplexing			

		Optics: 4 emission filters, Blue LED excitation source, photodiode			
		Passive Reference Dye: ROX (Separate Tube), No ROX, ROX (Pre-mixed)			
		Peak Block Ramp Rate: 4.6°C/sec			
		Reaction Speed: Fast, Standard			
		Reaction Volume Range: 10-30 µl (Standard curve experiments: 40 µl in standard mode is validated)			
		Run Time: <2 hrs/run (Standard Mode), <40 min/run (Fast Mode)			
		Sample Ramp Rate: Fast mode: ± 2.2°C/sec, Standard mode: ± 1.6°C/sec			
		Temperature Accuracy: 0.25°C (35 to 95°C) of display temperature			
		Temperature Range (Metric): 4-100°C			
		Temperature Uniformity: 0.25°C (35 to 95°C) of setpoint/display temperature			
		Thermal Cycling System: Peltier-Based System			
		Display Type: LCD Touch Screen			
		with after sales service and warranty			
					
43	unit	Fiberglass, Circular Tank + 2" Pipe & Valve (2.5 tons)	6	65,000.00	390,000.00
					
			TOTAL:		9,716,500.00

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

2. The *Visayas State University* now invites bids for the above Procurement Project. Delivery of the Goods is required by *ninety (90) calendar days upon receipt of Notice to Proceed (NTP)*. Bidders should have completed, within *two (2) years* from the date of submission and receipt of bids, a contract similar to the Project. The description of an eligible bidder is contained in the Bidding Documents, particularly, in Section II (Instructions to Bidders).
3. Bidding will be conducted through open competitive bidding procedures using a non-discretionary “*pass/fail*” criterion as specified in the 2016 revised Implementing Rules and Regulations (IRR) of Republic Act (RA) No. 9184.

Bidding is restricted to Filipino citizens/sole proprietorships, partnerships, or organizations with at least sixty percent (60%) interest or outstanding capital stock belonging to citizens of the Philippines, and to citizens or organizations of a country the laws or regulations of which grant similar rights or privileges to Filipino citizens, pursuant to RA No. 5183.

4. Prospective Bidders may obtain further information from *Visayas State University* and inspect the Bidding Documents at the address given below during *Mondays - Fridays (8:00 AM-5:00 PM)*.
5. A complete set of Bidding Documents may be acquired by interested Bidders on *16 November – 06 December 2021 until 8:30 AM* from the given address and website(s) below and upon payment of the applicable fee for the Bidding Documents, pursuant to the latest Guidelines issued by the GPPB, in the amount of Ten Thousand Pesos (PhP 10,000.00). The Procuring Entity shall allow the bidder to present its proof of payment for the fees in person, by facsimile, or through electronic means.
6. The *Visayas State University* will hold a Pre-Bid Conference on *November 23, 2021; 9:00 AM* at the *Cooperative Building, VSU Market, Visca, Baybay City, Leyte* and/or through video conferencing or webcasting *via Google Meet*, which shall be open to prospective bidders.

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

7. Bids must be duly received by the BAC Secretariat through (i) manual submission at the office address indicated below, (ii) online or electronic submission as indicated below, or (iii) both on or before *06 December 2021 until 8:30 AM*. Late bids shall not be accepted.
8. For bidders who opt to submit their bids electronically, a hardcopy (original) 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 *06 December 2021; 9:00 AM* at the *Cooperative Building, VSU Market, Visca, Baybay City, Leyte* and/or via *Google Meet*. Bids will be opened in the presence of the bidders' representatives who choose to attend the activity.

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

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

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

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

14. You may visit the following websites:

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

November 12, 2021

DILBERTO O. FERRAREN
Chairperson, VSU BAC

Section II. Instructions to Bidders

1. Scope of Bid

The Procuring Entity, *Visayas State University*, wishes to receive Bids for the *Supply and Delivery of Marine Hatchery Equipment for VSU Tolosa*, with identification number *GOODS-22-09*.

The Procurement Project (referred to herein as “Project”) is composed of *43 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 *Nine Million Seven Hundred Sixteen Thousand Five Hundred Pesos (PhP 9,716,500.00)*.

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

3. Bidding Requirements

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

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

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

4. Corrupt, Fraudulent, Collusive, and Coercive Practices

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

5. Eligible Bidders

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

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

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

Bidder should comply with the following requirements:

- i. Completed at least two (2) similar contracts, the aggregate amount of which should be equivalent to at least *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 *April 5, 2022*. Any Bid not accompanied by an acceptable bid security shall be rejected by the Procuring Entity as non-responsive.

