



**Central University of South Bihar**  
(A Central University established under Central Universities Act 2009)  
**Gaya Tekari Road, Panchapur, Gaya – 824236 (Bihar)**

**Tender Ref.: CUSB/PHY/RP-59/T/01/2020-21, Date: 05/02/2021**

**Subject: Supply and Installation of High Temperature Muffle Furnace**

Central University of South Bihar Gaya invites bid for **Supply and Installation of High Temperature Muffle Furnace** as per specification mentioned below from the eligible bidders. You are requested to kindly send the quotations/ proposals for below mentioned items as per specifications latest by **26/02/2021 till 4:00 PM** to the below mentioned address:

To,  
Dr. Rohit Ranjan Shahi  
Department of Physics,  
School of Physical and Chemical Sciences  
Aryabhatta Bhawan  
Central University of South Bihar  
SH-7, Gaya- Panchapur Road,  
Village- Karhara, Post- Fatehpur  
P.S- Tekari, District- Gaya (Bihar), PIN- 824 236  
Email- [rohitshahi@cub.ac.in](mailto:rohitshahi@cub.ac.in)  
Website- [www.cusb.ac.in](http://www.cusb.ac.in)  
Contact – 9450872847

CPP Portal web site: [www.eprocure.gov.in/epublish/app/epublish/app](http://www.eprocure.gov.in/epublish/app/epublish/app)

**Index for Tender form**

Sl. No.	Items	:	Details
1.	Tender Notice No. and date	:	<b>CUSB/PHY/RP-59/T/01/2020-21, Date: 05/02/2021.</b>
2.	Name of work	:	Tender Bid Document for the <b>Supply and Installation of High Temperature Muffle Furnace</b> at Department of Physics, Central University of South Bihar.
3.	Tender Fee	:	Rs. 500/- in form of Demand Draft
4.	Earnest Money Deposit	:	Earnest money as mentioned in NIT in shape of Demand Draft drawn in favour of Central University of South Bihar, payable at Gaya from any scheduled Bank of amount <b>₹ 15,000/- (₹ Fifteen Thousand Only)</b>
5.	Start of submission of Bids	:	05/02/2021
6.	Last date and time for Receipt of Bids	:	26/02/2021 by 4:00 PM
7.	Date and Time of opening of Technical Bids	:	01/03/2021 at 2:00 PM.
8.	Place of opening of Bids	:	Department of Physics, CUSB Gaya.



The Tender Documents for items will be on Two-Bid System consisting of Technical Bid and Price Bid. The Tender Documents will be submitted in two separate sealed covers clearly mentioning on the envelope the details of items for which bid is submitted.

All Tender Documents must be accompanied by the Bid Security Form/Earnest Money Deposit (Refundable). The Earnest Money Deposit is to be paid in the form of Bank Draft in favour of the Registrar, Central University of South Bihar payable at Gaya. The Bid Security Form/Earnest Money Deposit Bank Draft must be enclosed with Technical Bid. The details of Bank Draft Number of Earnest Money Deposit must be endorsed on top of envelope containing Technical Bid. EMD shall be exempted on submission of MSE/MSME certificate.

High Temperature Muffle Furnace – 01 nos.

**Specifications:**

Maximum Temp.	1700° C
Working Temp	1600 ° C
Temp. Accuracy	±2° C or better
Heating Elements	Molybdenum Disilicide
Size	150 x 150 x 300 mm ( W x H x D)
Inner Chamber	Ceramic Refractory / Board with heating elements
Insulation	Ceramic Fibre
Construction	Tripple walled with air insulation on the outer side For Minimal Skin Temp.
Power Control	Phase Angle Fired Thyristor <ul style="list-style-type: none"><li>• Frontal Key pad to configure the unit and to read V,I</li><li>• Microprocessor based electronic circuit fully isolated from power.</li><li>• Configurable Control mode: V, I, V<sup>2</sup> and VxI</li><li>• Heather break alarm to diagnose partial or total load failure and thyristor short circuit</li></ul>
Temperature Control	Microprocessor based PID Digital Programmable Control with Thermocouple break protection & Cold junction compensation.
Profiles	Number of programs: 1, each with 16 free-form segments (Ramp/Dwell/End). Max segment length 99hours 59 minutes. Program cycles:1 to 9999 or infinite(continuously re-start program at end) Ramp rate definition: either ramp rate, or time to set point Power loss recovery: hot(continue profile from point of power fail) or cold(end profile and return to controller mode)
Input	<ul style="list-style-type: none"><li>• Thermocouple: J, K, R, S, T, B, L, &amp; N.</li><li>• Accuracy: ± 0.25% of input span +/-1 LSD(T/C CJC better than 0.7°C).</li><li>• Sensor break detection:&lt; 2 Secs (excepts zero based D.C. ranges), control O/P'd turn off , High alarms activate.</li></ul>



