

Punjab Engineering College
(Deemed to be University)
Applied Sciences Deptt.
Chandigarh-160012

Memo. No. AS/
Date:

Quotation Notice

Subject: Quotations for purchase of Tube Furnace

Dear Sir/Madam,

Quotations are hereby invited in respect of the item mentioned below. The quotations should be sent directly at the address mentioned below in the sealed cover with wax/transparent fixing tape duly signed in ink underneath by **speed post/courier** marked **“Quotation for purchase of Name of equipment and due date** on the top of the envelope so as to reach this office on or **before Feb.06th, 2023 by 4.00PM.**

These will be opened on **Feb 07th, 2023 at 11:00 AM** by the committee members in the presence of the bidders or their representative who may like to be present during opening of quotations. The right of acceptance or rejection of any quotation without assigning any reason is reserved. Necessary literature of the equipment may please be sent. Please quote on F.O.R PEC, Chandigarh basis. The quotations by hand will not be accepted.

Note: - The complete quotation document may be downloaded from the Institute website i.e. www.pec.ac.in.

Prof. & Head
Applied Sciences Deptt.

TERMS AND CONDITIONS

1. A Performance security of @5% of the cost of the equipment will have to be deposited by the successful bidder awarded the supply order in form of A/c payee DD or Bank Guarantee from a commercial bank which should be valid for 60 days beyond all contractual obligations.
2. The rates may include all packing/forwarding, insurance, loading/unloading, transport charges. GST/Excise Duty be mentioned separately.
3. Time period for the delivery, installation/fixing and successful commissioning of item shall be mentioned.
4. Catalogue should be sent along with supply.
5. Materials should confirm to BIS/ASTM/AFS specifications where ever applicable.
6. Only best quality should be quoted.
7. All legal disputes will be subject to Chandigarh Jurisdiction.
8. The Director PEC, Chandigarh reserves the right to reject/accept any or all quotations without assigning any reasons.
9. The firm who has been blacklisted by center/state govt/UT/Boards/Corporations/any government authority/ PEC are not eligible for the quote.
10. No advance payment will be made. Full & final payment will be released only after satisfactory receipt of goods/material/installation/fixing/successful commissioning/training to .
12. The penalty will be charged @ 0.5% per week after the expiry of time limit (delivery, installation/fixing and successful commissioning) mentioned in the purchase order.
13. All the rates will be FOR, PEC, Chandigarh.
14. The institute is a premier Education and Research Institute funded by Chandigarh Administration and therefore, discounts as applicable to Research Institute/Educational Institutes may please be offered in the quotation.
15. The bidders shall not be allowed to change, alter or modify the bids after expiry of the deadlines for the receipts of bids.
16. The firm is entirely responsible for any damage or losses occurred to the material in transit. The firm will not lodge any complaints regarding the damage occurred in the transit & shall bear all expenses/losses.
17. In a quotation, either Indian agent on behalf of the Principal/OEM or Principal/OEM itself can bid but both cannot bid simultaneously for the same quotation for the same item/ product.
18. If an agent bids on behalf of the Principal/OEM, the same agent shall not bid on behalf of another Principal/OEM in the same quotation for the same item/ product.

- 19 Bids received after the due date will not be considered.
20. The tenderer is required to bring their own testing and measurement instruments which are required for the installation, commissioning and testing. These can be taken back after completion of process.
21. Form D will not be issued.
22. The price shall be quoted in Indian Rupees only.
23. Generally the bid offer will be received /opened on the day as specified in the schedule. If the scheduled date is declared as a holiday, then the tender shall be received/opened on the next working day at the same time.
- 24 The agency shall arrange to impart training to the concerned lab staff regarding operation / maintenance of equipment free of cost.
- 25 The institute has been exempted from custom duty in terms of Government Notification No. 51/96-Customs Dated 23 July 1996 and Central Excise duty in terms of Government Notification No. 10/97-Customs Dated 01 March 1997 as amended from time to time.
- 26 The rates quoted should be valid for 90 days from the opening of tender.
- 27 The rates quoted should include warranty of 1 year.
- 28 The tenderer should give a certificate stating that all the terms & condition of this tender documents are acceptable to me/us. It should be duly signed by the tenderer.

Prof. & Head
Applied Sciences Deptt.

List of Equipments

Sr. No.	Equipment	Quantity (Nos)	Maximum Time Limits (delivery, installation/fixing and successful commissioning) (Weeks)
1.	Tube Furnace	1	6

➤ **Technical Specifications For Furnace : -**

- Tube Size In Dia.: 65mm.
- Working Temp.:1500deg.C
- Heating Element: Mosi2
- Temperature Accuracy : $\pm 2^{\circ}\text{C}$.
- Insulation: Ceramic Fiber of Zirconia grade
- Construction: Multi-walled with air insulation on the outer side for minimal skin temp.
- Control : Automatic and manual control
- Furnace Cooling : Automatic
- Temp. Controller: Microprocessor based PID Programmable controller with 8 programmable segments for precise control of heating rate, cooling rate and dwell time. Built in PID auto-tube function with overheating & broken thermocouple broken protection. Over temperature protection and alarm allows for operation without attendant.
- Vacuum and gas system: Self-expansion type double silicon ring flange, 304 stainless steel.
- HCP. Needle valve + Mechanical vacuum gauge + Discharge valve.
- Atmosphere: Stainless couplers for purging of gas with flow meter to control the fine flow.
- Mounting: The furnace should be mounted on heavy angle iron frame having vacuum pump, control unit.
- Reutilized Alumina Tube: 01nos
- Safety: Over current and short circuit protection.
Power Supply: 440 volts, 50Hz three phase AC supply

Prof. & Head
Applied Sciences Deptt.