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# Rids and Awards Committee (BAC) Goods and Services

#### SUPPLEMENTAL/ BID BULLETIN Addendum No. 2023-08

PROJECT NUMBER:IB 2023-19PROJECT TITLE:PROCUREMENT OF VARIOUS LABORATORY EQUIPMENT

This Supplemental/bid bulletin is being issued to advise prospective bidders to clarify items in the Bidding Documents in response to the clarification from prospective bidders during the Pre-Bid Conference held on June 8, 2023 at 2:00 P.M. at the Rogelio D. Colting (RDC) Hall. The Bidding Documents and all papers previously issued in relation to the aforesaid project are hereby amended as follows:

## A. Amended Section 7 - Technical Specifications (highlighted)

1. 1-unit Vertical Laminar Flow Hood/ Clean Bench

Specifications: with memory function in case of power failure; audio and visual alarm (abnormal airflow velocity); interlock function: V lamp and blower; LED lamp; external size (wxdxh): at least 1500x700x(2090-2340)mm; internal size (wxdxh): at least 1400x575x625mm; work surface height: at least 750-1010mm; maximum opening: **at least 430mm**; display: LCD display; airflow velocity: at least 80-99 fpm; material: working area: 304 stainless steel; main body: **at least 1.2mm cold-rolled steel with anti-bacteria powder coating**; front window: motorized; **5mm toughened glass**; anti-UV; polyester fiber pre-filter; HEPA filter: one, 99.995% efficiency at 0.3um; **noise: ≤68dB(A)**; illumination: ≥300lx; waterproof sockets: one socket (double type), American standard, maximum power: 500W; power supply: 220 VAC; consumption: 950W; UV lamp: 40Wx1; LED lamp: 18Wx1; standard accessory: manually height adjustable base stand, LED lamp, UV lamp, wind speed sensor, waterproof socket; gross weight: at least 280kg, with AVR, with warranty and installation.

2. 1-unit UV-VIS Spectrophotometer

Specifications: wavelength range: 190–1100 nm; wavelength accuracy: **at least ±0.1 nm**; scanning rate: 10, 100, 200, 400, 800, 1200, 2400, 3600, 6000 nm/min; spectral bandwidth: 0.5 nm – 6000 nm; optical system: Czerny-Turner, Dual Beam Monochromator; light source: Tungsten-Halogen, Deuterium Lamps and Xenon Lamps; Silicon Photodiode detectors; cuvette type: 1 pair quarts; with built-in touch screen monitor or better connected to PC with software installation, with AVR, with warranty and equipment training.

#### 3. 1-unit Vertical Autoclave

**Specifications:** capacity: 100 liters; temperature range: 105–134 °C; sterilization temperature: 134°C; heat average:  $\leq$ 1°C; **working pressure: 0.12- 0.22 MPa**; maximum working pressure: 0.23 MPa; timer range: 0–60 minutes; overall dimension (lxwxh): at least 590x590x1080mm; weight: at least 85kg; power: 4500W; power supply: AC220V 50Hz; stainless steel structure; hand wheel type; door safety lock system; digital display; automatic exhaust system for cold air and pressure; over-temperature and over-pressure autoprotection; alarm function for completion of process and low water level; self-inflating-type seal; drying system, with accessories for water source inlet, with AVR, with warranty, installation, and equipment training.

- 4. 1-unit Continuous Stirred Tank Fermenter/ Bioreactor
  - Technical specifications as is

#### 5. 1-unit Water Purification System

- Specifications: Applications: Microbiology, Cell Culture; Bacterial retention: 99%; **Feedwater connector: at least 3/4 in. NPT**; feedwater source/input: tap water; Product Water Type/output: both type I and type II water; Resistivity: Type 1: 18.2 Mohm.cm at 25°C Conductivity: Type 1:0.055µS/cm; endotoxin concentration: 0.005 EU/mL Bacterial content: <0.01 CFU/mL; total organic carbon: 1 to 5 ppb; Feedwater pressure: 1 to 6 bar; operating pressure: 1 to 6 bar; Permeate performance: 3 L/hr. at 10°C; flow rate: 0.6 L/min.; RO flow rate: 3 L/hr.; particle >0.2µM/mL: <1; includes: internal 6 L tank with vent filter, RO/pretreatment cartridge, ultrapure polisher cartridge, sterile 0.2µm filter, pressure regulator, and UV lamp; hand dispenser kit (at least 3m maximum length from the unit); Power consumption: 0.06 kW; Electrical requirements: 220V; Dimensions (wxh): at least 305x545mm; Depth: at least 400 mm; Net weight: at least 22 kg; preferably with AVR, With warranty, installation, and equipment use training

