



भारतीय विज्ञान शिक्षा एवं अनुसंधान संस्थान मोहाली

शिक्षा मंत्रालय, भारत सरकार द्वारा स्थापित

सैक्टर 81, नॉलेज सिटी, प० ओ० मनोली, एस० ए० एस० नगर, मोहाली, पंजाब - 140306

INDIAN INSTITUTE OF SCIENCE EDUCATION AND RESEARCH MOHALI

(Estd. By Ministry of Education, Govt of India)

Sector-81, Knowledge city, PO-Manauli, SAS Nagar Mohali-140306, Punjab

PAN No. - AAAAI1781K GST No. 03AAAAI1781K2ZS

• Phone : +91-172-2240086 & 2240121 • Fax : +91-172-2240124, 2240266 • <http://www.iisermohali.ac.in> • Email: stores@iisermohali.ac.in

Cppp/Institute Website

IISERM (1410)20/21-Pur

Dated: 12th November 2020

NOTICE INVITING E-TENDER

Online tenders are invited on behalf of Director, IISER Mohali in **TWO BID SYSTEM** for the **Supply and installation of High Temperature Vertical Tube Furnace** as per technical specification and details given below and BOQ list from the original manufacturer/supplier at CPPP i. e. <https://eprocure.gov.in/eprocure/app>. Tender documents may please be downloaded from the E-procurement portal website <https://eprocure.gov.in/eprocure/app&> Institute website www.iisermohali.ac.in.

-sd-

(Mukesh Kumar)

Assistant Registrar (P&S)



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E-TENDER NOTICE

Tender Ref.- IISERM(1410)20/21-Pur

Dated :- 12th November 2020

Critical Date Sections

Sr.	Description	Date	Time
1.	Tender Publishing Date and time	12 th Nov 2020	6:00pm
2.	Tender Document download start Date & Time	12 th Nov 2020	6:00pm
3.	Bid Submission start Date & Time	12 th Nov 2020	6:00pm
4.	Bid Submission End date and Time	10 th Dec 2020	Upto 11:00am
5.	Tender opening Date and Time	11 th Dec 2020	At 11:30am

Online tenders are invited on behalf of the Director, IISER Mohali in **TWO BID SYSTEM** for following item(s) from the original manufacturer/supplier at CPPP i.e. <https://eprocure.gov.in/eprocure/app>. Tender documents may please be downloaded from the E-procurement portal website <https://eprocure.gov.in/eprocure/app> & Institute website www.iisermohali.ac.in. Tender fee in shape of DD/Banker Cheque of Rs 590/- (Non-refundable) and EMD of Rs. 24,000/- should be submitted by DD /Banker Cheque/FDR/ Bank Guarantee in favour of the Registrar, IISER Mohali payable at Mohali or through Online mode in Institute Account (Canara Bank Saving Account Number 4790101001912 and IFSC Code CNRB0004790). However, scanned copy of the both tender fee and EMD should be upload on website along with technical bid part. The hard copy of the same in original to be send to the address mentioned below duly superscribing the supply/work name and reference/ tender ID on the envelope and same must reach before opening the bid and if not received within due date the bid will be rejected summarily.

The Original EMD and Tender Fee should be sent to:

Assistant Registrar (P&S)
Indian Institute of Science Education and Research Mohali
Sector-81, Knowledge City, SAS Nagar, Mohali, Punjab,
India, Pin: 140306

Non-receipt of original EMD and Tender Fee will lead to rejection of tender.