<b>Sensors</b>	Pt-Pt/Rh
<b>Safety</b>	Over current and Short circuit protection thermocouple, break alarm High Temp. Alarm
<b>Warranty</b>	Minimum one Year

**Terms & Conditions:-**

1. Enquiry will be sent by courier/ registered post/ speed post/ by hand and will not be accepted after last date of submission.
2. The relevant papers in regards to technical specifications, eligibility criteria, tender fee Rs 500/-, EMD of value of **Rs. 15,000/- (Fifteen Thousand only)** should be in sealed envelope. Bidders should clearly mentioned NIQ ref on envelop **CUSB/PHY/RP-59/T/01/2020-21, Date: 05/02/2021. Tender Fee/EMD should be in, form of DD in favour of “Central University of South Bihar” Payable at Gaya.**
3. EMD of unsuccessful bidder shall be refunded after issuance of P.O. to successful bidder.
4. The rate offered should be quoted **F.O.R to CUSB Gaya Campus.**
5. In case of Ex-Godown terms the amount of packaging forwarding freight etc. should clearly be mentioned by percentage or lump sum amount. Current rate of tax as and other statutory levels must be mentioned.
6. The delivery period should be within 6-8 weeks.
7. The firms are requested to give detailed description and specification together with detailed drawings and printed leaflets and literature of the articles quoted. The name of manufactures and country of manufacture should also be invariably be stated. In the absence of these particulars the quotation is liable for rejection. **A separate compliance sheet in regards to technical specification of the item should be submitted with technical bid.**
8. Quotation should have validity of at least 90 days from the date of opening.
9. 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.
10. The penalty @ 1% per week subject to a maximum of 10% of the delivery price will be deducted from the balance payment if supply is not completed within stipulated period.
11. Our standard payment terms & condition is 100% against delivery and successful installation and approval.
12. Warranty on equipment shall be valid for one year. The successful vendor bidder shall furnish an unconditional Performance Bank Guarantee (PBG) for 10% of the quoted value within 21 days of receiving of supply order valid beyond 60 days from the expiration of warranty period in form of DD/Bank Guarantee/ Fixed Deposit.



13. Unless otherwise stated delivery of goods at **CUSB Gaya Campus** as per conditions be specified in Purchase Order.
14. **Copies of GST registration certificate of the firm, with the TIN number clearly indicated therein will have to accompany the quotation to be submitted.**
15. Dealership/Authorised retailer certificate on the offered products and Standard Technical literature on each of the items offered will have to be enclosed along with the quotation.
16. The bid documents are not transferrable and the seal and signature of the authorised official of firms must appear on all the papers and envelopes submitted.
17. The quotation should be complete in all respects and duly signed wherever required. Incomplete and unsigned offer will not be accepted.
18. The quotations are liable to be rejected if the fore going conditions are not compiled with.
19. Printed conditions of the firm, if any, will not be binding on us.
20. 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.
23. Compliance sheet about the specification asked must be enclosed with the proposal.
24. The bidders to submit the signed copy of Tender document with the proposal.

#### **Checklist for Envelope “A”**

Tender fee and/or EMD MSE/MSME certificate, as applicable.

#### **Checklist for Envelope ‘B’**

- Copy of registration of GST.
- Copy of Income Tax Permanent Account Number (PAN).
- Copy of Audited account of the firm for the last three Years.
- Copy of Income Tax Returns of last three years.
- Copy of Trade License, Factory License/Excise Registration.
- Copy of Memorandum and Article of Association, Certificate of Incorporation, Partnership Deed, Registration Certificate issued by the Registrar of Firms etc.
- Copy of Authorization for Participation in subject bid (not required in case of Proprietorship firm).
- Copy of Dealership/ Distributorship Authorization Certificate.



- Copy of Small Scale Unit/ MSME/ NSIC Registration under relevant items (if registered).
- All pages of tender document including various sections with its corrigendum, addendum and Annexure 'A', except priced bid duly signed / sealed by the Tenderer.
- Any product manual, credentials etc.

#### **25. Envelope 'C' (Financial Bid Document)**

The **Envelope 'C'** shall contain the tender documents and information related to the schedule of quantities quoting the rates per Unit/Price etc. of the item pertaining to the Financial Bid on the Financial Bid document, issued by CUSB, along with the tender document.

**The Financial Bid should be submitted separately in separate envelope clearly mentioning the Financial Bid is submitted on top of the Envelope.**

All columns shall be duly filled in with specific information on the cost involved.

