



# **CENTRAL UNIVERSITY OF SOUTH BIHAR**

SH-7, Gaya- Panchanpur Road, Village- Karhara, Post- Fatehpur,  
P.S- Tekari, District- Gaya (Bihar) PIN- 824 236

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## **NOTICE INVITING TENDER**

### **Supply of Laboratory Equipment for Department of Life Science**

Central University of South Bihar Gaya invites proposals for Gaya Campus for **Supply of Lab Equipment for Department of Life Science** as per details mentioned below (**Annexure-A**) from the reputed Manufacturer/ Distributor/ Reseller/ Service Provider/ Stockiest/ Indian Agency. You are requested to kindly send the quotations/ proposals latest by **05/12/2025 till 4:00 PM** to the below mentioned address **by registered post / speed post /in drop box (Tender Box)**:

**To,**

**The Registrar (Tender Document)  
Central University of South Bihar  
SH-7, Gaya- Panchanpur Road,  
Village- Karhara, Post- Fatehpur,  
P.S- Tekari, District- Gaya (Bihar)  
PIN- 824 236**

**Email- registrar@cub.ac.in**

**Website- www.cusb.ac.in**

**Contact – 0631-2229519**

**CPP Portal web site:**

**[www.eprocure.gov.in/epublish/app/epublish/app](http://www.eprocure.gov.in/epublish/app/epublish/app)**



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## Index for Tender Form

Sl. No.	Details	:	Deadline
1.	Tender Notice No.	:	CUSB/PSD/LS/EQUIP/T/20/2025-26 Date: 14/11/2025
2.	Name of work	:	Supply of Lab Equipment for Department of Life Science
3.	Tender Fee	:	<b>Rs. 500/-</b> in shape of DD
4.	Estimated Cost	:	<b>21,00,000/-</b>
5.	Earnest Money Deposit	:	<b>Rs. 1,00,000/-</b> in shape of DD in favour of <b>Central University of South Bihar</b> payable at <b>GAYA</b> .
6.	Start of submission of Bids	:	14/11/2025
7.	Last date and time for receipt of Bids	:	05/12/2025 by 4:00 PM
8.	Place of opening of Bids	:	CUSB Panchanpur, Gaya
	Time allowed for completion of delivery and installation	:	8 weeks after issue of Purchase Order

**Note:** Prospective bidder may visit the site to understand the location, surroundings, terrain and specifications/requirement before submission of bid.

### Financial:

The firms should have an average annual financial turnover of at least of Rs. 50 Lakhs during the preceding last 3 (three) consecutive financial year from 2023-24.

### Physical:

The firms should have submit at least three copy of orders related to supply of lab equipment out of those, one must be value of at least 10 lakhs issued in last three years as proof of experience.

**Price Bid:** The bidder has to quote the rate in ‘**Financial Bid Proforma**’ as per the item list given in **Annexure-A** in a separate sealed envelope stating ‘*Financial Bid Document*’ along with *Tender Number* kept in Main Envelope. The rate quoted should be inclusive of all taxes, packing, labour charges, freight charges etc. in figure as well as in words for total amount. The University reserves the right to cancel the tender, if any false information is furnished.

### **Tender Documents should be kept in these forms**

<b>Envelop -A</b>	EMD & Tender Fee / MSME Certificate
<b>Envelop-B</b>	Technical bid with all requisite certified documents and credentials along with un-filled (blank) financial bid.
<b>Envelop-C</b>	Financial Bid Document.