ITEM DETAILS

Sr.	Description	Qty. (in units)
1.	<p><u>Supply and installation of High Temperature Vertical Tube Furnace</u></p> <p><u>Technical Specifications:</u></p> <ol style="list-style-type: none"> 1) Vertical tube furnace with maximum operating temperature of 1600 °C and Continuous Operation temperature 1500 °C 2) Eurotherm PID based Microprocessor temperature controller with LCD display with data input by numeric pad & jog dail. 3) Facility for 3 Programs with 16 Steps each 4) Temperature control Accuracy of ± 1 °C & Temperature input of Per Deg C or per Minute or better. 5) The PID Programmer Controller has the facility to auto start & resume the on going programme after a power outage / power failure. 6) The controller is equipped with 1 extra function to support additional functions such solenoid valves, optical and acoustic signal etc. 7) The controller has option for retrieving recorded data on an external drive & recording of process data with USB Flash Drive. 8) High-quality fibre insulation material which are not classified as carcinogenic according to TRGS 905, class 1 & 2. 9) MoSi₂ heating elements, mounted vertically for easy replacement installed parallel to tube. 10) Type R thermocouple; Silent Solid State power control Relays. Control system & switchgear built separately into an integrated control panel for furnace and vacuum control. 11) The furnace should meet applied harmonized international standards or better EN 61010-1, EN 60519-1, EN 60519-2, EN 61000-6-2, EN 61000-6-4 or equivalents BSEN61010or equivalent or better. 12) Ceramic tube Dimensions: Length 900mm with Inner ϕ 70mm & Heated Length 300 mm or above & Length Constant Temp. ΔT 10K: ≥ 80mm. 13) Voltage supply of : 400 V AC / 50 Hz / 3-Phase 14) Provision for Automatic opening, lowering and closing of lower flange with provision for loading sample crucible of 50mm outer diameter into furnace hot zone. 15) Provision for in-situ temperature measurement of sample by a thermocouple and reader. 16) Vacuum and Gas supply system: Vacuum pump (up to 10-2 mbar) and Gas flow System for protective gas applications with Non-flammable gases. 17) Vacuum/gas tight working tube of ceramic with water cooled stainless steel flanges design. The flange has the following: <ol style="list-style-type: none"> a. Two (02) vacuum-tight, water-cooled stainless steel flanges with O rings & seals with fittings on the outlet side. b. A water cooling tower of 50 liter capacity for cooling flanges. c. Mounting support system with Brackets on furnace for the tube/ flanges. d. Gas system for One non-flammable protective gas (Ar/N₂/O₂/forming gas (N₂+H₂) etc.): Each system supplied with shutoff valve and flow meter with control valve for fine dosing (volume 50-500 l/hr), gas outlet valve, piped and ready to connect. e. Rotary vane Vacuum Pump (upto 10-2) Compatible to fit with furnace & All the Necessary fitting & connection Kit for the Vacuum Operation. 	01

(A) **IMPORTANT NOTES:-**

- I. **The online updated Price BOO is in INR format. If bidder want to quote other than INR please specify the quoted currency in the technical bid/part and fill the amount in same updated BOO.**
- II. **Please bifurcate the price on shipping terms i.e. Ex-works -> FCA/FOB -> CIP/CIF in price BOO and specify the same in technical bid without price.**
- III. **If quoted in foreign currency, kindly clearly specify the terms of delivery/country of origin/bank details with swift code/weight/size/dimension of shipment.**
- IV. **The Online bids should be submitted directly by the original manufacturer/supplier. If quotation is submitted/filled by any representative/agent/dealer then they must upload a authority certificate from the principal company.**
- V. **Kindly specify the weight of the product including weight of packing for assessment of Freight charges, if quoted in foreign currency. Also mention in Technical Bid/Compliance sheet the currency in which quoted.**
- VI. **Kindly do not quote end of life model. Spares should be available minimum period of 5 years for quoted models.**
- VII. **All MSME/NSIC/Startup Units shall be considered as per provisions/rules prescribed by Govt of India.**
- VIII. **WARRANTY: MIN ONE YEAR, IF NOT SPECIFIED ABOVE.**
- IX. **Auto-extension of last date has been activated by CPP Portal for the tenders which has participation less than 2 bids.**

