

**INDIAN INSTITUTE OF TECHNOLOGY DELHI
HAUZ KHAS NEW DELHI**

Date: 10/09/2015

Notice Inviting Quotation

Quotations are invited for the purchase of one **Vacuum Oven**, for the Department of Textile Technology. Interested suppliers are required to submit their quotations as per the specifications given below. The sealed Quotations are to be submitted in two Separate envelopes;

**A - for Technical Quote (Specifications) &
B - for Financial Quote
(For details, see Annexure I)**

Both these envelopes should be further enclosed in an outer envelope, which should also be sealed and addressed to, clearly mentioning on top right corner of the envelope "quotations for **Vacuum Oven**"

**Dr. Abhijit Majumdar
Associate Professor
Room No. TX-212/TX-117
Department of Textile Technology
IIT, Hauz Khas, New Delhi 110016**

The quotations should reach the above office by **3.00PM on 05/10/2015**. If needed, the suppliers may be asked to make a technical presentation/demonstration of the equipment before the committee.

Institute reserves the right to accept or reject any of the offers without assigning any reasons.

Specifications for Vacuum Oven

1. Interior capacity of the oven: 18±2 litres
2. Material of construction of interior, exterior and selves of the oven: Corrosion-resistant stainless-steel
3. Dual-wall construction with fiberglass insulation for minimum heat loss in walls
4. Specially molded silicone gasket for a positive seal
5. Shelves: at least two (02)
6. The Operating pressure range : 0.1 to 100 kPa
7. The Operating temperature range : Room temp.+6 to 250±10°C
8. Accuracy of temperature control : ±1.5°C
9. Temperature display: Digital display
10. Simultaneous LED display of setpoint and actual temperature
11. Keypad data entry

12. Temperature control: Microprocessor controlled
13. Timer: A timer to control the operation from 10 min to 100 hrs
14. Should have inert gas injection valve, fresh air inlet, vacuum exhaust port, controllable vacuum release vent port
15. The door: The oven opening must be fitted with a glass (12 ± 2 mm thickness) window
16. Safety: automatic overheating prevention (in case temperature shoots more than 10°C beyond the set temperature)
17. Heater capacity: Not more than 2 kW
18. Magnetic latch for positive door seal
19. One year warranty

Dr. Abhijit Majumdar

Envelope A: Technical Quote: The following details are to be enclosed (*Mention clearly on this envelope – **Technical Quote***)

1. Technical brochures mentioning all details with complete address of the principals.
2. A compliance chart based on the specifications as per the NIQ.
3. Any optional equipment / accessory / spares advised to be included separately.
4. Installation requirements including gases and chillers, UPS, etc.
5. List and addresses of organizations where the equipment has been supplied in last 3 years in India.
6. Details of other equipment supplied to IIT Delhi specifying the Department/ centre / lab to which the equipment was supplied. Also mention if the equipment is being maintained by your organization.
7. Address of the technical office, in India, with telephone and FAX numbers. Kindly clarify the type of support available in India.
8. If quote is for imported equipment supplied through Indian Agent, Sole Agency-ship certificate on the letterhead of the principal company, if quotation is from an Indian Agent.
9. Proprietary Item Certificate from the principals, if applicable.

Envelope B: Financial Quote: The following details are to be enclosed/ ensured. (*Mention clearly on this envelope – **Financial Quote***)

1. The quotations for the equipment in foreign exchange, if it is to be imported. The cost of spares and optional equipment/accessories to be quoted separately. The cost should be based on CIF, New Delhi. If equipment is indigenous, the quote should be in INR and all taxes applicable should be mentioned clearly.
2. Institute makes payment after delivery and successful installation. In case the payment terms are different, it should be mentioned clearly. If equipment is to be imported, the address of the company in whose name the LC is to be opened should be stated.
3. The comprehensive Warranty period.
4. The details of the AMC after the warranty period.
5. Cost for Installation and training at site, if applicable.
6. Validity of the quote should be minimum 90 days.
7. The delivery period to be clearly specified.

Specification for Vacuum Oven

1. Interior capacity of the oven: 18±2 litres
2. Material of construction of interior, exterior and shelves of the oven: Corrosion-resistant stainless-steel
3. Dual-wall construction with fiberglass insulation for minimum heat loss in walls
4. Specially molded silicone gasket for a positive seal
5. Shelves: at least two (02)
6. The Operating pressure range : 0.1 to 100 kPa
7. The Operating temperature range : Room temp.+6 to 250±10°C
8. Accuracy of temperature control : ±1.5°C
9. Temperature display: Digital display
10. Simultaneous LED display of setpoint and actual temperature
11. Keypad data entry
12. Temperature control: Microprocessor controlled
13. Timer: A timer to control the operation from 10 min to 100 hrs
14. Should have inert gas injection valve, fresh air inlet, vacuum exhaust port, controllable vacuum release vent port
15. The door: The oven opening must be fitted with a glass (12±2 mm thickness) window
16. Safety: automatic overheating prevention (in case temperature shoots more than 10°C beyond the set temperature)
17. Heater capacity: Not more than 2 kW
18. Magnetic latch for positive door seal
19. One year warranty