

**IB 2021-34A – PROCUREMENT OF VARIOUS  
LABORATORY EQUIPMENT (SECOND INVITATION)**



**SECTION VII-  
TECHNICAL  
SPECIFICATIONS**

## TECHNICAL SPECIFICATIONS

### IB No. 2021-34A PROCUREMENT OF Various Laboratory Equipment (Second Invitation)

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><b>Cold Storage Top Freezer</b>            Technical Specifications:            Top freezer, single door, inverter technology, Nano Deodorizer, LED Lighting, 2-way Fresh Room, Tempered Glass Shelves, High Rotation Speed Compressor, Adjustable Freezer/ refrigerator Room shelves, silent operation (at least 36 dB), extra eco function. At least 6 cu.ft; Rate input: <b>at least 140W</b>; inverter operation; no frost cooling system; automatic defrosting . Includes: industry standard warranty on parts and services, compatible AVR and training on equipment use.</p>	
2	<p><b>Alcohol Distiller</b>            Technical Specifications:            35 Liters capacity, food grade 304 stainless steel, red copper condenser pipe, bucket size: 30cmx50cm, with accessories (100ml graduated cylinder, submersible pump, thermometer, raw material belt, alcohol meter, filter bag, check valve, silicone plug, ferrule, silicone tube, grate bracket and user manual)</p>	
3	<p><b>Wireless Weather System</b>            Technical Specifications:            Components: Sensor Suite and Console  <u><b>Sensor Suite:</b></u>            Operating Temperature: &lt;0° to &gt;65°C; Non-operating Temperature: &lt;0° to &gt;70°C            Current Draw : 0.14 mA (average)            Solar Power Panel : 0.5 Watts, plus 0.75 Watts with Fan-Aspirated  <b>Battery powered</b>            Fan Aspiration Rate            Intake Flow Rate, full sun: <b>80 to190 feet/min. or better</b>            Sensor Chamber Flow Rate: <b>180 to 500 feet/min or</b></p>	

	<p><b>better</b>  Connectors, Sensor : Modular RJ-11; Cable Type : 4-conductor, 26 AWG  Wind Speed Sensor: Solid state magnetic sensor  Wind Direction Sensor : Wind vane with potentiometer  Rain Collector Type: Tipping spoon  Temperature Sensor Type: PN Junction Silicon Diode  Relative Humidity Sensor Type : Film capacitor element  With UV sensor and solar radiation sensor  Housing Material: UV-resistant ABS, polypropylene</p> <p><b><u>Console:</u></b>  Operating Temp.: <b>0° to &gt;60°C or better</b>; Current Draw : <b>0.9 mA to 30 mA or better</b>  AC Power Adapter : 5 VDC, 1000 mA, regulated; Battery type: 3C cells; Connectors : Modular RJ-11  Housing Material : UV-resistant ABS plastic; Console Display Type : LCD  Display Backlight : LED; Weight (with batteries) : <b>&lt; 1kg</b></p> <p>Data Displayed on Console:  General data, Barometric Pressure, Clock, Dewpoint, Forecast, Heat Index, Humidity, Moon Phase, Rainfall, Rain Rate, Rain Rate, Solar Radiation, Sunrise and Sunset, Temperature, Temperature Humidity Sun Wind Index, Ultra Violet (UV) Radiation Dose, Ultra Violet (UV) Radiation Index, Wind Chill, Direction and Speed.  Inclusions: Complementary software for accessing, storing and managing data to computer, Windows supported</p>	
4	<p><b>Coffee/ Grain Grinder</b>  Technical Specifications:  Heavy Duty; Food Grade Stainless Body and Hopper/Funnel; Rotating and Static disc: cast iron  Coarse and Fine regulating valve; Lock door screw;  Speed: 1,420 rpm; Yield: 20-40 kg/h  Output Grind/Powder size: Min. No.50 mesh, Max: No. 200 mesh  Dimensions: 530 x 230 x 510 mm;  Weight: 38kg (approx.)  Voltage: 220V; Power: 1.1 KW; With warranty</p>	
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*Name of Bidder over Printed Name*

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*Date*