

Indian Institute of Technology Delhi
Hauz Kaus, New Delhi 110016

Notice Inviting Quotation

Dated: 02.09.2013

Quotations are invited for the purchase of the following item:

S.No.	Item
1.	Climate Chamber

TECHNICAL SPECIFICATIONS FOR CLIMATE CHAMBER

1. Temperature Range: 10°C to 60°C or higher
2. Temperature sensitivity: +/-1°C or better
3. Relative Humidity Range: 40% to 95%; should be attainable at every point of the specified temperature range
4. Relative Humidity Sensitivity: +/- 2 % or better
5. Internal Capacity: 200 liters or higher
6. No. of adjustable shelves: At least 3 (15 kg supporting capacity for each)
7. Limiting Outer Width: up to 800 mm
8. Internal body type: Double walled
9. Internal body material: at least SS 304 grade
10. External body material: Powder coated CRCA or Stainless Steel
11. Insulation material: CFC free polyurethane foam (PUF)
12. Heating arrangement: SS tubular heaters
13. Refrigerant: CFC free / Ozone friendly
14. Humidification: Droplet free water vapor generation arrangement
15. Dehumidification: Refrigerant based.
16. Air Circulation: Forced air circulation in internal chamber to enable uniformity of temperature and Relative Humidity
17. Illumination: At least 8W Fluorescent or Incandescent lamp
18. Power requirement: Single phase, 220-240 V, 50 Hz.
19. Sensor: Capacitance type sensor for temperature and humidity
20. Controller: Microprocessor controller with LCD display of set and actual conditions and battery backup
21. Data logging:
 - i. Recording of Temp. & Relative Humidity for at least 24 hr duration
 - ii. Histogram display of recorded data through controller.
 - iii. Port interfacing with printer
 - iv. Recording of power failure and resumption date and time
22. Safety systems:
 - i. Low water level alarm and power cut off

- ii. Overload cut off relay for compressor
- iii. Alarm in case of door open
- iv. High temperature safety cut off & alarms for high/low set parameters

TERMS AND CONDITIONS:

1. The quotations in a sealed envelope should reach the undersigned before 5:00 p.m. on 17.09.2013. Separate quotations should be submitted for “TECHNICAL BID” and “FINANCIAL BID” in two separate envelopes and marked clearly as “Quotations for Climate Chamber”
Name: Dr. Shashank Bishnoi
Address: Department of Civil Engineering
Indian Institute of Technology Delhi
Hauz Khas, New Delhi-110016
2. Special discount/rebate wherever admissible keeping in view that the supply is being made for “Educational Purposes”.
3. Supplier shall fully warrant that the item supplied under the order shall be new and first quality.
4. Detailed specifications in the order furnished above along with catalogue/literature and authorisation certificate of the quoted item should be supplied.
5. The institute reserves the right to accept/reject all/any quotations without assigning any reason thereof.
6. Delivery period should be clearly indicated in the quotation. (Preferably within 4 to 6 weeks from the date of order)
7. Submitted quotations should clearly mention the validity period, preferably for a minimum of 3 months.
8. Incomplete and conditional submitted tenders would be summarily rejected.
9. Necessary certificate should be enclosed by the vendor in case of proprietary nature of the quoted items.
10. Quoted prices must include all transportation/installation charges and applicable discounts and taxes.
11. Quoted prices must include a comprehensive warranty of at least 1 year.
12. Vendors are requested to provide a list of customers using the equipment
13. Payment will be made after satisfactory installation as per IIT norms

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