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## Terms & Conditions

1. Bid/ Quotation will be sent by courier/ registered post/ speed post/ by hand (to be submitted in Tender Box) and will not be accepted after last date of submission.
2. The relevant papers in regards to eligibility criteria along with Tender Fee/EMD should be in sealed envelope. Bidders should clearly mention NIT reference on envelop CUSB/PSD/LS/EQUIP/T/20/2025-26, Date: 14/11/2025. EMD in shape of Demand Draft of **Rs. 1,00,000/-** should be in favour of “Central University of South Bihar” Payable at Gaya.
3. The rate offered should be quoted **F.O.R CUSB Gaya Campus**.
4. Quoted amount should be inclusive of all and no extra charges shall be paid over that if once order is placed.
5. The firms are requested to give detailed description and specification together with detailed drawings and printed leaflets and literature of the articles quoted.
6. Quotation should have validity of at least 90 days from the date of opening.
7. The right to reject all or any of the quotations and to split up the requirements or relax any or all of the above conditions without assigning any reason is reserved to the Competent Authority of University.
8. **On submission of MSME/Other relevant Govt. Documents as per GFR norms, EMD shall be exempted. But Tender Fee is to be submitted anyhow.**
9. **Splitting is allowed for this tender. Tenderer shall quote for one or all equipment and L-1 shall be decided on lowest quoted price of the each equipment.**
10. **WARRANTY :** Equipment supplied should not be obsolete /used/old stock but should be of requisite specification/make with standard warranty but not less than **one year**.
11. **Delivery period :** for supply of material within **8 weeks**, F.O.R. CUSB Gaya from the date of issuance of Purchase Order.
12. **PENALTY :** The penalty @ 1% per week subject to a maximum of 10% of the delayed delivery price will be deducted from the balance payment if supply is not completed within stipulated period.
13. **Payment Terms :** Our standard payment terms & condition is 100% against delivery and successful satisfactory report by concerned section/ department.
14. **Security Deposit / Performance Bank Guarantee :** 10% equivalent to invoice value shall be kept as Security Money to be submitted in form of DD/BF/FDR for a period beyond 60 days of warranty of the items.
15. Unless otherwise stated delivery of goods at **CUSB Gaya Campus** as per conditions as specified in Purchase Order.
16. Copies of GST registration certificate of the firm, with the TIN number clearly indicated therein will have to accompany the quotation to be submitted.



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17. Compliance sheet about the specification asked must be enclosed with the proposal.
18. The bidders to submit the signed copy of tender document with the proposal.
19. EMD of unsuccessful bidders shall be refunded once order is placed but the same of Successful bidder shall be refunded after completion of one year period.
20. The quotations are liable to be rejected if the fore going conditions are not complied with. Printed conditions of the firm, if any, will not be binding on us. Late and delayed tender will not be considered.
21. All disputes are subject to exclusive jurisdiction of Competent Court and Forum in Gaya, India only.
22. CUSB reserves the right to cancel the tender at any stage.

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## CHECKLIST

We hereby declare that the following requirements have been fulfilled by us –

Sl. No.	Particulars	Page Number
<b>ENVELOPE-‘A’</b>		
1	Tender Fee <b>Rs. 500/-</b> in form of Demand Draft in favour of “Central University of South Bihar”, Payable at Gaya.	
2	Earnest Money Deposit (EMD) of <b>Rs. 1,00,000/-</b> in form of Demand Draft/Bank Guarantee/FDR in favour of “Central University of South Bihar”, Payable at Gaya.	
3	MSME / OTHERS for waive off the EMD, if registered	
<b>ENVELOPE-‘B’</b>		
4	Copy of PAN Card	
5	Copy of GST No.	
6	Copy of ITR of the last three years.	
7	Audited Balance Sheet of last 03 years, if applicable	
8	Documentary evidence for the turnover of last financial year with compliance to Financial Eligibility Criteria	
9	Experience certificate of job in related areas and copy of Purchase Order be attached with the tender document with compliance to Physical Eligibility Criteria	
10	Any Product Manual	
11	Certificate related to one year warranty of supplied Items	
12	Copy of Memorandum and Article of Association, Certificate of Incorporation, Partnership Deed, Registration Certificate issued by the Registrar of Firms etc.	
13	ISO Certificate	
14	Non-Blacklisting Certificate	
15	Every page of the tender documents and the enclosed copies of the certificates must be signed with seal.	
<b>ENVELOPE-‘C’</b>		
16	Duly filled in ‘PRICE BID PROFORMA’ in separate envelope kept in Main Envelope	*



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## TECHNICAL BID PROFORMA

<b>NIT No. :</b>	CUSB/PSD/LS/EQUIP/T/20/2025-26, Date: 14/11/2025	
<b>Subject :</b>	Supply of Lab Equipment Department of Life Science	
<b>1.</b>	Name of the Organization/Firm	
<b>2.</b>	Head Office / Registered Office	
	Telephone No/mobile No.	
	Fax No.	
	Email	
	Web site (if any)	
	Date of Establishment	
	Branch Office in Gaya , if any	
	(Provide Complete Address)	
	Telephone No.	
	Fax No./Email	
<b>3.</b>	Name of Director / Chief Executive/ Proprietor / Partners with Designation	
	Telephone No./Mobile No.	
	Fax No./ Email	
<b>4.</b>	Name of Contact Person	
	Telephone No./Mobile No	
	Fax No./Email	
<b>5.</b>	<b>Type of Organization</b>	<b>Certified Documents to be enclosed</b>
<b>a.</b>	Proprietary	Trade License
<b>b.</b>	Partnership	Partnership Deed, Trade License
<b>c.</b>	Private Limited Company	Memorandum of Article
<b>d.</b>	Public Limited Company	Certificate of Registration
<b>e.</b>	Public Sector	Trade License



