

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

Notice Inviting Quotations

Dated: 27/03/2015

Quotations are invited for the purchase of the following items:

SI No.	Items	Quantity
1	50 kN Compression Testing Machine	1
2	500 kN Compression Testing Machine	1

The technical specifications were prepared for the purchase of Item 1 as below.

Sl. No	Specifications	Requirement
	Purpose	The machine shall be capable of testing specimens made of materials such as concrete and mortar. It shall be used in the laboratory for basic compression testing conforming but not limited to IS: 516 and IS : 14858.
1.	Capacity	50 kN or higher
2.	Least Count	0.002 kN or better
3.	Loading Range	5kN – 50kN or better
4.	Accuracy	+/- 1% of applied load or better
5.	Maximum distance between Platens	390mm or higher
6.	Maximum distance between side Platens	260mm or higher
7.	Piston Stroke	50mm or higher
8.	Power	1/3 Phase AC
9.	Pump	Hydraulic Pump
10.	Load Frame	Shall be robust channel design with protection door
11.	Controller	Automatic rate control must be present
12.	Display	Digital display with peak load, peak stress and unique identity number must be displayed in a digital display
13.	Control Switches	Switches for Start, Stop, Pause and Reset should be individually provided.
14.	CVT	Must be provided to ensure constant voltage to digital indicator.
15.	Data Storage	Minimum 1500 data records to be stored at a time
16.	Data Download	Must be able to download the data to computer with help of any standard communication port (USB, RS-232, etc.)
17.	Safety	Must automatically switch off at full capacity
18.	Calibration	Must be capable of calibrating on-site. NABL

		calibration up to 50kN
19.	Warranty	Comprehensive warranty coverage of minimum 1 year.
20.	Manuals	Hard and soft copies of complete operation manuals to be provided
21	Current Installations	The vendor must have installed compression testing machines in at least 5 other government laboratories and 5 testing laboratories of reputed cement manufacturers in the last 5 years. A list of these installations with contact information must be provided.

The technical specifications were prepared for the purchase of Item 2 as below.

Sl. No	Specifications	Requirement
	Purpose	The machine shall be capable of testing specimens made of materials such as concrete and mortar. It shall be used in the laboratory for basic compression testing conforming but not limited to IS: 516 and IS : 14858.
1.	Capacity	500 kN or higher
2	Least Count	0.02 kN or better
3.	Loading Range	50kN – 500kN or better
4.	Accuracy	+/- 1% of applied load or better
5.	Maximum distance between Platens	435 mm or higher
6.	Maximum distance between side Platens	260 mm or higher
7.	Piston Stroke	50 mm or higher
8.	Power	1/3 Phase AC
9.	Pump	Hydraulic Pump
10.	Load Frame	Shall be robust channel design with protection door
11.	Controller	Automatic rate control must be present
12.	Display	Digital display with peak load, peak stress and unique identity number must be displayed in a digital display
13.	Control Switches	Switches for Start, Stop, Pause and Reset should be individually provided.
14.	CVT	Must be provided to ensure constant voltage to digital indicator.
15.	Data Storage	Minimum 1500 data records to be stored at a time
16	Data Download	Must be able to download the data to computer with help of any standard communication port (USB, RS-232, etc.)
17.	Safety	Must automatically switch off at full capacity
18.	Calibration	Must be capable of calibrating on-site. NABL

		calibration up to 500 kN
19.	Warranty	Comprehensive warranty coverage of minimum 1 year.
20.	Manuals	Hard and soft copies of complete operation manuals to be provided
21	Current Installations	The vendor must have installed compression testing machines in at least 5 other government laboratories and 5 testing laboratories of reputed cement manufacturers in the last 5 years. A list of these installations with contact information must be provided.

TERMS AND CONDITIONS:

1. 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
2. Special discount/rebate wherever admissible keeping in view that the supplies is being made for “Educational Purposes”.
3. Supplier shall fully warrant that all the materials supplied under the order shall be new and first quality.
4. Detailed specifications, catalogue/literature and authorisation certificate of all items quoted should be supplied with quotation.
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.
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 certificates should be enclosed by the vendor in case of proprietary nature of the quoted items.
10. Prices quoted in foreign currencies and/or cases requiring import must quote prices on both CIF and FOB basis.
11. Quoted prices must include all transportation/installation charges and applicable discounts and taxes.
12. Quoted prices must include a comprehensive warranty of at least 1 year. All taxes and charges must be clearly mentioned.
13. 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.