15. Sealing and Marking of Bids

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

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

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

16. Deadline for Submission of Bids

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

17. Opening and Preliminary Examination of Bids

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

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

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

18. Domestic Preference

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

19. Detailed Evaluation and Comparison of Bids

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

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

20. Post-Qualification

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

21. Signing of the Contract

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

Section III. Bid Data Sheet

Bid Data Sheet

ITB Clause	
5.3	For this purpose, contracts similar to the Project shall be: <ul style="list-style-type: none"> a. <i>Marine Equipment or Laboratory Equipment or Scientific Equipment or 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 DDP <i>VSU Main, Visca, Baybay City, Leyte</i> or the applicable International Commercial Terms (INCOTERMS) for this Project.
14.1	The bid security shall be in the form of a Bid Securing Declaration, or any of the following forms and amounts: <ul style="list-style-type: none"> a. The amount of not less than <i>One Hundred Ninety-Four Thousand Three Hundred Thirty Pesos (PhP 194,330.00) 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>Four Hundred Eighty-Five Thousand Eight Hundred Twenty-Five Pesos (PhP 485,825.00) or five percent (5%) of ABC</i> if bid security is in Surety Bond.
19.3	<i>See Section I. Invitation to Bid (Item 1) for the list of items and their corresponding total Approved Budget for the Contract (ABC).</i>
20.2	In case the PhilGEPS Platinum Certificate of Registration is not available during bid submission, it shall be submitted as a post-qualification requirement, in accordance with Section 34.2 of the 2016 Revised IRR of R.A. 9184.
21.2	<i>Not Applicable.</i>

Section IV. General Conditions of Contract

1. Scope of Contract

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

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

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

2. Advance Payment and Terms of Payment

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

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

3. Performance Security

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

4. Inspection and Tests

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

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

5. Warranty

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

6. Liability of the Supplier

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

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

Section V. Special Conditions of Contract

Special Conditions of Contract

GCC Clause	
1	<p>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 VSU Tolosa Campus, Brgy. Tanghas, Tolosa, Leyte. Risk and title will pass from the Supplier to the Procuring Entity upon receipt and final acceptance of the Goods at their final destination.</p> <p>Delivery of the Goods shall be made by the Supplier in accordance with the terms specified in Section VI (Schedule of Requirements).</p> <p>For purposes of this Clause the Procuring Entity’s Representative at the Project Site is:</p> <p style="text-align: center;">MS. GAYLIEZA DE LOS SANTOS <i>VSU-Tolosa, Tanghas, Tolosa, Leyte</i> <i>Contact #: 09452807844 / 09504740187</i> <i>Email address: gaylieza.delosantos@vsu.edu.ph</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>

	<p>Spare Parts –</p> <p>The Supplier is required to provide all of the following materials, notifications, and information pertaining to spare parts manufactured or distributed by the Supplier:</p> <ul style="list-style-type: none"> 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: <ul style="list-style-type: none"> 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. <p>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.</p> <p>The Supplier shall carry sufficient inventories to assure ex-stock supply of consumable spare parts or components for the Goods for a period of 3 years.</p> <p>Spare parts or components shall be supplied as promptly as possible, but in any case, within 1 month of placing the order.</p>
	<p>Packaging –</p> <p>The Supplier shall provide such packaging of the Goods as is required to prevent their damage or deterioration during transit to their final destination, as indicated in this Contract. The packaging shall be sufficient to withstand, without limitation, rough handling during transit and exposure to extreme temperatures, salt and precipitation during transit, and open storage. Packaging case size and weights shall take into consideration, where appropriate, the remoteness of the Goods’ final destination and the absence of heavy handling facilities at all points in transit.</p> <p>The packaging, marking, and documentation within and outside the packages shall comply strictly with such special requirements as shall be expressly provided for in the Contract, including additional requirements, if any, specified below, and in any subsequent instructions ordered by the Procuring Entity.</p> <p>The outer packaging must be clearly marked on at least four (4) sides as follows:</p>

	Name of the Procuring Entity Name of the Supplier Contract Description Final Destination Gross weight Any special lifting instructions Any special handling instructions Any relevant HAZCHEM classifications
	<p>A packaging list identifying the contents and quantities of the package is to be placed on an accessible point of the outer packaging if practical. If not practical the packaging list is to be placed inside the outer packaging but outside the secondary packaging.</p> <p>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>

