

**Department of Civil Engineering
Indian Institute of Technology Delhi
Hauz Khas, New Delhi 110016**

Notice Inviting Quotations

Dated: 27 Mar 2015

Quotations are invited for the purchase of the following items:

Item	Quantity
Temperature and Humidity Controlled Carbonation Chambers	2

Technical Specifications:

S.No.	Specifications	Requirement
1.	Inner dimension of chamber	600 mm x 700 mm x 950 mm or larger
2.	Humidity Range	40% to 95% RH or better
3.	Stability of humidity	±2% or better
4.	Temperature range	10°C to 60°C (+/- 1 °C) (Both cooling and heating must be provided)
5.	Temperature stability	±1°C
6.	Temperature and Humidity control	Electronic Controller displaying Temperature and Humidity Directly
7.	CO ₂ Concentration Range	0 – 10 %
8.	Power supply	1/3 Phase AC
9.	Loading Trays/Removable Shelves	At least 4 nos. with 80 kg load capacity each
10.	Outer Front Door	Double Walled, Insulated and fitted with magnetic tape for air tight closing for no temperature loss, to be provided with lock and key arrangement.
11.	Inner glass door	Inner glass door with magnetic gasket to allow inspection of samples without disturbing the temperature of the cabinet
12.	Insulation	High grade insulation for minimal thermal loss between outer and inner chamber
13.	Fan system	Fan system must be provided to ensure uniformity of temperature, humidity and CO ₂ concentration.
14.	Construction	The chamber should be manufactured from high quality stainless steel or equivalent durable materials.
15.	Safety features	Under & over temperature protection, Circuit breaker, Thermal overload relay for Fans and Compressor, Safety alarm for chamber malfunction must be provided as standard.
16.	Display	Measured and set value of temperature, humidity and CO ₂ concentration must be displayed

		electronically
17.	External Storage tank	For demineralised/distilled water must be provided
18.	Drain	For condensate and cleaning water must be provided
19.	User Guide	Soft and hard copies of technical, operation and maintenance manual must be provided
20.	Toolbox	A toolbox with all necessary tools must be provided
21.	Warranty	A 1 year comprehensive warranty must be included
22.	Wheels	Whole unit should be mounted on wheels for easy portability

TERMS AND CONDITIONS:

- All quotations should be submitted before 5:00 p.m. On 21.04.2015. Separate quotations should be submitted for “TECHNICAL BID” and “FINANCIAL BID” in two separate envelopes and marked clearly as “Compression Testing Machines”:
Name: Dr. Shashank Bishnoi
Address: Department of Civil Engineering
Indian Institute of Technology Delhi
Hauz Khas, New Delhi-110016
Email: bishnoi@iitd.ac.in
- Special discount/rebate wherever admissible keeping in view that the supplies is being made for “Educational Purposes”.
- Supplier shall fully warrant that all the materials supplied under the order shall be new and first quality.
- Detailed specifications, catalogue/literature and authorisation certificate of all items quoted should be supplied with quotation.
- The institute reserves the right to accept/reject all/any quotations without assigning any reason thereof.
- Delivery period should be clearly indicated in the quotation.
- Submitted quotations should clearly mention the validity period, preferably for a minimum of 3 months.
- Incomplete and conditional submitted tenders would be summarily rejected.
- Necessary certificates should be enclosed by the vendor in case of proprietary nature of the quoted items.
- Prices quoted in foreign currencies and/or cases requiring import must quote prices on both CIF and FOB basis.
- Quoted prices must include all transportation/installation charges and applicable discounts and taxes.
- Quoted prices must include a comprehensive warranty of at least 1 year. All taxes and charges must be clearly mentioned.
- Prices for Annual Maintenance Contracts including any applicable discounts for educational use of the equipment for a period of 3 years from the date of installation of the equipment at IIT Delhi should be quoted in a separate sheet within the financial bid.