6. 1-unit Ultra-low Freezer

Specifications: Sizes: external size of at least 700x700x1,580mm; internal size of at least 458x430x788mm; vertical; capacity of at least 158liters; **temperature range within -40-86°C** accuracy 0.1°C, microprocessor control, LED display; high temperature, sensor failure; direct refrigeration, mixture refrigerant; 1 set compressor, copper condenser, and evaporator; unibody design and mono-assembly foaming (rigid polyurethane insulation material) body, cold-rolled steel with an antibacterial powder coating on the external body; lockable door with 4 casters; 3 chambers with inner door; 2 pieces of shelf; 480W consumption; 220V power supply; 72-hour battery backup for power failure alarm; gross weight of at least 155kg, with AVR, warranty, installation, and equipment training

7. 1-unit Oven Sterilizer

Specifications: CRC/mild steel with powder coating; temperature range: 10°C to 250°C; temperature stability: ±1°C; with mains and load indicators, fan switch and main switch, temperature controller; power supply: 220 VAC; single phase; 60 Hz; double metal sheet body with AIS pockets; three fans cooling body; digital temperature control with display; thermostat added to control the transfer of heat for fine temperature control; insulated glass door window to view the sample; perforated stainless steel removable two racks; temperature over shoot high and low temperature alarm; external size (wxdxh): at least 500x550x735; internal size (wxdxh): at least 350x350x350; **volume capacity of at least 45 liters**, with AVR, with warranty, installation, and equipment training

- 8. 1-unit Laboratory Refrigerator
  - Technical specifications as is
- 9. 1-unit Shaker Incubator

**Specifications:** Controller: PID; display: LCD; circulation mode: forced convection; **rotary shaking; unishaft drive or multi-direction** ; temperature range: 5~60°C; accuracy: ±0.1°C; temperature uniformity: ±1°C; 30~300rpm rotating speed: rotating accuracy: ±1rpm; vibration range: 25mm; CFC-Free refrigerant; 200W cooling consumption; heating consumption: 800W; timing range: 0~999.59h; shaking plate size: 780x480mm; standard capacity: 250mlx40pcs; maximum capacity: 2000mlx12 or 1000mlx28 or 250mlx40; mirror stainless steel internal material: cold-rolled steel with anti-bacterial powder-coated external material; safety functions: audio and visual alarm for over-temperature; alarm for over-speed; independent over-temperature protector; shutdown protection for door opening; leakage or over-current protection; power supply: 220V; internal size (wxdxh) mm: at least 870x550x395; external size (wxdxh) mm: at least 1150x780x640; gross weight (kg): at least 190, with AVR, with warranty, installation, and equipment training

#### **B.** Delivery Period:

- From 60 calendar days to 90 Calendar days

#### C. Technical Requirement

Item 3 – Statement of Single Largest Completed Contract (SLCC) – equivalent to at least 50% of the <u>ABC</u> that is similar in nature to the project.

(Note: The ABC shall be based on the total amount of the items in which the bidder chooses to participate).

#### D. Payment of Bid Document Fee

- 1. Bid document Fee Php. 5,000.00
- 2. Payment of bid doc fee maybe done through the Landbank epayment portal using the link https://www.lbp-eservices.com/egps/portal/index.jsp

This Supplemental Bid Bulletin No. 2023-08 shall form part of the Bidding Documents. Any provision in the Bidding Documents and other documents in consistent herewith is hereby amended, modified and superseded accordingly. Other provisions shall remain in full force and effect.

### (SGD) REYNANTE B. BASCO

Chairperson Bids and Awards Committee (Goods and Services)