	Intellectual Property Rights – The Supplier shall indemnify the Procuring Entity against all third-party claims of infringement of patent, trademark, or industrial design rights arising from use of the Goods or any part thereof.
2.2	Payment of staggered deliveries shall be allowed. Payment shall be on “as per cost of the items delivered” subject to inspection and acceptance.
4	The inspections and tests that will be conducted will be specified by the appropriate technical team of VSU-Toloa 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	Item Description	Delivered, Weeks/Months
1	units	2	Algae Culture Rack	All Items Should Be Delivered Within 90 Calendar Days From Receipt Of Notice To Proceed And Purchase Order
2	unit	1	Bacteria Colony Counter	
3	units	11	Fiberglass, circular flat bottom (1 ton)	
4	lot	1	Laboratory Chair (1 Set of 12 pcs)	
5	units	3	Filled Oxygen Tank (50 lbs)	
6	units	4	Plankton Net (20µm Mesh)	
7	units	2	Shelving (Heavy Duty)	
8	units	2	Submersible Pump	
9	unit	2	Dissolved Oxygen Portable Meter	
10	unit	2	Portable pH Meter	
11	unit	2	Premium fiber glass fish tank	
12	unit	15	Rectangular Tanks (180 x 60 x 48 in)	
13	unit	12	Rectangular Tanks (180 x 60 x 48 in)	
14	unit	10	Rectangular Tanks (180 x 60 x 48 in)	
15	unit	10	Rectangular Tanks (180 x 60 x 48 in)	
16	unit	1	Touch Thermal Cycler	
17	unit	1	Histology Microtome	
18	unit	1	Water Bath & Slide Warmer	
19	set	1	Embedding Tissue Cassette	
20	unit	1	Cassette Storage Cabinet	
21	unit	1	Histology Equipment Automatic Tissue Processor	
22	unit	1	Precision Texture Analyzer	
23	unit	1	Diode array (DA)- NIR Multi-Purpose Analyzer	
24	unit	2	Laboratory Shaker	
25	unit	1	Dry Type Fish Feed Extruder Machine To Make Floating Fish Feed or Sinking Feed (with installation)	
26	unit	1	Sieve Shaker	
27	unit	1	Soil Sampling Sieve Set, Stainless Steel, 2" Height	
28	unit	1	Muffle Furnace	
29	unit	1	Analytical Balance (220g x 0.1mg)	
30	unit	1	Mini PCR Plate Spinner for Two PCR Plates, 115V	
31	unit	1	Digital Dry Bath	
32	unit	1	Autoclave	
33	unit	1	Gradient Thermal Cycler	
34	unit	1	Microcentrifuge	
35	unit	1	Nano Spectrophotometer	
36	unit	1	UV/Vis Spectrophotometer	
37	unit	1	Gel Documentation System	
38	unit	3	Micropipettes	
39	unit	1	Electrophoresis System	
40	unit	1	Homogenizer (Digital, 1 – 2000 ml)	
41	unit	1	Laminar Flow Hood	
42	unit	1	Real-time PCR Machine	
43	unit	6	Fiberglass, Circular Tank + 2" Pipe & Valve (2.5 tons)	

Section VII. Technical Specifications

Technical Specifications

Item No.	Unit	Qty	Item Description	STATEMENT OF COMPLIANCE
1	units	2	Algae Culture Rack	[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.]
			• Made of tubular mild steel pipes flawlessly constructed duly powder coated.	
			• (For longer life so as to provide the structure due protection from issues like corrosion for durability).	
			• Each rack of size 48"x18" (depth) is covered with thick transparent glass.	
			• Distance between shelves to shelves is 15".	
			• Platform surface is of 3mm thick transparent glass.	
			• Four 40-watt fluorescent light (with electronic ballast).	
			• 4 x 25 watt incandescent lamps in each shelf with switching arrangement.	
			• UV germicidal light are fitted inside the rack	
			• Fluorescent tubes chocks and ultra violet germicidal tube chocks are fitted outside of rack.	
			• All control panels are fitted on the sides of tissue culture racks comprising of on/off switch of Fluorescent tubes and UV tubes the whole rack is provided with four number castor wheels at the bottom for easy mobility to any place.	
			Lockable castor wheel;	
			Total no. of racks: 4;	
			Total no. of illuminated racks: 4	
			with after sales service and warranty	
2	unit	1	Bacteria Colony Counter	
			• The height of the word: 15mm (6")	
			• Light power:12W(Min.) 28W(Max.)	
			• Total power<50W	
			• Colony center diameter: ø155mm	
			• Suitable Petri Dishes: ø50-ø150mm	
			• Have the function of counting in bidirectional	
			• Caxial lighting,3 times enlargement, 9 times enlargement	
			with after sales service and warranty	
3	units	11	Fiberglass, circular flat bottom (1 ton)	
			with tubing, aerator	
			Material: FRP	
			Usage/Application: Fish Farming	
			Height: 2-4 Feet	
			Color: Blue	
			Wall Thickness: 4-6 mm	
			Surface Finish: Color Coated	
			with after sales service and warranty	
4	lot	1	Laboratory Chair (1 Set of 12 pcs)	
			• 18 in. Adjustable Chrome Foot ring	
			• Adjustable Contoured Back	
			• Pneumatic Height Adjustment, Waterfall Seat	
			• Polyurethane	
			• 22 in. to 31 in. Nominal Seat Height Range	

