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June 3, 2019

Bid Bulletin No. 2

Subject: Supply, Delivery and Installation of Ice Maker, Laboratory Refrigerator & Laboratory Freezer under PB 19-02-11

This bid bulletin is being issued to clarify and/or amend the technical specifications as follows:

Revised Technical Specifications:

Attached is the revised technical specifications for the complete details.

Please be guided accordingly.

GENARO S. RILLON
BAC Chairperson

Section VII. Revised Technical Specifications for PB 19-02-11

Item	Specification	Statement of Compliance
		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 Bidders 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 provisions of **ITB** Clause 3.1(a)(ii) and/or **GCC** Clause 2.1(a)(ii)
1	**Supply, delivery and installation of two (2) units Ice Maker** Kind of ice: flake Maximum Production: 250 kg/24h; Maximum Bin capacity: 200 kg; Water consumption: 1 L/kg; Refrigerant: R404a CFC-free; Noise level: ≤ 52 dBA; Breakers: glass cartridge fuse with a rating of 10A, at the protection of the appliance; Power requirements: 220-230V, 60 Hz;	

	Structure: consists of the ice making machine and the storage bin made of stainless steel. The bin is insulated and has a special sensor that signal when the bin is full and consequently stops the machine itself to produce ice; Feet: stainless steel, adjustable in height for leveling; Cooling unit: compounded by hermetic compressor and finned condenser, air cooled through a fan. All mounted components are industrial grade. Includes water inlet and outlet. Includes compatible UPS with built-in AVR anti-surge-compatible to run the machine for at least 3 to 4 hours; **1 year warranty on parts and services**	
2	**Supply, delivery and installation of two (2) units laboratory refrigerator with freezer** **Volume: 340/82 liters (Refrigerator/Freezer) Combination;** Noise Level: 39 dB; **Temperature Setting Range: +2 to +14 °C (Refrigerator) / -20 to -30 °C (Freezer);** Controller: Microprocessor; Display: LED; **Compressor: 2** **Temperature Sensor: Thermistor or better/equivalent;** Cooling Method: Fan forced air circulation (Refrigerator)/ Direct cooling (Freezer); Defrost Method: Cyclical defrost (Ref) / Manual (Frz); **Insulation Material: PUF or better/equivalent; Exterior Material: Painted steel or better/equivalent; Interior Material: Styrol resin (Ref) / Painted aluminum (Frz) or better/equivalent;** Outer Doors: 4, glass window (2); Outer Door Lock: Yes; Casters: 4; Interior Light: Fluorescent (Ref); Alarms (Visual, Buzzer, Remote): Power Failure, High Temperature, Low Temperature, Door Open; Power requirements: 220-230V, 60 Hz;	

	Features: Integrated alarm functions, remote alarm contacts and monitoring, Microprocessor control for accurate temperature management. Mechanical convection airflow- ducts and plenums achieve uniform temperature regardless of product loading, with quick temperature recovery following door openings., High and low temperature alarm includes audible and visual warning with alarm ring back., Remote alarm contacts allow connection to remote alarm system., Open door indicator light with 15 minute delayed audible alarm adds to safety., Keyed door locks contribute to inventory security; Includes Storage Containers: 6 pcs. (Upper), 4 pcs. (Lower); Includes compatible UPS with AVR and data logger; **Warranty: 2 years warranty on parts and services**, 1 time preventive maintenance per year within the warranty period.	
3	**Supply, delivery and installation of four (4) units Laboratory Freezer** **Temperature Control Range: -20 to -40** °C; Noise level: ≤ 42 dBA; **Capacity: 482L or better;** Structure: Upright type; **Compressor: 1;** Exterior Cabinet- Galvanized steel with baked-on finish or better; Interior Cabinet- Styrol resin or better; Insulation: rigid polyurethane foam insulation or better; ECO friendly HCFC-Free and Refrigerant and insulation; Outer Door: Two (2) Insulated and magnetic sealed, One (1) Door lock and Two (2) lockable door latches for each door; Alarms (Visual, Buzzer, Remote) for power failure, high temperature, and low temperature;	

	Control panel: Microprocessor operating with touchpads and LED display; Cooling unit: Direct Cooling; Defrosting: Manual, thermostat controlled; Power requirements: 220-230V, 60 Hz; Features: Built-in door latch for each door, Easy calibration through the control panel, Power failure alarm with non-volatile memory back up, Self-diagnostic system, Re-activating buzzer, lamp and remote alarm contact (30min. after buzzer stops), Standard door lock and independent padlock hasp door latches for extra security, Cooling tubes under every shelf, Direct cooling system for stable temperature control; Includes compatible UPS with AVR, Storage Containers: 6 pcs., (Upper), 4 pcs. (Lower), Data Logger; **Two (2) years warranty on parts and services, 1 time preventive maintenance per year within the warranty period.** After Sales for 10 years.	
	Other requirements for item 1 to 3 1. The suppliers shall supply refrigerators and freezers which fulfills at least ENERGY STAR 5.0 or 4.0 or equivalent certification. 2. The supplier shall ensure that the products do not contain "controlled refrigerants" as defined under the Ozone Layer Protection Regulation 3. The supplier shall ensure that the products are repairable and that replacement parts are available (for minimum of 10 years after the end of production)	

	4. The supplier shall supply the products in recyclable packages **EVIDENCE:** 1. The supplier must provide evidence that these specifications are met. Especially for the requirement concerning ozone depleting substances documentation must be provided. Any appropriate means of proof demonstrating that the criteria are met will be accepted, such as technical dossier from the manufacturer or a test report from a recognized body showing compliance. 2. Documentation proving energy star certification or the equivalent certification must be provided. 3. The supplier shall declare through a written statement that the product being offered is repairable and that replacement parts are available for a minimum of ten (10) years after end of production. 4. Brochure and complete technical specifications **[separate form indicating all the technical specifications but not limited to Brand, Model, Place of Origin, Features, Inclusions, Warranty, and Installation (if applicable)]** of the **item** being offered. 5. Certificate as authorized distributor or exclusive dealer coming from the principal 6. Certificate of training of service engineers/technicians authorized to conduct after sales service issued by the principal supplier/brand being offered	