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<b>6. Nature of Business (tick the relevant)</b>					
Manufacturing		Service		Dealership	
Stockiest		Indian Agent		Indian Branch Office	
Others Pl. Specify					
<b>7. Class / Type of Product / Materials Manufactured / Sold / Serviced/ Fabricated</b>					
Scientific Equipment		Electronics		Lab Consumables & Chemicals	
Electrical Items		Computer Peripherals		Computers	
Laboratory Equipments		Office Automation Product		Electrical Works	
Sport Materials		Water Coolers		Air-conditioners	
AV Equipments		Boards		Other, please specify.....	
<b>Audited Annual Turnover during last 3 years (Rs. In Lakhs) (enclose Chartered Accountant's certification &amp; Income Tax Return Copy)</b>					
<b>Year</b>		<b>Rupees (in Lakhs)</b>		<b>Annexure (Number)</b>	
2023-24					
2022-23					
2021-22					
<b>8. Commercial Information (enclose Attested Copy wherever Applicable)</b>					
<b>Sl. No.</b>	<b>Information</b>	<b>Details</b>		<b>Annexure (Number)</b>	
a.	GST Registration Number				
b.	Excise Registration Number Trade / Factory License Number				
c.	PAN No.				
d.	Details of Registration				



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	Certificate with DGS&D/NCCF			
e.	SSI/NSIC/MSME Certificate			
f.	Current dealership agreement with Principal Letter No. / Date / Valid upto			
g.	Relevant IISI/ SO Certificate, if any			
h.	<u>Bank Details :</u> Account No.			
i.	Name of Bank & Branch			
j.	IFSC Code			
k.	Details of Tender Fee	Amount:	DD No. & Date	Name of the issuing Bank & Branch
l.	Details of EMD	Amount:	DD No. & Date	Name of the issuing Bank & Branch
m.	Details of Previous Supply in Govt. Organisations/ Govt. Educational Institutions	Name of the organization	Item Supplied / Qty.	Total Value (Rs in lakhs)



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<b>9.</b>	MSME Entrepreneur	Comment				
<b>9.1.</b>	Is the bidder MSME Entrepreneur	Y/N				
<b>9.2.</b>	If yes, the category (GEN/OBC/SC/ST/Women)	GEN	OBC	SC	ST	WOMEN
I/ We hereby give an undertaking that the information provided are true to the best of my knowledge and belief. If anything found to be false at any stage my tender will be liable to be rejected and EMD amount will be forfeited.						
<b>Signature of authorized representative:</b> .....						
<b>Date:</b> .....						
<b>10.</b>	<b>Note</b>					
<b>10.1.</b>	Separate information sheet may be provided for item (s) in case space provided is not adequate.					
<b>10.2.</b>	Affidavit on Non Judicial stamp paper duly attested by Magistrate/Notary shall also be furnished by the bidder regarding Non-blacklisting.					



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## VENDOR DETAILS FORM

1.	<b>Do you have a PFMS Unique ID (please tick)</b>	NO	YES	UID No.-
2.	<b>Name of the Firm</b>			
3.	<b>Address with City Name &amp; Pin Code</b>			
4.	<b>Contact No.</b>			
5.	<b>Email ID</b>			
6.	<b>GST No. ( Yes / No )</b>	<b>GST No. -</b>		
		<b>If YES, a copy of GST CERTIFICATE must be attached.</b>	<b>If NO, duly signed/sealed attached DECLARATION OF GST NON-ENROLMENT must be submitted.</b>	
7.	<b>PAN No.</b>			
8.	<b>TIN No.</b>			
9.	<b>ADHAR No.</b>			
10.	<b>Name of the Contact Person With Mobile No. &amp; E-mail ID</b>	<b>Name :</b>		
		<b>Mobile :</b>	<b>E-mail ID :</b>	
11.	<b>Bank Account Details</b>			
	Beneficiary Name			
	Bank Name & Branch			
	Bank Account Number			
	IFSC Code			
	MICR Code			
	Type of Bank Account	Saving Account	Current Account	Cash Credit
Telephone no. and E-mail of Bank Branch	Telephone			
	Email ID			
12.	<b>Vendor Type (please tick)</b>	Manufacturer	Distributor	Reseller
		Service Provider	Stockiest	Indian Agency