B) **SUBMISSION OF TENDER**

- 1) All bid/ tender documents are to be uploaded online at Central Public Procurement portal i.e. <https://eprocure.gov.in/eprocure/app> only and in the designated cover/ part on the website against tender ID. Tenders/ bids shall be accepted only through online mode and no manual submission of the same shall be entertained except tender fee and EMD. Late tenders will not be accepted.
- 2) The online bids shall be opened at the office of the Assistant Registrar (P&S), IISER Mohali, on above given date and time. If the tender opening date happens to be on a holiday or non-working day due to any other valid reason, the tender opening process will be attended on the next working day at same time and place. IISER Mohali will not be responsible for any error like missing of schedule data while downloading by the Bidder.
- 3) The bidder shall upload the tender documents duly filled in and stamped by the authorized signatory on each and every page. Tender not submitted/uploaded in the prescribed form and as per the tender terms and conditions shall be liable for rejection.
- 4) The bidder shall upload scanned copy of the PAN Card, GST number duly signed and stamped. **Also bidders applying against ‘MSME/NSIC Certificate’ issued by appropriate Authority, should ensure that the certificate attached is relevant to the area of service/supply. For example, If the tender is for “supply & installation of Desktop” the certificate should be issued for activity/area of “Computer supply and services activities etc” otherwise bid will be REJECTED without notice.**
- 5) E-procurement system ensures locking on the scheduled date and time. The system will not accept any bid after the scheduled date and time of submission of bid.

C) **INSTRUCTIONS**

- a. The Online bids should be submitted directly by the original manufacturer/supplier, If

quotation is submitted/filled by any representative/agent/dealer then they must upload a authority certificate from the principal company for quoting the price otherwise such quotation will be rejected.

- b. The quantity mentioned in this inquiry is and shall be deemed to be only approximate and will not in any manner be binding on the Institute. Before the deadline for submission of the online bid, IISER Mohali reserves the right to modify the tender document terms and conditions. Such amendment/modification will be notified on website against said tender ID.
- c. The rates offered should be FOR Chandigarh/Mohali in case of firms situated outside Chandigarh/Mohali, and free delivery at the Institute premises in case of local firms. Supplier from outside India should mention the Ex-works/FOB/FCA/CIF/CIP price clearly. Conditional tenders will be summarily rejected.
- d. In case of Ex-godown terms the amount of packaging forwarding freight etc. should clearly be indicated by percentage or lump sum amount. Institute has policy not to make any advance payments towards any purchase, Letter of credit can be opened if required.
- e. THE INSTITUTE IS EXEMPTED FROM CUSTOM DUTY under notification no-TU/V/RG/-CDE(1062)/201 CUSTOM DT.30.08.2016.
- f. Tax: This Institute is not exempted from the payment of GST. The current rate (i.e. percentage of GST should be clearly indicated included or excluded) wherever chargeable. Please also provide/upload the copy of PAN card, GST number duly self-attested.
- g. Concessional GST is applicable for all the items purchased for Research labs vide Ministry of Finance, notification no. 45/22017 dated 14.11.2017 and 47/2017 dated 14.11.2017.
- h. Bidder/s quoting in currency other than **Indian Rupee (INR)** should explicitly mention the currency in which tender quoted wherever applicable in Technical Bid along the tender documents.
- i. The delivery period should be specifically stated. Earlier delivery will be preferred.
- j. The firms are requested to provide/upload detailed description and specifications together with the detailed drawings, printed leaflets and literature of the article quoted. The name of the manufactures and country of manufacture should also invariably be stated. In the absence of these particulars, the quotation is liable for rejection.
- k. Validity of offer: 90 days. The warranty period after satisfactory installation should be mentioned and firm should replace all manufacturing defect parts/ whole item under warranty without any extra cost including clearance, freight, taxes. Security deposit/ Bank Performance Guarantee @ 10 % of the value of supply order as per norms may be sought from the firms.
- l. The right to reject all or any of the quotation and to split up the requirements for itemized L-1 or relax any or all the above conditions without assigning any reason is reserved by the IISER Mohali. For any corrigendum and addendum please be checked the website <https://eprocure.gov.in/eprocure/app> and <http://www.iisermohali.ac.in>
- m. Disputes, if any, shall be subject to jurisdiction in the court of Mohali –PUNJAB only.

–sd-
(Mukesh Kumar)
Assistant Registrar (P&S)