			with after sales service and warranty
5	units	3	Filled Oxygen Tank (50 lbs)
			• Include Control Valve
			• Include Meter Check
			• Include Filling Pump
			with after sales service and warranty
6	units	4	Plankton Net (20µm Mesh)
			diameter: 300mm
			Net length: 880mm
			Frame material: Stainless steel Towing line
			length: 7m Filter Size: 50mm
			with after sales service and warranty
7	units	2	Shelving (Heavy Duty)
			• 4 shelf unit
			• 1000 lb. capacity per shelf
			• 60 inches width x 24 inches depth x 70 inches height
			• Electrostatic coating of steel; Frame is 19 gauge cold rolled steel
			with after sales service and warranty
8	units	2	Submersible Pump
			• Single Phase 1HP
			• Semi-open impeller designed for the general
			• dewatering pumping use
			• Stainless Steel SUS# 304 Motor Casing
			• Stainless Steel SUS# 304 Strainer
			with after sales service and warranty
9	unit	2	Dissolved Oxygen Portable Meter
			AC Adapter: Universal 50-60 Hz, 100-240 VAC power adapter
			Accuracy (Barometer): ±6mmHg
			Accuracy (Polarographic DO): ±0.2mg/L or ±2% of reading, whichever is greater
			Accuracy (RDO): ±0.1mg/L up to 8mg/L, ±0.2mg/L from 8 to 20mg/L, ±10% of reading up to 50mg/L
			Accuracy (Temperature): ±0.1°C
			Alarm Output: Calibration due alarm (fixed 12 hour)
			Barometric Pressure Correction: 400 to 850mmHg, automatic using built-in barometer or manual entry
			Battery Life: 800 hours
			Battery Type: Four AA (included)
			Calibration Modes: Water-saturated air, air-saturated water, manual (Winkler titration), zero point
			Display Type: Graphic LCD with Backlight
			with after sales service and warranty
10	unit	2	Portable pH Meter
			AC Adapter: Universal 50-60 Hz, 100-240 VAC power adapter
			Accuracy (mV): ±0.2 mV or ±0.05% of reading whichever is greater
			Accuracy (pH): ±0.002
			Alarm Output: Calibration due alarm (fixed 12 hour)
			Battery Life: 800 hr.
			Calibration: pH, relative mV (RmV), ORP and

			temperature
			Calibration: Points 1 to 5
			Data Management Details Transfer single, range or all data points to printer or computer
			Includes: Star A221 pH meter, 8107UWMMD ROSS Ultra gel-filled epoxy-body pH/ATC electrode with 3m cable, pH 4/7/10 buffer and rinse pouches, ROSS storage solution, protective meter armor, hard-sided carrying case, 4 AA batteries, computer cable
			Inputs: BNC (pH or ORP electrode), pin-tip (reference electrode), 8 pin MiniDIN (ATC temperature probe)
			Isopotential: Point 7.000pH
			with after sales service and warranty
11	unit	2	Premium Fiber Glass Fish Tank
			Tank size (feet): 11 x 5 x 3 = RM 5300
			Filter size: 5 feet = RM 450
			with after sales service and warranty
12	unit	15	Rectangular Tanks (180 x 60 x 48 in)
			Surface Treatment: Gel Coat
			Color: Blue
			Thickness: 6mm
			Usage: Fish Tank
			Molding Method: Resin Transfer Molding
			Material: Fiberglass
			Fiber Type: GFRP
			Type: Epoxy FRP
			Accessory 1: Foot
			Accessory 2: Flanges
			Shape: Rectangle
			Specification: 1 ton
			with after sales service and warranty
13	unit	12	Rectangular Tanks (180 x 60 x 48 in)
			Surface Treatment: Gel Coat
			Color: Blue
			Thickness: 6mm
			Usage: Fish Tank
			Molding Method: Resin Transfer Molding
			Material: Fiberglass
			Fiber Type: GFRP
			Type: Epoxy FRP
			Accessory 1: Foot
			Accessory 2: Flanges
			Shape: Rectangle
			Specification: 2 tons
			with after sales service and warranty
14	unit	10	Rectangular Tanks (180 x 60 x 48 in)
			Surface Treatment: Gel Coat
			Color: Blue
			Thickness: 6mm
			Usage: Fish Tank
			Molding Method: Resin Transfer Molding

			Material: Fiberglass
			Fiber Type: GFRP
			Type: Epoxy FRP
			Accessory 1: Foot
			Accessory 2: Flanges
			Shape: Rectangle
			Specification: 5 tons
			with after sales service and warranty
15	unit	10	Rectangular Tanks (180 × 60 × 48 in)
			Surface Treatment: Gel Coat
			Color: Blue
			Thickness: 6mm
			Usage: Fish Tank
			Molding Method: Resin Transfer Molding
			Material: Fiberglass
			Fiber Type: GFRP
			Type: Epoxy FRP
			Accessory 1: Foot
			Accessory 2: Flanges
			Shape: Rectangle
			Specification: 10 tons
			with after sales service and warranty
16	unit	1	Touch Thermal Cycler
			Input power, W, maximum: 850
			Frequency, Hz, single phase: 50-60
			High resolution color display, cm: 12 x 9
			Ports (USB A / USB B): 5/1
			Fuses — 2 (A/V/mm): 10/250/20
			Onboard memory, protocols: >1,000
			(W x D x H), cm: 33 x 46 x 20/13 x 18 x 8
			Weight, kg/lb: 10/23
			Temperature control modes: Calculated and block
			PCR license: Yes
			Security features (password protection, optional log-in, and secure mode): Yes
			Reporting (exportable run logs and system error logs): Yes
			Onboard software, Windows CE 6.0: Yes
			PC compatibility (Windows XP or higher): Yes
			USB peripheral compatibility (mouse, USB flash drive, bar code reader): Yes
			Real-time PCR upgrade: Yes
			Instant incubate: Yes
			with after sales service and warranty
17	unit	1	Histology Microtome
			• High cutting precision
			• 30-degree inclination range
			• Double-sided knife holder
			• Section thicknesses adjustment from 1 to 25 um
			• Industrial and biological applications
			with after sales service and warranty
18	unit	1	Water Bath & Slide Warmer
			Tissue Floating Bath

