



PACHHUNGA UNIVERSITY COLLEGE
(A CONSTITUENT COLLEGE OF MIZORAM UNIVERSITY, GOVT. OF INDIA)
DEPARTMENT OF BIOTECHNOLOGY
AIZAWL - 796001; MIZORAM, INDIA
(NAAC A+ Institute, UGC- College with Potential for excellence)
Contact: +91 8838239023/9972533967
Email: jayasekhar.punuri@gmail.com, punuribabu@pucollege.edu.in
Webpage: <https://sites.google.com/site/drpunurib777/home>



Date: 01.08.2022

No. PUC/ BIOTECH/PJB-03/UGC/2022/Equip.01

E/Tender Notification

Department of Biotechnology, Pachhunga University college (A Constituent College of Mizoram University) invites the sealed quotation from reputed companies and supply agencies for procurement of Following Instruments and Equipments. The interested company/ suppliers/ agencies may submit their technical and financial bid documents in the prescribed format in a separate sealed cover.

Last Date: 25.08.2022, 5PM

Soft copies Quotation's bid should be sent to


punuri.iitg@gmail.com

Hard copy of the Quotation's bid should be sent to

Principal
Pachhunga University College Campus
Constituent College of Mizoram University (A Central University)
Aizawl- 796001, Mizoram, India.

And copy to

Dr. Punuri Jayasekhar Babu
Assistant Professor
Dept. of Biotechnology
Pachhunga University College Campus
Constituent College of Mizoram University (A Central University)
Aizawl- 796001, Mizoram, India.


Dr. P. JAYASEKHAR BABU
Assistant Professor
Dept. of Biotechnology
Pachhunga University College
Aizawl - 796001, Mizoram, India



Principal
Pachhunga University College
Aizawl, Mizoram



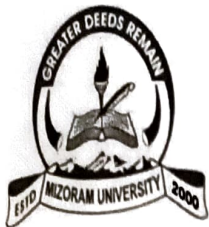
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Technical specifications of the equipment as follows

