

University of Mumbai



SINDHU SWADHYAY SANSTHA

(School of Integrated Aquatic Education)

(Est.- 5th September 2014)

1st Floor, Health Centre Building, Vidyanagari, Kalina, Santacruz (E), Mumbai - 400 098.

Advt. No. SSS/1/of 2022

Date:17th February 2022

Individually (per equipment/instrument) wax sealed quotations are invited for the supply of following equipments/instruments enclosed herewith.

Sr. No.	Name of Instrument	Specifications	Quantity to be ordered
1	Horizontal Electrophoresis Unit	1. Gel Size: 7X10cm 2. Ready to use System 3. For DNA and Protein Separation 4. UV transparent Tray 5. Comb: 1.5mm,PMMA,10 Wells	01
2	Vertical Electrophoresis Unit	1. No. of gels: 2 2. Cassette size: 9-10 x 8-9cm 3. Glass plate size: Short plate : 10-11 x 7-8 cm Spacer plate: 10-10.5 x 8-9 cm 4. Total buffer volume: up to 1000 ml 5. No. of wells: 10 to 15 6. fully adjustable time control 7. Output Range:10 to 300 volts & 4 to 400 mA 8. It Should be supplied with combs (various sizes), glass plates, 9. Casting stands, casting frames, sample loading guide, electrode assembly, tank, lid with power cables, buffer dam	02
3	Refrigerator	1. Capacity :192 L	01

		2. With Twin Cooling Freezer 3. Auto Defrost, Double Door, 4. Digital Inverter Technology	
4	Vertical Deep Freezer	1. Capacity : 150-200 L 2.Temp.: -20°C	01
5	Colorimeter	1.Eight Filters on a turret to cover 400 to 700 nm 2. Sample Volume: 1 ml to 4ml 3. % T and Abs.(OD) 4. Readout: 3 Digit LED Display 5. Power: 230 Volts, 50 Hz.	01
6	Microcentrifuge	1. Dimensions :230 X 262 X 131 mm 2. Speed Range: 100 to 15000 rpm 3. No. of Rotor : 10 to 12 closed rotor with safety lid 4. Imbalance detection 5. Tube Capacity: 1.5 to 2 ml Microtubes	01
7	UPS	Capacity: 5kVA	01
8	Vortex Mixture	1. Dimensions : 14X16X12 cm 2. Speed Range : 0 to 2500 rpm 3. Operating Modes: Touch or Continuous 4. Shaking Movement: Orbital 5. Motor Type: Shaded-Pole Motor	01
9	Magnetic Stirrer	1. Speed Range: 50 to 2500 rpm 2. with LCD display 3. Max. Stirring quantity: up to 1000 ml	01
10	Rotary Shaker	1. Platform: Adjustable Stainless Steel Platform 2. Flask Holders: Spring type clamp arrangement with easy interchangeability facility,10 to 12 flasks 3. Motor: PMDC motor 4. Shaking assembly with Eccentric pulley mechanism	01

11	Water bath	1. Dimensions : 320 X 300 X150 mm 2. Shape : Rectangular 3. Capacity: 6 to 10 flasks 4. Inner Chamber : Stainless steel 5. Temp. Range: Ambient +55°C to 99°C 6. Double walled chamber 7. Power supply : 200 to 250 volts	01
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Please note the sealed quotation would be inclusive or exclusive of all the taxes, if applicable and super scribed "Quotation for the Supply of Scientific Equipments/Instruments" should be posted to the undersigned on/before 24th February 2022.

I/c Director,
Sindhu Swadhyay Sanstha,
CEMAS,
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Sr. No.	Name of Equipment	Specifications	Quantity to be ordered
1	Bacteriological Incubator	1. Size: 18" X18"X24" 2. Ambient Temp. Range : Ambient +5°C to 60°C 3. Temperature accuracy: $\pm 0.2^{\circ}\text{C}$ @37°C 4. No. of Shelves: 2-4 5. Power supply: 220 Volts	01
2	Hot Air Oven	1. Volume: 95 L 2. Load: up to 2 kw 3. No. of Shelves: 2 (Removable) 4. Temp. Range: 5°C above ambient to 250°C maximum 5. Temp. Display: LED Display 6. with forced air circulation	01
3	Vertical Autoclave	1. Capacity : 98 L 2. Dimensions : 450 x 600mm 3. Power Consumption: 6 Kw 4. Temp. Range : +121°C to +125°C 5. Operating Pressure Range : 1.2 - 2.1 kg / cm ² with Digital display	01
4	pH meter	1. Working Range: 0 to 14 pH	02

		<p>2. Temp. Compensation : Auto + Manual , 0 to 100°C</p> <p>3. Accuracy: +0.01 pH, +1 mV</p> <p>4. Automatic Calibration Facility</p> <p>5. Resolution : 0.1/0.01 pH</p> <p>6. With Reference Electrode, Temp. probe, Electrode stand, Buffer solution</p>	
5	Water bath	<p>1. Dimensions : 320 X 300 X150 mm</p> <p>2. Shape : Rectangular</p> <p>3. Capacity: 6 to 10 flasks</p> <p>4. Inner Chamber : Stainless steel</p> <p>5. Temp. Range: Ambient +55°C to 99°C</p> <p>6. Double walled chamber</p> <p>7. Power supply : 200 to 250 volts</p>	01
6	Power supply for Electrophoresis	<p>1. Input Voltage : 230 Volts</p> <p>2. Output Voltage : 0 to 300 Volts</p> <p>3. Output Current : 80 to120 mA</p> <p>4. No. of output : 2</p>	01
7	Centrifuge	<p>1.Dimensions: 330 X 370 X 295 mm</p> <p>2. Microprocessor Controller with Digital Display</p> <p>3. Fixed Angle Rotor</p> <p>4. Tube Capacity: 15 ml</p> <p>5. Tube Type: Falcon</p> <p>6. No. of Tubes: 6</p> <p>7. Without Refrigeration</p> <p>8. Digital Timer Range: 0 to 60 min.</p> <p>9.Speed Range: 100 to 5000 rpm</p>	01
8	Monocular Compound Microscope	<p>1.Ocular Magnification - 5X & 10X</p> <p>2.Objective Magnification – 10X, 40X & 100X</p> <p>3. Condenser fixed</p> <p>Separate Coarse and fine adjustments, Light Source</p> <p>Plano-concave mirror</p>	10
9	Dissecting Microscope	Magnification :- 10X & 20X	10

10	Microtome	<ol style="list-style-type: none"> 1. Manual Rotary 2. Section Thickness Setting : 0 to 60 μm 3. Trimming Setting: 10 μm & 30 μm 4. Max specimen size: 60 \times 50 \times 40 mm 5. Specimen retraction: about 60μm 6. Operate by manually rotating rough-feeding hand wheel. 	01
11	UV Trans-illuminator with accessories	<ol style="list-style-type: none"> 1. Light Source: UV 2. Wavelength Range: 300 to 360 nm 3. Power: 60 to 65 Watt 	01

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