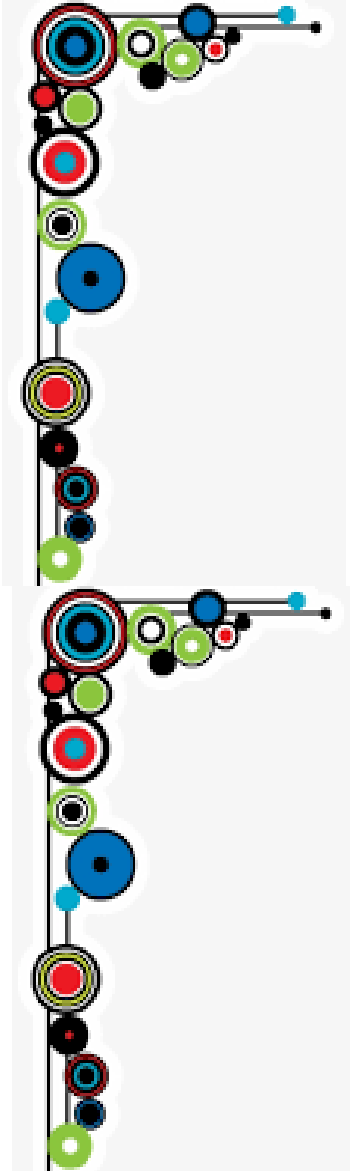


**IB 2023-18- SUPPLY, DELIVERY AND INSTALLATION OF
VARIOUS LABORATORY EQUIPMENT**



***SECTION 7 –
TECHNICAL
SPECIFICATIONS***

TECHNICAL SPECIFICATIONS

IB 2023-18- SUPPLY, DELIVERY AND INSTALLATION OF VARIOUS LABORATORY EQUIPMENT

Item	Specifications	Statement of Compliance
		<p><i>[Bidders must state here either "Comply" or "Not Comply" against each of the individual parameters of each Specification stating the corresponding performance parameter of the equipment offered. Statements of "Comply" or "Not Comply" must be supported by evidence in a Bidders Bid and cross-referenced to that evidence. Evidence shall be in the form of manufacturer's un-amended sales literature, unconditional statements of specification and compliance issued by the manufacturer, samples, independent test data etc., as appropriate. A statement that is not supported by evidence or is subsequently found to be contradicted by the evidence presented will render the Bid under evaluation liable for rejection. A statement either in the Bidder's statement of compliance or the supporting evidence that is found to be false either during Bid evaluation, post-qualification or the execution of the Contract may be regarded as fraudulent and render the Bidder or supplier liable for prosecution subject to the applicable laws and issuances.]</i></p>
1	<p>2-units Bottle Top Dispenser</p> <p>- feature: with recirculation valve. Volume range: 5-25 ml, adjustable in 0.2ml increments. Fittings: (GL 32-33, GL 38 & S 40). Other features suitable for an amazingly broad range of applications, particularly for many acids, saline solutions and organic solvents.</p>	
2	<p>1-unit ELISA Reader</p> <p>-Specifications: compatibility: robot Detector Type: Photodetector, incubator Temperature: Ambient +4°C to 50 °C, interface; user on-Board or PC control, Light Source: Quartz Halogen Lamp. Measurement Speed: 7 s for 96-well Plate (Fast mode), 13 s for 96-well plate (normal mode). Measurement Technology: Absorbance, Plate Type: 96-well plate, 384-well, Plate: Product Line: Multiskan, shaking: Linear; Software type: SkanIt software, wavelength selection: gilters, Accuracy: ± 1% (0 to 3 Abs) or ± 0.003 Abs, whichever is greater at 405 mm. Depth: 15.7 in. (40 cm). Description: Multiskan FC with incubator, Filters: 8-position filter wheel; filters installed: 405nm, 450 nm and 620nm. Height: 8.7 in (22cm). hertz: 50/60 Hz, Linearity: 96-well plate: 0 to 3 Abs, ±2% at</p>	