**Signature of Vendor with Seal**

**Name:** \_\_\_\_\_

**Date:** \_\_\_\_\_



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## DECLARATION OF GST NON-ENROLMENT

DECLARATION OF GST NON-ENROLMENT

Dear Sir/Madam,

Sub: Declaration of non-requirement of registration under the  
Central/State/UT/Integrated Goods and Services Tax Act, 2017

I/We.....(*Name of the service provider/business entity*), do hereby  
declare that I/we am/are not registered under the Goods and Services  
Tax Act, 2017 as (*select and fill below for the relevant reason*)

-I/We deal in/supply the category of goods or services  
.....(*Describe the nature of the services/goods*) which are  
exempted under the Goods and Service Tax Act, 2017.

-I/We have the annual aggregate turnover below the taxable limit  
as specified under the Goods and Services Tax Act, 2017.

-I/We are yet to register ourselves under the Goods and Services  
Tax Act, 2017.

I/We hereby also confirm that if anytime during any financial year  
I/we decide or require or become liable to register under the GST,  
I/we undertake to provide all the requisite documents and  
information.

I/We request you to consider this communication as a declaration for  
not requiring to be registered under the Goods and Service Tax Act,  
2017.

I/We hereby also confirm that .....(*Name of the service  
recipient*) shall not be liable for any loss accrued to me/us, due to  
any registration default with the GST.

Signature of Authorised Signatory:

Name of the Authorised Signatory:

Name of Business:

Date:

Stamp/Seal of the business entity:



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## UNDERTAKING BY THE TENDERER(S)

(On letterhead)

NAME OF WORK:

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Tender Notice No. :

We confirm that we have quoted the rates in the tender considering Inter-alia the

1. **Tender Document(s) including all Annexures, Technical Specification, Scope of Vendor, Special Condition of Contract & Purchase Rules and Procedure of University.**
2. **Additional Document(s) (if any)**
3. **BOQ Document (Price Bid Format)**
4. **Corrigendum (if any)**
5. **Pre Bid Meeting Minutes (if any)**

We \_\_\_\_\_ (Name of the Tenderer) hereby certify that we have fully read and thoroughly understood the tender requirements and accept all terms and conditions of the tender including all corrigendum/addendum issued, if any. Our offer is in confirmation to all the terms and conditions of the tender including all corrigendum/addendum, if any and minutes of the pre-bid meeting. In the event our offer is found acceptable and contract is awarded to us, the complete tender document shall be considered for constitution of Contract Agreement.

### **SIGNED FOR AND ON BEHALF OF TENDERER(S)**

**Name of Tenderer(s)**

**Date** : \_ \_ / \_ \_ / \_ \_ \_ \_

**Place** :

**Seal & Signature of Tenderer**

**NOTE: This declaration should be signed by the Tenderer's authorized representative on COMPANY LETTERHEAD who is signing the Bid and same to be submitted with Tender.**



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## Annexure-‘A’