			Glass tray interior size: L25.6 x W 16.5 x H5cm
			Temperature: Room temperature to 70 °C ± 2 °C
			Default Setting: 65 °C
			Slide Warmer
			Maximum Capacity: 40 slides
			Temperature: Room temperature to 90 °C ± 2 °C
			Setting Time range: 1-240mins
			Whole Machine
			Voltage: AC120V50Hz/220v50Hz
			Humidity: <80%
			with after sales service and warranty
19	set	1	Embedding Tissue Cassette
			Type: Tissue cassette (1,500 pcs)
			Pore style: slots
			Material: Plastic
			Description: Tissue cassette
			Closure type: Combination lid
			with after sales service and warranty
20	unit	1	Cassette Storage Cabinet
			• Sturdy ABS plastic constructions
			• Six drawers that holds 1500
			• Standard tissue cassette
			• Ergonomic handle
			• Stackable Top and bottom design
			with after sales service and warranty
21	unit	1	Histology Equipment Automatic Tissue Processor
			Number of Cups: 12 (nine cups for reagents and three cups for paraffin)
			Length of Processing Time: Adjustable within 0-99 hours for the 1st station and within 0-24 hours for other stations
			Temperature Range of Paraffin Cup: adjustable within RT - 99°; dual protection
			Heating Mechanism: Internal dry heating automatically begins when the tissue enters the 2nd cup, thus avoiding unnecessary energy waste.
			Capacity of Single Cup: 1000ml
			Temperature Control Precision: ± 1 °C
			Dripping Time: Adjustable within 10-60 s; shake/drip above cup
			Frequency of Agitation: 2 times/minute
			Battery backup with more than 6 hours of continual running power
			Acceptable Temperature Range of Operation Environment: 0 ~ 40°C
			Working Voltage: AC 220V $\pm 10\%$ 50Hz (standard model); AC110V $\pm 10\%$ 60Hz
			Power: 500W
			with after sales service and warranty
22	unit	1	Precision Texture Analyzer
			Load

			Maximum Load Rating in tension or compression: 500 N (110 lbf)
			Load Accuracy: $\pm 0.1\%$ of full scale for loadcells from 2 – 500 N
			Load cells: Intelligent digital loadcells, changeable by the user in seconds
			Load cell Capacities Available: 2, 5, 10, 25, 50, 100, 250, 500 N (0.45 – 112 lbf)
			Speed
			Speed Range: 1 – 500 mm/min (0.04 – 19.5 in/min)
			Speed Accuracy: $\pm 0.1\%$ of set speed
			Speed Resolution: 1 mm/min (0.04 in/min)
			Displacement
			Displacement Accuracy: ± 0.13 mm
			Displacement Resolution: 0.01 mm (0.0004")
			Maximum Travel: 300 mm (12")
			Dimensions
			Data Acquisition Rate: Selectable from 1000, 500, 100, 50, 10 Hz
			Internal Sampling Rate: 16 kHz
			Power Supply: 110V/230V ac, 60/50 Hz
			Weight: 19.2 kg (42.3 lbs)
			Operating Temperature: 10°C – 35°C (50°F – 95°F)
			Humidity Range: Normal industry and laboratory conditions, non-condensing
			with after sales service and warranty
23	unit	1	Diode array (DA)- NIR Multi-Purpose Analyzer
			Analysis time: 6 seconds
			Measurement mode: Down view reflection or transreflectance
			Sample types: Unground grains and pellets, powders, pastes, slurries, liquids and more
			Sample area analyzed: Up to 108 cm ²
			Sample Volume: Flexible 1-400 mL, depending on sample type
			Display: 12-in. color touchscreen
			Operating software: Results Plus
			Interface: USB ports and Ethernet
			Operating temperature range: 5 °C to 40 °C
			Ingress protection: IP 65
			Wavelength range: 900 -1700 nm detector, 950 - 1650 nm applied
			Detector: Indium gallium arsenide (InGaAs)
			Wavelength accuracy: < 0.05 nm
			Regression options PLS: (Partial Least Squares), ANN (Artificial Neural Networks), HR (Honigs Regression), Classification
			Power requirements: 100 - 230 V, 50/60 Hz
			with after sales service and warranty
24	unit	2	Laboratory Shaker
			Orbital movement: 10mm (0.4 inches)
			Maximum humidity: 80%
			Operating temperature range: 4-40°C

