



IB 2023-23- PROCUREMENT OF VARIOUS LABORATORY EQUIPMENT FOR THE COLLEGE OF NATURAL SCIENCES

Brief description of the Project: *Supply, Delivery and Installation of various
Laboratory Equipment*

ABC: Php. 1,055,200.00

Delivery Period – 90 Calendar Days

Source of Funds: IGI

End User: College of Natural Sciences

1. 1-unit Water Bath

Specifications: capacity: at least 22L; temperature range 5 °C - 99 °C; Digital PID controller; PT -100 sensor; with timer; stainless steel plate interior, steel plate with powder coating; safety measures should include over temperature limit, over current glass fuse; AC 220 V, 60Hz; with compatible AVR; 1 year warranty of parts and services

ABC: 67,200.00

2. 3-units Hotplate with Magnetic Stirrer

Specifications: Temperature range: 40 to 350 degrees Celsius; timer = 1 min to 100 hours; temperature accuracy +/- 1 degree Celsius; display accuracy 1 degree Celsius; speed range = 200 - 1600 rpm; dimension (L x W x H) at least 20 x 22 x 11 cm (8 x 9 x 4.5"); Max stir bar length = 50 mm; with AVR and 1 year warranty on parts and service.

ABC: 150,000.00

3. 1-unit Fume Hood

Specifications: Dimension (L x W x H) at least 47" x 28" x 94" with 19 mm Fire Resistant Black Solid Epoxy Resin Worksurface/top ; Powder coated chemical and corrosion resistant G.I.#18 exterior casing and fiberglass interior casing with fiberglass adjusting baffles and front panel; Vertical sliding door/adjustable glass 6 mm thick on PVC sash; Vapor and Explosion proof with Fluorescent bulb; Switch and 2-2 gang universal electric outlet 220 VAC; 1 control switch with illuminator for blower and light - 220 VAC with blower and light; Laboratory grade gooseneck water faucet and gas picket with turret base; Acid resistant epoxy coated fiberglass/polypropylene cup sink complete with traps and accessories; 1 steel base cabinet #18 G.I. powder coated corrosion/chemical resistant, Blower 1hp with Nalgene impeller fan and housing with 80-100 fpm performance; 1 set ducting, epoxy coated fiberglass "8" inlet diameter, 8 feet long with epoxy coated fiberglass elbow, coupling and weather cap. *Comes complete with ACTIVE DRY CARBON SCRUBBER SYSTEM, includes ducting, electrical and accessories installation. Industry Standard Warranty on Parts and Services, Compatible AVR and training on equipment use. ANSI approved or ISO 17025 approved

ABC: 600,000.00

4. 1-unit Centrifuge

Specifications: Max. speed - 16000 rpm; with a Relative Centrifugal Force of 213300 x g; Max. capacity - 10 x 20 ml; Dimension (L x W x H) 24 x 39 x 24 cm; Voltage (V/Hz)-AC 220 V,60 HZ with a maximum power consumption of 280 watts; Rotor: acceleration time of at least 15 secs.; Deceleration time of at least 15 secs.; Timer: 10 secs to 10 hours with continuous run function; Soft brake function of 10 ramps; Noise level <51 dB (A); with compatible AVR.

ABC: 180,000.00

5. 1-unit Two Door Acid Cabinet with 2 Shelves

- **Specifications:** Dimensions: of at least 65 " H x 34 " W x 34 " D (exterior) and 60.5 " H x 30.8 " W x 30.3" D (Interior); constructed in 1.2 mm thick mild steel; with welded seams; Steel "L" Type lever handle and two steel locking rods top and bottom (supplied with 2 keys); With fully welded shelf trays (adjustable on 25mm pitches) to retain minor spills; Integral, non- removable, spillage sump in the base of the cabinet/bin (50-100 mm dependent upon cabinet size; Epoxy polyester powder coated in yellow. With relevant warning labels displayed in the door.

ABC: 58,000.00