

DEPARTMENT OF MECHANICAL ENGINEERING

INDIAN INSTITUTE OF TECHNOLOGY DELHI

Dated: August 27, 2013

Notice Inviting Quotations

Quotations are invited for the purchase of a branded vacuum oven. More details on the desired specifications are provided below.

1. Chamber volume: less than or equal to 28 liters (or 1 cubic feet)
2. Stainless steel body
3. Operation from 5°C above room temperature to 250°C.
4. Fluctuation in temperature: ± 0.1 °C at 100 °C.
5. Vacuum range: 0 to 0.1 MPa (with analog/digital vacuum gauge)
6. External dimensions not more than 680 mm x 455 mm x 500 mm.
7. Internal dimensions not less than 300 mm x 300 mm x 300 mm.
8. Glass door, which is heat tempered and spring loaded, should be provided for monitoring of samples.
9. Net weight not more than 65 kg.
10. Microprocessor based PID control/auto-tuning/calibration
11. Digital timer: 1 min to approximately 100 hrs
12. Over temperature limit protection/door opening alarm
13. Conveniently preset 3 most commonly used temperature settings without auto-tuning
14. Digital LED display (1°C resolution) with touch keypads
15. 2 stainless steel shelves of approximate thickness of 3 mm
16. Electrical requirements: ~220 V and ~5.5 A.
17. If required for maintaining vacuum, a vacuum pump should also be included in the quotation.
18. Should be equipped with necessary safety covers (e.g., steel frame with polycarbonate sheet) to prevent glass door from exploding.
19. Should be equipped with push button latch and door gasket.
20. A minimum warranty of one year from the date of installation is required.

Terms & Conditions

1. Technical and Commercial bids are required to be submitted in separate sealed envelopes. Both these envelopes can be enclosed in a single envelope which should be clearly labeled as "Quotation for Vacuum Oven".
2. Compliance chart conforming to the Technical datasheet should be attached along with technical bid. A bid without the compliance chart shall be rejected (Note: The Compliance chart should match the Technical Datasheet)
3. The Model number must be mentioned with the technical datasheet.
4. The bidder must be a reputed OEM or an authorized local agent.
5. If there is any Indian agent associated with the foreign supplier, then an appropriate "Letter of Authorization" certificate has to be provided with the quotation.
6. Validity of the quotation should be at least 120 days from the date of submission.

7. Quotation must indicate a delivery schedule, which in no case should exceed 8 weeks from the date of placement of order.
8. Please indicate the cost as FOB, IIT Delhi.
9. Payment will be made after satisfactory installation as per IIT norms.
10. Installation, commissioning and staff training expenses are to be borne by the supplier.
11. The Institute reserves the right to accept/reject any or all quotation without assigning any reason.
12. Taxes as applicable should be indicated clearly.
13. No advance payment will be possible.
14. Country of origin should be mentioned.

Sealed quotations should reach the undersigned on or before September 11, 2013 by 3:00 p.m.

Please quote best prices with appropriate discounts for academic institutions. The quotations can be sent to the undersigned:

Dr. Amit Gupta
Department of Mechanical Engineering
Indian Institute of Technology
Hauz Khas, New Delhi-110016