			Speed range: 100-300rpm
			with after sales service and warranty
25	unit	1	Dry Type Fish Feed Extruder Machine To Make Floating Fish Feed or Sinking Feed (with installation)
			Capacity: 30-2000kg/h
			Main Power: 3-132kw
			Pellet specification: 0.9-15mm
			Application: for producing floating feed pellets of all kinds of aquatic animal.
			Installation: Offer manual book and engineer's guidance
			with after sales service and warranty
26	unit	1	Sieve Shaker
			<ul style="list-style-type: none"> • Sieves Size Accepted (OD): 8" or 12" • Frequency: 231 oscillations per minute • Width (in) 23 • Depth (in) 15 • Height (in):13 • Width (cm) 58.4 • Depth (cm) 38.1 • Height (cm) 33 • Power (VAC) 220 • Power (Hz) 50 • Description Coarse Sieve Shaker, 8" or 12" sieves, 220 VAC
			with after sales service and warranty
27	unit	1	Soil Sampling Sieve Set, Stainless Steel, 2" Height
			material: durable stainless steel mesh and a nickel-plated steel frame
			each sieve measures 2" (5 cm) H x 8" (20 cm) diameter
			Six sieves:
			U.S. Standard No. 5 (4000 micron),
			U.S. Standard No. 10 (2000 micron),
			U.S. Standard No. 35 (500 micron),
			U.S. Standard No. 60 (250 micron),
			U.S. Standard No. 120 (125 micron),
			U.S. Standard No. 230 (63 micron)],
			lid, and catch pan
			with after sales service and warranty
28	unit	1	Muffle Furnace
			Type: Digital, OTP
			Length (English): 25.75 in.
			Power Consumption: 3500 w
			Frequency: 50/60 Hz
			Depth (English) Interior: 9 in.
			Certifications/Compliance: UL
			Temperature Control: Digital/OTP
			Electrical Requirements: 208/240 V 50/60 Hz
			Length (Metric): 65.4
			Capacity (English): 0.65 cu.ft.
			Width (Metric) Interior: 22.9 cm
			Height (English) Interior: 14 in.

			Dimensions (L x W x H) Exterior: 25.75 x 21 x 26 in. (65.4 x 53.3 x 66 cm)
			Height (English): 26 in.
			Width (English): 9 in.
			Height (Metric) Interior: 35.6 cm
			Height (Metric): 66 cm
			Voltage: 208/240 V
			Temperature (Metric): 100°C to 1100°C
			Depth (Metric) Interior: 22.9 cm
			Description: 18.4 L; Digital/OTP Control; 240V, 50/60Hz; 3500W
			Capacity (Metric): 18.4 L
			with after sales service and warranty
29	unit	1	Analytical Balance (220g x 0.1mg)
			Capacity x Readability: 220 x 0.0001 g
			Repeatability: 0.1 mg
			Linearity: 0.2 mg
			Typical stabilization time (seconds): 2
			Weighing pan size diameter: 90mm
			Weighing chamber height: 209mm
			with after sales service and warranty
30	unit	1	Mini PCR Plate Spinner for Two PCR Plates, 115V
			Speed: 2,500 rpm
			Maximum capacity: 2 standard PCR or microtiter plates
			Ambient operating range: 4° to 35°C
			Weight: 3.3 lb/1.5 kg
			with after sales service and warranty
31	unit	1	Digital Dry Bath
			Temperature range: Ambient +5° to 150°C, in 0.1° increments
			Temperature resolution: 0.1°C
			Temperature uniformity: ±0.2°C
			Temperature accuracy: ±0.3°C
			Temperature control: Microprocessor
			Block chamber construction: Stainless steel
			Electrical : 230V~ or 120V~, 50/60 Hz
			with after sales service and warranty
32	unit	1	Autoclave
			Temperature:
			Operating Range: 105°C to 135°C
			Display Range: 137°C
			Warming Range: 45°C to 60°C
			Agar Dissolution: Heating at 60°C to 100°C for up to 1 hour (temperature and time programmable), followed by 45°C to 60°C (programmable for up to 20 hours to prevent coagulation)
			Gauge Pressure:
			Operating Range: 3 to 30 psi (0.02 to 0.206MPa)
			Maximum Allowable: 38 psi (0.26MPa)
			Timer:
			Sterilization: 1 to 250 minutes