### Detailed Specifications of Laboratory Equipment

#### 1. Technical Specifications of “UV-VIS SPECTROPHOTOMETER” – (Qty. – 01)

REQUIREMENTS	SPECIFICATIONS
<b>System</b>	A fully automated PC controlled spectrophotometer with double beam optics with pre-programmed applications using conventional quartz/glass cuvette with all the required accessories.
<b>Operation Keys</b>	<ul style="list-style-type: none"> <li>➤ Instrument should operate immediately after switch on with no warning up time.</li> <li>➤ Capable to store method with analysis &gt; 100 method and programme on the instrument or PC &gt; 1000 results with data evaluation, results and used parameters.</li> </ul>
<b>Optical design</b>	<ul style="list-style-type: none"> <li>➤ Double beam with sample and reference cuvette positions; monochromatic / holographic or equivalent grating with sealed optics.</li> <li>➤ Reference compartment should accommodate cells up to 10 mm path length as standard feature.</li> </ul>
<b>Light Source</b>	➤ Xenon lamp covering the entire wavelength range.
<b>Scan ordinate Modes</b>	Absorbance, % Transmittance, % Reflectance
<b>Resolution</b>	0.1 nm or better
<b>Wavelength range</b>	190 – 1100 nm
<b>Scanning speed</b>	Selectable variable wavelength scan rate 10 nm/min to 2500 nm/min or better
<b>Spectral Bandwidth</b>	Variable (0.5/1/2/4 or 5) nm
<b>Photometric Range</b>	Absorbance = -3.0 to 3. Abs or better
<b>Photometric Accuracy</b>	With neutral glass filter @ 546 nm: +- 0.003A
<b>Baseline Stability</b>	< 0.0005 A/hr (500 nm, 1 hour warm up)
<b>Baseline flatness</b>	+ - 0.0005 Abs or better
<b>Software requirements</b>	<ul style="list-style-type: none"> <li>➤ Data should be archived into a secure database.</li> <li>➤ Multilevel user permissions, administrator, method developer, analyst and reviewer</li> <li>➤ Password protected access control.</li> </ul>
<b>Application Software</b>	<ul style="list-style-type: none"> <li>➤ Compatible software should be user friendly &amp; simple for data handling with feature like easy to use report publisher, online help and answer wizard and fully compatible with windows.</li> <li>➤ System built in features such as real time display of concentration, time scan, photometric mode, single/multi –wavelength, capability for event recording (e.g. addition of reagents)</li> <li>➤ Software should have built in               <ol style="list-style-type: none"> <li>a. Methods:                   <ul style="list-style-type: none"> <li>• Absorbance with one or more wavelengths,</li> <li>• Scans Nucleic Acids and Proteins evaluation via factor standard and calibration curve</li> <li>• Dual wavelength with subtraction and division evaluation.</li> </ul> </li> <li>b. Method dependent evaluation:                   <ul style="list-style-type: none"> <li>• Absorbance, concentration via factor and standard concentration via standard series using linear regression, non-linear regression with 2<sup>nd</sup> and 3<sup>rd</sup> degree polynomials.</li> <li>• Linear interpolation (point to point evaluation)</li> <li>• Absorbance allocation via subtraction and division ratio 260/280, 260/230, molar concentration and total yield for nucleic acids.</li> </ul> </li> </ol> </li> </ul>



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<b>Accessories and spares</b>	<ul style="list-style-type: none"><li>➤ One pair each of 0.5, 1 and 3 ml quartz cuvette with 10 mm path length</li><li>➤ One pair each of 0.5, 1 and 3 ml glass cuvette with 10 mm path length</li><li>➤ Cuvette holder</li><li>➤ Xenon lamp</li><li>➤ Suitable certified standards for validation and wavelength calibration.</li></ul>
<b>Computer and Printer</b>	<ul style="list-style-type: none"><li>➤ Latest configuration factory set branded PC system, 22" full HD monitor, colour printer with network card</li></ul>
<b>UPS</b>	<ul style="list-style-type: none"><li>➤ Suitable UPS with 60 min. backup</li></ul>
<b>Power Supply</b>	<ul style="list-style-type: none"><li>➤ Electrical requirement: 220V – 240V</li></ul>
<b>Operating Manuals &amp; others</b>	<ul style="list-style-type: none"><li>➤ Should be provided with user, technical and maintenance manuals in English, list of procedures required for local calibration and routine maintenance service and operation manuals to be provided.</li></ul>
<b>Supplier/ Manufacturer</b>	<ul style="list-style-type: none"><li>➤ Should be FDA/CE/BIS approved product.</li><li>➤ Electrical safety conforms to the standards.</li></ul>
<b>Warranty</b>	<ul style="list-style-type: none"><li>➤ Minimum 5 years comprehensive onsite warranty including lamps also with one preventive maintenance and equipment calibration from the date of installation and commissioning every year.</li></ul>

## 2. Technical Specifications of "BOILING WATER BATH" – (Qty. – 01)

- The water bath chamber capacity should be of 2 to 4 ltr.
- Chamber Construction: Double walled rectangular chamber.
- Material of Outer Chamber Construction: Epoxy / Powder coated and internal chamber should be of stainless steel SS 304.
- Total 6 number of 75 mm diameter holes should be provided.
- Heating Capacity ( $\geq$ ): 1000 Watt
- Control Panel should have ON/Off Switch, Heating & Temperature (Set & Actual) Indicators, Power mains Indicator.
- Type of temperature controller should be digital controller cum Indicator PID Based control and waterproof keypad.
- Water bath display type should be digital (numerical/application specific) backlit LCD display.
- Should have integrated circulation pump for temperature homogeneity.
- Temperature range of bath chamber: 5°C above ambient to 99.9°C.
- The temperature control sensitivity:  $\pm 0.1^\circ\text{C}$  or better.
- Least temperature increment step should be  $0.1^\circ\text{C}$ .
- Temperature accuracy should be  $\pm 0.1^\circ\text{C}$  or better.
- The instrument should have safety features of low fluid alarm and timer setting.
- The power requirement should be 220 V 50 Hz Single Phase AC.
- The equipment should have CE certification.
- The water bath must have drain plug in chamber.
- The instrument should have at least 3 - 5 years comprehensive onsite warranty.