	405 nm.384-well plate: 0 to 2.5 Abs, ±2% at 405nm. Precision: CV ≤0.2% (0.3 to 3 Abs) at 405 nm. Resolution: 0.001 Abs, voltage: 220 V. Wavelength Range: 340 to 850 nm, width: 11.4 in (29 cm) & unit size each. 1 year warranty; with compatible AVR	
3	<p>1-unit Double Water Distiller</p> <p>- Description: Glass condenser and horizontal flasks; no metallic contact; replaceable silica sheathed heaters and all threaded connector. Technical Specifications: Output: 1.5 liters/ hour; 4.0 liters/ conductivity, Conductivity μScm-0.8-1.2. Temperature of distillate 30-40°C; Pyrogen content; pyrogen free cooling; Includes water input and output hose and hose connector; electric plug and compatible AVR. Water supply 60 liters/hour (approximate) 90 liters/ hour (approx.) electricity supply 220V; 60 hz., single phase. Power requirement 3.0 Kw; 6 Kw. Electricity supply: 220-240V, 50-60 Hz single phase. Power requirement: 3.0kW 6kW; Includes standard warranty on parts and services.</p>	
4	<p>1-unit Vertical Laminar Flow</p> <p>-Specifications: Vertical; External size: at least 802 x615x1575mm; Internal size: at least 800 x 600 x 540mm; Work Surface Height: at least 660mm; LED Display; Airflow velocity: Average of 0.3 - 0.5m/s; Air Speed: Adjustable; Material: Main body: Cold rolled steel with anti -bacteria powder coating; Work Table: 304 stainless steel; Pre-Filter: Polyester fiber; Washable; Hepa Filter: at least 99.999% Efficiency at 0.3 um; Noise: at least <60dB; Front Window: Manual, 5mm toughened glass, Anti-UV; Max. Opening: 490mm; Fluorescent Lamp: 350W-1; UV Lamp: Emission of at least 253.7 nanometers; Consumption: at least 350W, Waterproof Socket: No. 3; Power Supply: 220V ±10%, 50/60Hz; Standard Accessory: Fluorescent Lamp: 1 (30W), UV Lamp: 2; Water and Gas Tap, Stand: Universal Wheel with leveling Feet; Plus Extra Fluorescent Lamp: 1 (30W), UV Lamp: 2 (30W) and Pre and HEPA-Filter plus 1 year service warranty; Gross Weight: at least 120 kg; Package size: (WxDxH) at least 960 x 770 x 1800 mm. Includes compatible AVR.</p>	
5	<p>1-unit Vortex Mixer</p> <p>- Industrial Vortex Mixer, Specifications: Control, Digital Speed Range 500 rpm - 2500 rpm, Orbit at least 4.9 mm, Duty Rating Intermittent, Working Environment: 39oF-104oF, 20%-85%, relative humidity, non- condensing, Power 220V, 0.6A, 50/60Hz, Power Consumption 135W, Dimensions (WxLxH) 123x210x165mm, Net Weight 4.4kg, Other Standard Features and Equipment accessory platform for, test tubes, etc. (Included with pulsing model only), Compliance, Product Safety: ENG1010-1, ENG1010-2-051, Electromagnetic Compatibility; ENG 1326-1 Class A, Industrial Environments, Compliance Marks: CE; RCM; TUV SDO</p>	

6	<p>1-unit Emergency Shower and Eye Wash</p> <p>- Materials: stainless steel; Main piper fittings adopt stainless steel materialized oil resistance, acid proof, alkali prevention and saline solution performances. Push handle and pedal switches are at your option for flexible control of switch and easy operation; the flushing bulb controlled by draw bar of the sprayer can be opened in a second and kept open with no need for hand holding. Living water supplies. It complies with regulations of ANSI/SES on emergency eye wash station and showering equipment- ANSI 2358-2012. The inlet of eyewash station the inlet of vertical eye wash station is 1450mm from the ground. The outlet of eye wash station is 210mm from the ground. Main pipe fittings: 304 series of stainless steel, Water basin: draw ba, spraying header, cross bar, vertical. Shower head: 240mm (5.4) 304 series of stainless steel. The shower head and the spraying header are 210 cm from the ground. Spraying header plate: dimension: 255x75 (diameter, height/mm). Valve: 1-inch female thread, stainless steel, full flow continuous opening ball valve. Inflow of sprayer: 1-inch male thread. Flow rate of sprayer: up to 75.6L/min under 1.4 kgf/cm2 pressure (delivers 300 gallons of water in 15min). Spray head: 304 series of stainless steel, with dust cover; green ABS plastic eye/face wash nozzle, with self-closing nozzle protection cover, reducing pollution probability. The spraying header is 100 cm from the ground. Inlet of eye wash station: 1/2-inch female thread. Flow rate of eye wash station: It is up to 11.4L/min under 2.1 kgf/cm2 pressure (delivers 45 gallons of water in 15min). Weight: 9.5 kg & Package: Carton, 30x83x35 (height, length, width/cm).</p>	
7	<p>1- set Centrifuge</p> <p>Size: 8*1.5ml/0.5ml/0.2ml; 4000 rpm max speed; Max RCF: 1350xg; Rotor: 8*1.5ml/0.5ml/0.2ml; Noise: ≤45Db; Power Supply: AC 220V±10%, 50/60 Hz. External Size: at least 175*156*125 (W*D*H) mm; Net/Gross weight (kg): 1.3/3. Portable; 4 holes.</p>	
8	<p>1- set Water Bath</p> <p>Digital Thermostatic Water Bath; Material: 304 stainless steel, aluminum alloy heating; Power: 600W Plug; EU Plug 220V; Temperature Control Range: 5°C to 100 °C; Temperature Control Accuracy: ±°C; Size: Approx. 300x160x120mm / 11.8x6.3x4.7in.</p>	
	XXXXXXXXXXXXXXXXXXXXXXXXXX	

I have hereby certified to comply with the above Technical Specifications

Name of Bidder over Printed Name

Designation

Date