			Delayed Auto-start: Program autoclave to start 1 minute to 7 days later
			with after sales service and warranty
33	unit	1	Gradient Thermal Cycler
			Thermal Cycler:
			Sample capacity: 96 x 0.2 ml tubes, 0.2 ml tube strips, or 1 x 96-well plate
			Maximum ramp rate, °C/sec: 4
			Average ramp rate, °C/sec: 2.5
			Temperature range: 4–100°C
			Temperature accuracy: ±0.5°C of programmed target
			Temperature uniformity: ±0.5°C well-to-well within 30 sec of arrival at target temperature
			Input power: 100–150 VAC, 50–60 Hz; 220–240 VAC, 50–60 Hz; 700 W maximum
			Display: 5.7" VGA color touch screen
			Port: 1 USB A
			Memory: 500 typical programs; unlimited with USB flash drive expansion
			Gradient:
			Gradient range: 30–100°C
			Temperature differential range: 1–25°C
			with after sales service and warranty
34	unit	1	Microcentrifuge
			Capacity: 8 x 1.5/2.0 mL , 4 place PCR Strip
			Max. Speed: 6000 rpm
			Maximum RCF: 2000 x g
			with after sales service and warranty
35	unit	1	Nano Spectrophotometer
			Wavelength:
			Wavelength Range: 198 to 1000nm
			Wavelength Accuracy: ±2nm
			Spectral Bandwidth: 5nm
			Path Length: 0.2 or 0.5mm (auto-ranging)
			Photometrics:
			Absorbance Range 15 to 125A (10mm equivalent)
			Absorbance Accuracy ±2% at 260nm
			Absorbance Precision <0.005A between 0 and 1A (at 260nm and 0.5mm)
			Concentration/ Quantitation:
			Maximum Concentration: 6,000 ng/μl (dsDNA) (at 0.2mm)
			Detection Limit: 2ng/μl (dsDNA) (at 0.5mm)
			Measurement Time: <6.5 seconds
			Minimum Sample Size: 0.5μl (at 0.2mm) 1.0μl (at 0.5mm)
			Maximum Sample Size: 5μl
			DNA measurement modes: dsDNA, ssDNA, RNA, Oligonucleotides, 260/280, 260/230, Variable ratio
			Protein measurement modes: BCA, Bradford, Lowry, Biuret, Direct UV
			with after sales service and warranty
36	unit	1	UV/Vis Spectrophotometer

			Type: UV-Visible
			Wavelength Range: 190–1100 nm
			Wavelength Accuracy: ± 0.5 at 541.94 nm
			Scanning Speed: 24,000 nm/min, 80 data points/sec
			Spectral Bandwidth: 1.5 nm fixed
			Light Source: Xenon flash lamp
			Optical System: Double beam Czerny-Turner monochromator
			Detector(s): Dual silicon diode
			Applications: Quality control of raw materials and finished goods, Color measurements and color matching
			Sample Format: Liquids, solids
			with after sales service and warranty
37	unit	1	Gel Documentation System
			Maximum sample size: 28 x 36 cm
			Maximum image area: 25 x 26 cm
			Excitation source: Trans UV 302, 254, 365 nm & White, Epi-White light
			Illumination control: 3 modes (trans-UV, trans white, epi-white)
			Detector: CCD
			CCD resolution (H x V): 768 x 494 RS-170 752 x 582 CCIR
			Pixel size in microns (H x V): 8.4 x 9.8
			Filter holder: 2 positions (1 Emmision Filter, 1 Chemi)
			Emission filters: 1 included (amber), 4 optional
			Dynamic range: 1.8 Orders
			Pixel density (gray levels): 8 bit (256 gray levels)
			with after sales service and warranty
38	unit	3	Micropipettes
			Compatible Tips: Flex 10, 10, 50
			Increments: 0.002 μ L
			For Use With: Flex 10, 10, 50
			Number of Channels: 1
			Volume (Metric): 0.2 to 2 μ L
			with after sales service and warranty
39	unit	1	Electrophoresis System
			Power Supply:
			Overall Dimensions: 75 mm (B) x 62 mm (H) x 170 mm (L)
			Weight: 410 g
			Input Voltage: AC100-240V (Internationally compatible, 50/60 Hz)
			Output Voltage: 18 V, 25 V, 35 V, 50 V, 70 V, 100 V and 135 V.
			Timer: Can be set between 0 and 99 min. and cont. mode. Temporary shutdown supported
			Memory function: Automatic memory (the last used V & T)
			One-Gel Tray:
			Overall dimensions small tray: 130 mm (B) x 16,5 mm (H) x 59,5 mm (L)