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### 3. Technical Specifications of "BOD INCUBATOR" – (Qty. – 01)

- The instrument should have:
  1. Toughened glass window.
  2. Air circulation fan.
  3. Double door with at least 4 – 5 stainless steel perforated trays.
  4. Temperature sensor.
  5. Door hinges and door handle with lock & key.
  6. Digital display and PID temperature controller.
  7. Analog ampere meter, pilot lamp, safety thermostat and On/Off MCB.
  8. Caster wheels, heater and temperature high/low safety alarm.
- Exterior body material should be powder coated GI sheet and insulation material: Glass wool.
- The inner door material should be of stainless steel 304.
- The chamber capacity should be of 150 – 200 ltr and with timer based illumination (light could be set to 12 hour light and 12 hour dark)
- Temperature range should be from 5°C to 60°C with accuracy  $\pm 0.5^\circ\text{C}$  and temperature uniformity  $\pm 2^\circ\text{C}$ .
- The instrument should be supplied with a suitable surge free servo voltage stabilizer.
- The instrument should have comprehensive onsite warranty of at least 3 – 5 years.

### 4. Technical Specifications of "DIGITAL pH METER" – (Qty. – 01)

- The digital pH meter should be supplied with measuring chemical resistant electrode combined & glass calomel, temperature probe, Electrode Stand, calibration buffer, maintenance kit and operation manual.
- The instrument should have microprocessor based controller and Corrosion Resistant
- LED / LCD / Touch Screen up to 3 digits.
- The system should have Impact resistance and ingress protection water tight.
- Storage pocket for pH electrode with storage solution.
- Should have calibration up to 3 points with standard buffer.
- pH range should be from 2 to 14.00 with accuracy  $\pm 0.05$ , mode (pH) mV- C, resolution (pH): 0.01
- Power requirement: 230 V  $\pm 10$ , 50 Hz AC
- Should have temperature compensation with accuracy  $\pm 0.3^\circ\text{C}$  with Parallel temperature indication.
- Should have at least 3 - 5 years comprehensive onsite warranty with equipment calibration from the date of installation.

### 5. Technical Specifications of "DIGITAL POCKET pH METER" – (Qty. – 05)

- The digital pocket pH meter should be hand-held.
- Measuring pH should be ranging from 1 to 15.
- The pH meter should be waterproof & dustproof.
- Should be supplied with batteries.
- Push-button calibration with auto-buffer recognition.
- Should have at least 1 year warranty.



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## 6. Technical Specifications of “REFRIGERATOR 4°C” – (Qty. – 01)

- The Refrigerator should be frost-free, double door and in built stabilizer.
- Capacity should be approx. 240 - 300 Ltr.
- Should have at least 3 toughened glass shelves.
- The BEE Star rating should be 3 – 5 stars.
- Power requirement should be 230 (+-10%), 50Hz
- Should have Interior lamp, vegetable & fruit drawer along with adjustable shelf.
- Should have at least 1 year warranty on product and 10 years warranty on compressor from the date of installation.

## 7. Technical Specifications of “SPHYGMOMANOMETER WITH STETHOSCOPE” – (Qty. – 04)

- The instrument should have ISI marked and packaging & marking of mercurial sphygmomanometer should be as per latest IS 3390.
- Fastening arrangement of the cuff should be bandage type.
- Lower Scale Range should be from 0 mm Hg.
- Upper Scale range should be from 260 to 300 mm Hg.
- Inflating bag dimensions (length X breadth) should be 225 x 125 mm.
- Cuff dimensions should be 240 x 140 mm and cuff material should be of cotton.
- Material of inflating bulb should be of natural rubber and supplied with stethoscope.
- Should have at least 1 year warranty.

## 8. Technical Specifications of “BINOCULAR MICROSCOPE”: – (Qty. – 02)

- The material of microscope should be aluminium die cast.
- Optical tube should be binocular.
- Built in LED illumination.
- The objectives should be plan achromat, anti-fungal 4X, 10X, 20X, 40X and 100X
- The eyepiece should be two 10 X wide field.
- The condenser should be abbe type with aperture iris diaphragm
- Should have fixed quadruple nosepiece with inward tilt.
- The stage should be mechanical and adjustable.
- Should have co-axial coarse and fine focusing.
- Power requirement should be 220 V– 240 V.
- The instrument should have at least 3 - 5 years comprehensive onsite warranty.