The rates for the items shall be quoted in Indian Rupees only.

The Tenderer should clearly mention in all the three envelopes (i.e. A, B and C) clear description of the items for which the offer is being quoted. If any discrepancy is observed the offer would be treated as non-responsive and would be rejected out rightly.

- **Envelope 'A'** (Earnest Money & Tender Cost),
- **Envelope 'B'** (Technical Bid Document), and
- **Envelope 'C'** (Financial Bid Document), shall be in separate sealed envelopes, each marked as "**Envelope 'A'**", **Envelope 'B'**" and **Envelope 'C'**", respectively.
- All the three envelopes shall be submitted together in another big envelope sealed and super-scribing thereon **Tender for Supply and Installation of High Temperature Muffle Furnace** with **Tender Number**.
- The envelope should be addressed to, Dr. Rohit Ranjan Shahi, (Tender Document) Central University of South, SH-7, Gaya - Panchapur Road, Village - Karhara, Post- Fatehpur, P.S. Tekari, District - Gaya (Bihar) PIN - 824236.
- The envelope marked **Envelope 'B'** of only those Tenderers shall be opened, whose earnest money & tender cost are placed in the **Envelope 'A'** and found to be in order. In case of waiver of the charges, relevant documents shall be submitted in **Envelope 'A'**.
- Envelope 'c' shall be opened of only technically qualified bidders.



### **TECHNICAL BID PROFORMA**

<b>NIT No. :</b>	<b>CUSB/PHY/RP-59/T/ 01 /2020-21, Date: 05/02/2021</b>				
<b><u>Subject: Supply and Installation of High Temperature Muffle Furnace</u></b>					
<b>1.</b>	Name of the Organization				
<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 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		
<b>6.</b>	<b>Nature of Business (tick the relevant)</b>				
	Manufacturing		Service		Dealership



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Stockiest		Indian Agent		Indian Branch Office	
Others Pl. Specify					
<b>7.</b>	<b>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>	
<b>2018-19</b>					
<b>2017-18</b>					
<b>2016-17</b>					



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<b>8.</b>	<b>Commercial Information (enclose Attested Copy wherever Applicable)</b>					
<b>S. No.</b>	<b>Information</b>	<b>Details</b>			<b>Annexure (Number)</b>	
<b>a.</b>	GST Registration Number					
<b>b.</b>	Excise Registration Number Trade / Factory License Number					
<b>c.</b>	PAN No.					
<b>d.</b>	Details of Registration Certificate with DGS&D/NCCF					
<b>e.</b>	SSI/NSIC/MSME Certificate					
<b>f.</b>	Current dealership agreement with Principal Letter No. / Date / Valid upto					
<b>g.</b>	Relevant IISI/ SO Certificate, if any					
<b>h.</b>	<u>Bank Details :</u> Account No.					
<b>i.</b>	Name of Bank & Branch					
<b>j.</b>	IFSC Code					
<b>k.</b>	Details of Tender Fee	Amount :	DD No. & Date	Name of the issuing Bank & Branch		
<b>l.</b>	Details of EMD	Amount:	DD No. & Date	Name of the issuing Bank & Branch		
<b>m.</b>	Details of Previous Supply in Govt. Organisations/ Govt. Educational Institutions (Enclose Supply order & Performance report. If required enclose separate sheets) Enclosures -	Name of the organization	Item Supplied / Qty.	Total Value (Rs in lakhs)		
<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.						





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**Signature of authorized representative: .....**

**Date:.....**

<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 in the enclosed format on Non Judicial stamp paper duly attested by Magistrate/Notary shall also be furnished by the bidder.



**FINANCIAL BID PROFORMA**

Tender Notice No.: **CUSB/PHY/RP-59/T/ 01 /2020-21**, Date: **05/02/2021**

Subject: Supply and Installation of High Temperature Muffle Furnace Name of the Bidder: \_\_\_\_\_

Sl. No.	Item description with specification (Attach separate sheet, if required)	Qty. (Nos.)	Warranty (in Years)	GST* @	Unit price (in Rs.) Inclusive GST, delivery, installation and other charges	Total price (in Rs.) GST, delivery, installation and other charges
1.	<u>High Temperature Muffle Furnace</u>	01				
<b>Total Basic Amount (in Rs.)</b>						
<b>GST@...%</b>						
<b>Total Amount with GST (in Rs.)</b>						
<b>Total Amount in words (in Rs.)</b> (.....)						

Note: No overwriting or use of whitener is permitted. If done then it will be summarily rejected.

\*University provides DSIR Certificate for exemption of GST @ 5% .

Date:

Signature  
Name:  
Designation & seal