



July 30, 2019

Bid Bulletin No. 1

Subject: Supply, Delivery and Installation of Various Laboratory Equipment for Crop Biotechnology Center (Group IV) under PB 19-03-20

This bid bulletin is being issued to clarify and/or amend the technical specifications for the Supply, Delivery and Installation of Various Laboratory Equipment for Crop Biotechnology Center (Group IV) as follows:

Revised Technical Specifications:

Attached is the revised technical specifications for the complete details.

Please be guided accordingly.

(Original signed)
AURORA M. CORALES
BAC Vice-Chairperson



Section VII. Revised Technical Specifications for PB 19-03-20

Item	Specification	Statement of Compliance
1.	<p>Supply, Delivery and Installation of One (1) Unit 16.4-L Box Furnace Technical specifications: Capacity: 16.4 L/0.6 Cu. Ft Operating temperature: 100 to 1200°C Temperature control accuracy: ±2°C (at 1200°C) Maximum temperature reaching time: ~60 min Exterior material: Cold rolled steel plate with baked-on melamine resin finish Internal material: Ceramic fiber Sensor: R-thermocouple Heater: Iron-chrome wire or equivalent Heater: 1 kW Cooling fan type: Axial fan motor Temperature controller: PID control by microprocessor Temperature setting/display method: Digital setting by ▲/▼ keys/digital display Overheat protection: Digital setting</p>	<p>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).</p>



	<p>Timer: 1 min to 99 hr 59 min digital setting, auto-start, quick auto-stop Electrical requirement: 220V; 50-60 Hz; 4500W</p> <p>Other features:</p> <ul style="list-style-type: none"> • with deviation correction, power outage compensation, and key lock • with self-diagnosis circuit in case of abnormal temperature sensor, autoheat protection), averheat protector, avercurrent ELB, keylock • Light gauge overbend (LGO) heating elements with Moldatherm insulation for efficient and economical transfer of heat to chamber with low exterior temperatures or equivalent • Variable heat-up rate eliminates thermal shock to materials with quick heat-up and cool down rates • Choice of side hinge or vertical lift door • Air vent and air inlet for inert atmosphere exchange • Self-tuning digital instrumentation for precise temperature setpoint and display • Platinel IIO thermocouple for long-term stability • Main power on/off switch on control panel; control panel designed for easy maintenance access • Safety door switch to interrupt power to heating element and minimizes exposure to end-user • Removable shelves for versatility • 1 two-part shelf included standard • Moldatherm hearthplate supports load and prevents damage due to spillage • With digital, single setpoint controller; overtemperature control <p>Inclusions:</p> <ul style="list-style-type: none"> • 1 unit UPS with built-in AVR (10kVA) • Training on-site for the end-user <p>With 2-years warranty on parts and service and 1-time preventive maintenance within warranty period</p>	
2.	<p>Supply, Delivery and Installation of One (1) Unit Incubator Minimum capacity: 110L or bigger System: Natural convection (Air-jacket system)</p>	



	<p>Temperature Control System: Microprocessor PID system Operating temperature: 5°C above ambient to 80°C. Temperature uniformity: ±1 °C Temperature accuracy: ±0.2 at +37°C Display mode/method: LED Display Operation: Fixed temperature and timer No. of shelves: 2 Outer Door:1 Inner Door: 1 Insulation material: Glass fiber Heater: Nichrome wire heater or better Electrical requirement: 220V, 50/60 Hz Max. load per shelf: 15 kg Type of lamp: LED Lamp Powder coated body or equivalent</p> <p>Other features:</p> <ul style="list-style-type: none"> • Automatic timer with delay function 00:00 -99:59 • With various alarm system (temperature alarm ±2.5 deviation from set temperature) • With buzzer system in case of temperature overshoot • With independent temperature rise prevention system • With key-lock switch • With memory back-up <p>Inclusions:</p> <ul style="list-style-type: none"> • 1 unit of 3KVA or compatible UPS with built-in AVR • 1 data logger system <p>With 2-years warranty on parts and service and 1-time preventive maintenance within warranty period</p>	
3.	<p>Supply, Delivery and Installation of Six (6) Units of 54-L Autoclave Minimum Capacity: 54L or bigger Configuration: Vertical, floor-standing Sterilization temperature 100-140°C Dissolving: 40-99°C Warming: 40-60°C Usable max. pressure: 0.27MPa Sterilization/Dissolving time: 0 min.-48 hr 00 min and continuous, warming: 0min - 48hrs 00 min. Chamber and lid material: Stainless steel, shiny polished, molded silicon rubber lid gasket Outer panel material: Steel with baked melamine finish Top panel material: Heat-resisting molded resin</p>	



	<p>Electrical requirement: 220-240V; 1-phase, 50/60Hz Air exhaust device: temperature (99°...adjustable) sensing, time (3min...adjustable) control and solenoid valve Safety features:</p> <ul style="list-style-type: none"> • With interlock system • Electro mechanical lock system • Double check system of lid closure • Over pressure detector • Sensor break indicator • Over temperature detector • Water lock preventor • Abnormal time indicator • Memory of power failure] • Safety valve, breaker for slight leakage • Over current and short circuit <p>Inclusions (per unit):</p> <ul style="list-style-type: none"> • 2 pcs stainless wire basket (Can be placed together inside the autoclave; with handle) • 1 pcs exhaust bottle • 1 pair autoclave/heat-resistant gloves • 1 unit 10kVA or compatible UPS with built-in AVR <p>With 2-years warranty on parts and service and 1-time preventive maintenance within warranty period</p>	
4.	<p>Supply, Delivery and Installation of Two (2) Units of Drying Oven Technical specifications: Minimum capacity: at least 774L Maximum capacity: 1000L Dimension: Max height of 6 ft. Temperature range: 50 to 250°C or better Adjustable shelves: Yes Mode of heating: Convection Maximum temperature reaching time: ~60 min Circulation mode: forced air circulation Temperature control: Microprocessor control with vacuum fluorescent display Temperature stability: ±0.5°C; Electrical requirements: 220V 50/60Hz</p> <p>Other features:</p> <ul style="list-style-type: none"> • Automatic over-temperature alarm system • Low overall energy consumption • Built in timer 	

	<ul style="list-style-type: none"> • Corrosion-resistant stainless-steel chambers with rounded corners • Large and easy to read vacuum fluorescent display • Easy to use microprocessor-controlled touch button operation • Doors can be opened over 180°C <p>Inclusions:</p> <ul style="list-style-type: none"> • 5 shelves compatible with the unit • 1 unit 3kVA or compatible UPS with built-in AVR <p>With 2-years warranty on parts and service and 1-time preventive maintenance within warranty period</p>	
	<p>EVIDENCE</p> <ul style="list-style-type: none"> • Brochure and complete technical specifications [SEPARATE DOCUMENT (use your company letterhead) indicating ALL the technical specifications you are offering but not limited to Brand, Model, Place of Origin, Features, Inclusions, Warranty, and Installation (if applicable)] of the item being offered. • Certificate as authorized distributor or exclusive dealer coming from the principal. • Certificate of training of service engineers/technicians authorized to conduct after sales service issued by the principal supplier/brand being offered. • The supplier shall declare through a written statement that the product being offered is/are repairable and that replacement parts are available for a minimum of five (5) years for item nos. 1, 2 & 4 and ten (10) years for item no. 3 after end of production. • For all items with “or equivalent”, please indicate the equivalent offer as well as its advantages which must be supported by evidence. 	