## 9. Technical Specifications of “DIGITAL WEIGHING BALANCE” – (Qty. – 01)

- The weighing balance should consist of load sensor (EMFC)/Load cells, closed weighing chamber, associated digital display, rigid frame and weighing platform/Pan etc.
- Analytical weighing scale having least counts 4 digits after decimal and above.
- Actual load capacity of weighing balance should be up to 220 gm with resolution 0.1 mg.
- The system accuracy and class should be  $\pm 0.05$  %
- Should have LCD/TFT Display with touch screen.
- Close weighing chamber should be of glass shield with manual operation.
- Maximum measurement time should be 5 – 10 sec.
- Nominal weighing platform/pan size: 80-90 mm



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- Material of frame should be stainless steel.
- Should have valid calibration certificate issued by authority (Issuing date should be more than 3 month prior at the time of invoicing)
- Operating temperature range: 15°C to 35 °C
- Power supply should be 220 - 240 V, Single Phase AC
- The instrument should be also supplied with standard weight for calibration purpose.
- The instrument should have at least 3 - 5 years comprehensive onsite warranty.

## 10. Technical Specifications of “HEATING MANTLE” – (Qty. – 01)

- The instrument should be of aluminum or mild steel material with a painted surface.
- The power requirement should be 220 V - 240V with a frequency of 50/60Hz.
- The capacity should be 1000 ml.
- Temperature range should be from ambient to 300°C with temperature accuracy around  $\pm 1.0^{\circ}\text{C}$  to  $\pm 2.0^{\circ}\text{C}$
- The instrument should have an energy regulator, thermostat, or digital temperature control.
- Heating element should be made of Kanthal wire (Kanthal 80:20 Nichrome wire).
- It should include an indicated light to show when the device is powered on for safety features.
- The warranty should be 3 – 5 years.

## 11. Technical Specifications of “AGAROSE GEL ELECTROPHORESIS WITH UNIVERSAL POWER PACK” – (Qty. – 01)

- The Unit should be supplied with a gel tank of cell size: approx. 9.2 x 25.5 x 5.6 cm, easy-to-replace electrode cassettes, lid with three foot power leads, 7 × 10 cm UV-transparent gel tray, base buffer volume capacity: approx. 250 ml and two 8-well fixed-height drop-in combs for casting gels.
- Should be supplied with universal power supply of given specifications:
  - Should have user intuitive programming permits multistep (up to 9 steps) methods and timed runs with a choice of constant voltage, current, or power output with automatic crossover.
  - Should have LCD screen displays for all run parameters.
  - Should have user optional run completion after a power failure.
  - The programmable output range should be from 10V – 500 V (fully adjustable in 1V steps) and 0.01 A – 2.5 A (fully adjustable in 0.001 A steps).
  - Output terminals should be 4 pair recessed banana jacks floating in parallel for a broad range of electrophoresis and blotting applications includes power cord.
  - Fully adjustable timer control should be from 1 min – 99 hr 59 min with pause/resume function
  - Should have programmable methods and real time clock.
  - Automatic recovery after power failure.
  - Should have safety compliance and conforms to CE standards.
  - It should also have no-load detection, sudden load change detection, ground leak detection, overload/short circuit protection, overvoltage detection, input line protection, auto power-up after power failure.
- The power requirement should be 220 V – 240 V AC, 50 or 60 Hz.
- The power pack should have 3 – 5 years warranty.



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## 12. Technical Specifications of “REFRIGERATED MICROCENTRIFUGE” – (Qty. – 01)

- Should have max. speed: 14000 rpm (20,817 × g)
- Should have compact design with 24 places rotor of 1.5/2.0 ml micro centrifuge tubes.
- High capacity rotor should allow for fast and ergonomic lid locking.
- Cooling should be CFC free.
- Temperature range should be from -10°C to 40°C.
- Should have continuous cooling following centrifugation process with soft ramp function.
- Acceleration time to max. rpm should be 15s and braking time from max. rpm – 16s
- Should have fast temperature function for quick pre-cooling of the centrifuge.
- Built-in condensation drain to eliminate water accumulation.
- Automatic rotor recognition and imbalance detection for maximum operational safety.
- Built in condensation drain to eliminate water accumulation in rotor chamber and prevent corrosion.
- Should maintain constant 4°C temperature at maximum speed.
- Noise level should be < 55 DB (A)
- Power Supply – 230V, 50 – 60 Hz and max.
- Suitable 1 KVA online UPS should also be provided along with instrument.
- Performance evaluation report of at least five users should be provided.
- Warranty should be at least 5 Years.

