

**Previous quotation call notice has canceled. This is the revised call for quotation of laboratory equipment.**



**M. S. SWAMINATHAN RESEARCH FOUNDATION,  
JEYPORE, KORAPUT**

**MJ/DST-STI-Hub (01) 21 –353**

**Date: 16 August 2021**

**QUOTATION CALL NOTICE FOR PURCHASE OF “LABORATORY EQUIPMENT”**

Sealed quotations are invited from intending reputed Agency/Company/Stockiest/ Supplier of the following laboratory equipment for use of the laboratory. The firm will be delivered and installed the equipment at M. S. Swaminathan Research Foundation, Phulbad, Umuri, Jeypore, Koraput, Odisha. The rate will be valid for 6 months procurement will be made from the supplier who is quoted lowest rate. All the quotation mentioning with PAN and GST registration number should reach the undersigned on or before **6<sup>th</sup> September 2021 by 4.00 pm.** through registered/ speed post only. The sealed cover should be super scribed as “Quotation for Laboratory Equipment”.

Quotation received after the stipulated period will not be accepted. Quotation will be opened on **8<sup>th</sup> September 2021 at 4.30 pm.** either online or offline in the presence of bidder / its representatives or virtually at the chamber of the Director, MSSRF, Jeypore. The specification of the equipments should be mentioned clearly, otherwise the quotation will not consider for bidding. Indent will be issue to the lowest quoted firm/s.

<b>Sl. No.</b>	<b>Particulars of Equipment/ instruments</b>	<b>Specification</b>	<b>Per unit cost including GST after considering the DSIR certificate</b>
1.	GPS	Gramin Etrex – 10 Pre loaded handheld software, compactible office software, base map, inbuilt electronic compass, paperless Geocatching, RAM 1GB, Display 2 – 2.5 Inch, resolution 128x160 Pixles.	

2.	Autoclave (Vertical)	<p>Size: 600 x 450mm (24" x 18") (100 Lts) with automatic adjustable working pressure system, double walled, inside boiler made of Stainless steel &amp; outside mild steel finished in cream enamel. Provided with on/off switch, pressure control switch, pressure gauge, steam release valve &amp; indicators to show the working of mains &amp; pressure control system. Electrically operated on 220 volts A/C. WITH STAINLESS STEEL BASKET. Microprocessor based Digital Temperature indicator cum controller with inbuilt timer &amp; alarm system</p>	
3.	Balance – Physical	<p>Physical_ Electronic Load Cell Based Technology with External Calibration &amp; Rechargeable Battery, Warranty 2 years Capacity 300 g – 0.01 g Pan Size 120 mm</p>	
4.	BOD Incubator	<p>(Low temperature Incubator Deluxe Automatic): Temperature range varies from 5°C to 60°C adjustable at any desired point by means of a high precision double relay digital temperature indicator cum controller. Two air circulating fans have been provided to keep the temperature uniform inside the chamber; inner chamber is fabricated from thick anodized aluminium/stainless steel sheet and outer body mild steel sprayed in beautiful white stove enamel finish. Complete with automatic internal light, built in thermometer, indicating lamps &amp; anodized aluminium/stainless steel shelves. Complete unit mounted on castor wheels to work on 220 volts A/C. Automatic: 865 x 565 x 550 mm</p>	

5.	Weighing machine	(Digital) Table Top Scales Capacity 30 Kg – 1 g Pan Size 300 x 240 mm	
6.	Hot air oven	<p>Inside made of pure aluminium anodized/stainless steel sheet &amp; outside mild steel finished in durable oven baked white enamel with pure glass wool insulation between the walls. Covered heaters are placed under ribs at the bottom and sides to give equal and uniform distribution of heat.</p> <p>Temperature is controlled by sensitive bimetal thermostat, upto 250°C, with an accuracy of +1°C. Provided with built in thermometer, 3 heat switch, pilot lamps to work on 220 volts A/C. 600 X 900 X 600 mm</p> <p>Air circulating fan can be fitted.</p> <p>Electronic Digital Temperature Indicator cum controller can be provided</p>	
7.	Laminar flow chamber- bio safety cabinet	<p>Direction of flow : Vertical Front door transparent, vertical sliding. Ultra violet lamp: 30 watt. Velocity : 100 fpm <math>\pm</math>20% Noise level :65 db A + 5% Power supply: 220 V single phase ,50 Hz. Working table : Made of perforated stainless steel sheet satin finished . HEPA Filter: particle retention 0.3 micron; efficiency -999.97% pressure drop 23mm WG,(appx). Blower assembly. Exhaust assembly. Made of fully body made of Stainless Steel 304 Grade. Fluorescent tube illumination with diffusers-2 nos. Standard accessories: Pressure manometer, additional power</p>	