S.No	Name of the Instrument/Equipment	Specifications/Model no	QTY	Remark																																
1	Water Bath	<table border="1"> <tr> <td>Model</td> <td>BST/RWB-68</td> </tr> <tr> <td>Construction</td> <td>Single Walled</td> </tr> <tr> <td>Capacity</td> <td>8 Liters</td> </tr> <tr> <td>Chamber Dimensions</td> <td>300 x 250 x 100 mm</td> </tr> <tr> <td>No. of holes</td> <td>6</td> </tr> <tr> <td>Holes Dia.</td> <td>75 mm</td> </tr> <tr> <td>Temperature range</td> <td>5°C above ambient to 100°C</td> </tr> <tr> <td>Temperature Sensitivity</td> <td>±0.5°C or better</td> </tr> <tr> <td>Temperature Sensor</td> <td>PT-100</td> </tr> <tr> <td>Temperature Accuracy</td> <td>+5°C</td> </tr> <tr> <td>Material of Construction</td> <td>- Inner chamber and lid - Stainless Steel (SS-304 grade) - Outer chamber - Mild Steel duly powder coated - Special grade mineral wool</td> </tr> <tr> <td>Heating</td> <td>Immersion heaters (Kanthal brand)</td> </tr> <tr> <td>Control panel</td> <td>- On/off switch - Heating and mains indicators - Thermostatic temperature controller</td> </tr> <tr> <td>Power</td> <td>220 V / 50 Hz</td> </tr> </table>	Model	BST/RWB-68	Construction	Single Walled	Capacity	8 Liters	Chamber Dimensions	300 x 250 x 100 mm	No. of holes	6	Holes Dia.	75 mm	Temperature range	5°C above ambient to 100°C	Temperature Sensitivity	±0.5°C or better	Temperature Sensor	PT-100	Temperature Accuracy	+5°C	Material of Construction	- Inner chamber and lid - Stainless Steel (SS-304 grade) - Outer chamber - Mild Steel duly powder coated - Special grade mineral wool	Heating	Immersion heaters (Kanthal brand)	Control panel	- On/off switch - Heating and mains indicators - Thermostatic temperature controller	Power	220 V / 50 Hz	1					
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2	Magnetic Stirrer hot plate	<table border="1"> <tr> <td>Model</td> <td>SK4-465</td> </tr> <tr> <td>Voltage</td> <td>110-120V/220-230V,50/60Hz</td> </tr> <tr> <td>Power</td> <td>60W</td> </tr> <tr> <td>Mixing motion</td> <td>Orbital</td> </tr> <tr> <td>Orbital diameter</td> <td>4mm</td> </tr> <tr> <td>Motor type</td> <td>Shaded pole motor</td> </tr> <tr> <td>Motor rating input</td> <td>58W</td> </tr> <tr> <td>Motor rating output</td> <td>10W</td> </tr> <tr> <td>Speed range</td> <td>100-3000rpm</td> </tr> <tr> <td>Speed display</td> <td>Scale</td> </tr> <tr> <td>Run type</td> <td>Touch operation/Continuous</td> </tr> <tr> <td>Dimension[W×H×D]</td> <td>127×130×160mm</td> </tr> <tr> <td>Weight</td> <td>3.5kg</td> </tr> <tr> <td>Permissible ambient temperature</td> <td>5-40 °C</td> </tr> <tr> <td>Permissible relative humidity</td> <td>80%RH</td> </tr> <tr> <td>Protection class</td> <td>IP21</td> </tr> </table>	Model	SK4-465	Voltage	110-120V/220-230V,50/60Hz	Power	60W	Mixing motion	Orbital	Orbital diameter	4mm	Motor type	Shaded pole motor	Motor rating input	58W	Motor rating output	10W	Speed range	100-3000rpm	Speed display	Scale	Run type	Touch operation/Continuous	Dimension[W×H×D]	127×130×160mm	Weight	3.5kg	Permissible ambient temperature	5-40 °C	Permissible relative humidity	80%RH	Protection class	IP21		
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3	Balance (Mg Level)	<p>SF-400C Sales Package 1 pc Weighing Scale + 2 AA Battery Model Name SF 400C Jewellery Weighing Scale - 500 gm Accuracy Model Number SF 400 C Color White Display DIGITAL LCD DISPLAY Display Size 3 Other Display Features 5 DIGITS LED DISPLAY, DIGITAL DISPLAY WITH GREEN LIGHT FOR EASY USE IN DAY/NIGHT, AUTO Powered By BATTERIES AND ADAPTOR Battery Type AAA Number of Batteries 3 Low Battery Indicator Yes Other Power Features LONG BATTERY LIFE, LESS POWER CONSUMPTION, LOW BATTERY INDICATOR Other Features SF-400 C WEIGHING SCALE CAN BE USED IN HIGH PRECISION WEIGHT SUCH AS: GOLD DIAMOND,SILVER, GEMSTONESS, MEDICINES ETC.</p>		
4	Vortex mixer	<p>REMI/Diab</p> <ul style="list-style-type: none"> • Continuous Heavy duty A/C stirrer with 1/4 HP Brushless, High Torque Variable Speed Motor with Hollow Shaft & propeller of SS 316, chuck, having facility of presetting & indication of speed. • Stirring Fluid :- WATER/LIGHT OIL, Stirling Shaft Dia • Stirring Capacity (Ltrs.) :- 40 LTRS • Impeller :- RADIAL TURBINE 		
5	pH Meter	<ul style="list-style-type: none"> • Large backlit LCD display shows mode indicators and help messages. • Up to 3 points push-button calibration with auto-buffer recognition. • Selectable pH buffer standards and temperature units. • Automatically calculates and displays electrode slope after calibration. • Automatic Temperature Compensation (ATC) ensures highly accurate measurements over the entire range. 		


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		<ul style="list-style-type: none">• Automatic endpoint function freezes the stable measured values• Help message as a operational guide to helps you understand how to use meter.• Setup menu lets user customizes buffer standards, calibration points, temperature units, automatic or manual hold function, auto-off feature to meet personal preferences.• Reset function can resumes all settings to factory default values		
6	Table Top centrifuge	Size Brand Speed Type Model Number	380x460x305 REMI 6000RPM BENCHTOP R&C, R81	
7	Cryo can (Tentative)	Stainless steel 10 L		
8	Pipette set (Tentative)	Tarson (All ranges)		
9	UV Transilluminator (Tentative)	Remi/Hero Lab/ Any standard Model		
10	Analytical Balance (Tentative)	Any standard Model		
11	Ultrasonic Probe sonicator (Tentative)	Any standard Model/ S Clean		
12	Shaker Incubator (Tentative)	MRC Laboratory/ Any standard model		
13	Hot air oven(Tentative)	RMRC Laboratory/ Any standard model		




Principal Head of the Institute

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