## 13. Technical Specifications of “VORTEX” – (Qty. – 01)

- The instrument should have wide speed range: 0 – 3,000 rpm
- Should have two operational modes “Touch” (activation on contact) and “Continuous” (running until switched off).
- Shaking movement: Orbital
- The power requirement should be 220V – 240V
- The comprehensive warranty should be at least 3 – 5 years from date of installation.

## 14. Technical Specifications of “HOT AIR OVEN” – (Qty. – 01)

- The instrument should have compact size and the chamber material should be of stainless steel with proper air circulation.
- The capacity should be from 80 – 120 Ltr.
- Temperature range should be from ambient up to 300°C with temperature accuracy as +- 1°C or better.
- Temperature set division (°C): +/-0.5
- Timer mode should be of Set Mode/Continuous.
- Should be supplied with at least 2 shelves.
- Should have over temperature protection, thermal cut off and automatic heater/blower cut off when door is opened.
- The power requirement should be 220 V -240V.
- The comprehensive warranty should be at least 3 – 5 years from date of installation.



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## 15. Technical Specifications of BIOSAFETY CABINET, TYPE – II – (Qty. – 01)

- The cabinet should have protection of class 2 Type.
- The cabinet interior should be made of stainless steel 304 for easy cleaning and decontamination. The exterior may be coated steel.
- The inner working area of the cabinet should be 3 feet with proper exhaust system.
- Cabinet should have NSF compliance for Personnel, Product and cross contamination test.
- Cabinet should have microprocessor controller with UV light, LED flash light and timer.
- It should have UV resistance laminated safety sash.
- Cabinet should have high velocity return air slots for added safety.
- Should have HEPA filter with efficiency of >99.99 % of particles 0.3 UM along with ISO class cleanliness.
- The inflow velocity should be around 0.5 m/s (100 lfpm) and down flow velocity should be around 0.3 m/s (60-80 fpm) to provide a sterile work zone.
- Cabinet should have reduced energy consumption.
- A suitable servo surge free voltage stabilizer should be supplied with the instrument.
- The warranty should be 5 year comprehensive.

## 16. Technical Specifications of “MAGNETIC STIRRER CUM HOT PLATE” – (Qty. – 01)

- The instrument should have ceramic coated aluminium top and digital displays for temperature and speed with PID control.
- The stirring speed should be up to 1500 rpm and should have timer functions and external temperature sensor.
- Should have digital temperature control from ambient temperature up to 300°C with temperature accuracy of +- 0.5°C.
- The power requirement should be 220V – 240V.
- The comprehensive warranty should be at least 3 – 5 years from date of installation.



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## FINANCIAL BID PROFORMA

Tender Notice No. : CUSB/PSD/LS/EQUIP/T/20/2025-26

Date : 14/11/2025

Sub.: Supply of Lab Equipment for Department of Life Science.

Name of the Bidder: \_\_\_\_\_

S. NO	EQUIPMENT NAME	Qty	Warranty	Unit Rate	GST @	Total Price including GST
1.	UV-VIS Spectrophotometer, Double Beam	1	1 year			
2.	Boiling Water Bath	1	1 year			
3.	BOD Incubator	1	1 year			
4.	Digital pH Meter	1	1 year			
5.	Digital Pocket pH Meter	5	1 year			
6.	Refrigerator 4 Degree, 240-300 L	1	1 year			
7.	Sphygmomanometer with stethoscope	4	1 year			
8.	Binocular Microscope	2	1 year			
9.	Digital Weighing Balance	1	1 year			
10.	Heating Mantle, 1 Ltr	1	1 year			
11.	Agarose Gel Apparatus with Universal Power Pack	1	1 year			
12.	Refrigerated Microcentrifuge	1	1 year			
13.	Vortex	1	1 year			
14.	Hot Air Oven	1	1 year			
15.	Biosafety Cabinet Type II	1	1 year			
16.	Magnetic Stirrer cum Hot Plate	1	1 year			
<b>Total:</b>						
<b>Total of GST:</b>						
<b>Rupees (in word) .....</b>						
.....						

Note: (i) Above rates are inclusive of all and no other charges shall be paid extra.

(ii) No overwriting or use of whitener is permitted. If done it will be summarily rejected.

Date:

Signature \_\_\_\_\_

Name: \_\_\_\_\_

Designation & seal