		point, gas inlet nozzle, floor leveling, screw and wire cord & virus burn out/germicidal U.V. tube in exhaust unit. Hepa filters, indicating lamps on/off switches, Working area 3'x 2'x 2	
8.	Microscope	<p>Compensation free Trinocular Head inclined at 45°C,  Interpupillary distance:55-75 mm  Eye piece (Ocular): 10X (paired), field of view: 20 mm  Achromatic objective: 4X,10 X, 40X, 100X  Quadruple nose piece with positive click stops moving on balls  Co-axialcoarse and fine focusing system, sensitivity and graduation of fine focus:0.004mm-24mm  Halogen lamp 6V, 20 W or LED Lamp 3 W  1600X1200 (2.0 MP) camera, image sensor: sony 1/2" CMS  LED Screen of 9.5" TFT(all functions can be controlled), USB support LED TFT screen, S-video output for connect to external monitor.</p>	
9.	Refrigerator	190 -200 liters, 3 star approx 150 to 200 Watts	
10.	pH meter	<p>pH Rang 0.0 to 14.0 pH, resolution 0.1 pH, accuracy <math>\pm 0.1</math> pH calibration automatic, one or two points pH temperature compensation automatic, 0 to 50 °C (32 to 122°F), Temperature Range 0 to 50 °C (32.0 to 122.0oF), Temperature Resolution 0.1 °C / 0.1 °F, Temperature accuracy <math>\pm 0.5</math> °C / <math>\pm 1.0</math> °F, Automatic Shut-Off 8 minutes, 60 minutes, or disabled, Battery Type/Life CR2032 3V Li-Ion (1 pc.) /approximately 800 hours of use,</p>	

		Environment 0 to 50°C (32 to 122°F); RH max 100%, dimensions 160 x 40 x 17 mm (6.3 x 1.6 x 0.7"), weight 65 g (2.3 oz.) without battery. The pH meter is supplied with protective cap, pH 4.01 buffer sachet, pH 7.01 buffer sachet (2), electrode cleaning sachet, CR2032 battery, instrument quality certificate and instructional manual.	
11.	Micro wave oven	Capacity 28 liter Convection 1400 Watts	
12.	Rotary shaker with temperature control	Oscillating tray to hold flasks of different sizes, shaking speed can be controlled mechanically from 60 to 200 orbits per minute. Inside chamber of aluminum / Stainless steel size 18"x 18" x 18" temp. Range 5°C above room temp. to 60°C ± 0.5°C. Temperature controlled by Digital temperature Indicator cum controller with PT-100 sensor, and digital RPM meter with RPM Regulator for 16 Flasks 250 – 1000 ml	
13.	Storage rack	Stainless steel with wheel; 5-6 shelves; capacity 50-100kg	
14.	Mixie (Grinder)	Power 750 W; Voltage 230 V; Motor rating 30 minute(s); Capacity chutney jar 0.5 L Capacity wet grinding jar 1.5 L Capacity multi-purpose jar; 1.25 L Blender volume capacity liquid 1.5 L, with no heating effect.	
15.	Final product sieves (stainless steel)	Type of mesh: Stainless steel plate fitted with bezels or test sieves Diameter: 8 inch Height: 2 inch SS mesh set of 4	
16.	Trolley	No. of wheel-4 Load capacity- 50-100 kg	

		Max height 4ft Four to five shelves Corrosion resistant Cart size 2ftx4ft	
17.	Poly bag sealer (semi automatic)	Heat sealing press type electrically operated	
18.	Fire extinguisher	CO <sub>2</sub> type Fire Extinguisher of 4.5Kgs. Capacity, made from brand new seamless cylinder, as per IS: 7285 and CCE approved, fitted with hose and horn and Squeeze Grip Valve with initial Charge of CO <sub>2</sub> Gas conforming to IS 15222 and Extinguisher as per BIS:15683:2006 specification with ISI Mark along with mounting Bracket and PESO certificate for cylinders.	

**NB:** Authority reserves the right to accept or reject any or all tender without assigning any reason thereof.

Sd/-  
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