			Overall dimensions large tray: 130 mm (B) x 24 mm (H) x 122 mm (L)
			Quantity: 2 small gel trays and 1 large gel tray
			Combs:
			Number of wells: 13 or 26
			Distances: 13 wells: 9 mm
			26 wells: 4.5 mm
			Number of combs: 4, can be used on both sides (all combs can be used for 13 or 26 pockets)
			Material: Heat resistant (up to 100 ° C hot solution can be used)
			with after sales service and warranty
40	unit	1	Homogenizer (Digital, 1 – 2000 ml)
			Min Sample Size (mL): 1
			Min Sample Size (Liters): 0.001
			Max Sample Size (mL): 2000
			Max Sample Size (Liters): 2
			Max Speed (rpm): 25000
			Min Speed (rpm): 500
			Wattage (Input): 800
			Wattage (Output): 500
			Power (VAC): 220
			Power (Hz): 50/60
			with after sales service and warranty
41	unit	1	Laminar Flow Hood
			Pre-Filter: Washable polyurethane foam
			Final Filter: HEPA: 99.99% efficient @ 0.3µm particles
			Fan Motor: Direct drive, forward curve, centrifugal-type with sealed bearings; rated for continuous duty; furnished with overload protection and a two-speed switch.
			Average airflow velocity: 90 feet/minutes (fpm)
			Air Flow: 650 4-Foot Model
			Sound Level: 50 dBA, measured no more than 30" from filter face @ 90 FPM
			Electrical: 110VAC, 50/60Hz Meets the requirements of the National Electrical Code and applicable local codes. All components UL listed and CE marked
			Performance: Particle count exceeds Class 100 requirements
			with after sales service and warranty
42	unit	1	Real-time PCR Machine
			Capacity: 96 x 0.1 ml tubes, 12 x 8-tube strips, 1 x 96-well plate
			Detection Method: SYBR, Primer-Probe Detection
			Format: 96-well plate, 8-tube strips, 0.1 ml tubes
			Green Features: Sustainable packaging
			High-throughput Compatibility: Multiplexing
			Optics: 4 emission filters, Blue LED excitation source, photodiode
			Passive Reference Dye: ROX (Separate Tube), No ROX, ROX (Pre-mixed)

			Peak Block Ramp Rate: 4.6°C/sec
			Reaction Speed: Fast, Standard
			Reaction Volume Range: 10-30 µl (Standard curve experiments: 40 µl in standard mode is validated)
			Run Time: <2 hrs/run (Standard Mode), <40 min/run (Fast Mode)
			Sample Ramp Rate: Fast mode: ± 2.2°C/sec, Standard mode: ± 1.6°C/sec
			Temperature Accuracy: 0.25°C (35 to 95°C) of display temperature
			Temperature Range (Metric): 4-100°C
			Temperature Uniformity: 0.25°C (35 to 95°C) of setpoint/display temperature
			Thermal Cycling System: Peltier-Based System
			Display Type: LCD Touch Screen
			with after sales service and warranty
43	unit	6	Fiberglass, Circular Tank + 2" Pipe & Valve (2.5 tons)

Section VIII. Checklist of Technical and Financial Documents

Checklist of Technical and Financial Documents

I. TECHNICAL COMPONENT ENVELOPE

Class “A” Documents

Legal Documents

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

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

Technical Documents

- ☐ (f) Statement of the prospective bidder of all its ongoing government and private contracts, including contracts awarded but not yet started, if any, whether similar or not similar in nature and complexity to the contract to be bid; **and**
- ☐ (g) Statement of the bidder’s Single Largest Completed Contract (SLCC) similar to the contract to be bid in the amount of *at least 50% of the ABC or at least Four Million Eight Hundred Fifty-Eight Thousand Two Hundred Fifty Pesos (PhP 4,858,250.00)*;
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 Four Million Eight Hundred Fifty-Eight Thousand Two Hundred Fifty Pesos (PhP 4,858,250.00)* and the largest of these similar contracts must be equivalent to at least half of the said aggregate amount or *at least Two Million Four Hundred Twenty-Nine Thousand One Hundred Twenty-Five Pesos (PhP 2,429,125.00)*; **and**
- ☐ (h) Original copy of Bid Security. If in the form of a Surety Bond, submit also a certification issued by the Insurance Commission;
or
Original copy of Notarized Bid Securing Declaration; **and**
- ☐ (i) Conformity with the Technical Specifications; **and**
- ☐ (j) Schedule of Requirements/production and delivery schedule; **and**
- ☐ (k) Manpower requirements; **and**
- ☐ (l) After-sales service/parts; **and**

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

Financial Documents

- ☐ (n) The Supplier's audited financial statements, showing, among others, the Supplier's total and current assets and liabilities, stamped "received" by the BIR or its duly accredited and authorized institutions, for the preceding calendar year which should not be earlier than two (2) years from the date of bid submission; **and**
- ☐ (o) The prospective bidder's computation of Net Financial Contracting Capacity (NFCC) – at least equal to ABC (**PhP 9,716,500.00**);
or
A committed Line of Credit from a Universal or Commercial Bank in lieu of its NFCC computation (at least 10% of ABC or **PhP 971,650.00**).

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

3. Create two (2) folders that are password-protected. The first folder should contain all requirements under Technical Component checklist as presented under Section VIII. The second folder should contain all requirements under Financial Component checklist.
4. Compress the two (2) folders and name as follows: a) first folder: **Technical Documents**, b) second folder: **Financial Documents**.
5. Email the 2 compressed folders to Ms. Jessamine C. Ecleo at jessamine.ecleo@vsu.edu.ph before the deadline (December 6, 2021; 8:30 AM).



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