



# M. L. V. Textile & Engineering College, Bhilwara

(An autonomous institute of Government of Rajasthan)

मा. ला. वर्मा टेक्सटाइल व इंजीनियरिंग कॉलेज, भीलवाड़ा

(राजस्थान सरकार का स्वायत्तशासी संस्थान)

[A Participant Institution of Technical Education Quality Improvement Program (TEQIP) – III under Subcomponent 1.1]

## INVITATION FOR QUOTATION

TEQIP-III/2018/mteb/Shopping/14/

12-Feb-2018

To,

### Sub: Invitation for Quotations for supply of Goods

Dear Sir,

1. You are invited to submit your most competitive quotation for the following goods with item wise detailed specifications given at Annexure I,

Sr. No	Brief Description	Quantity	Delivery Period(In days)	Place of Delivery	Installation Requirement (if any)
1	Automatic Compression Testing Machine 300 T	1	40	MLV Textile & Engineering College, Pur Road, Bhilwara 311001 (Raj.)	Yes

2. Government of India has received a credit from the International Development Association (IDA) towards the cost of the **Technical Education Quality Improvement Programme [TEQIP]-Phase III** Project and intends to apply part of the proceeds of this credit to eligible payments under the contract for which this invitation for quotations is issued.
3. Quotation,
  - 3.1 The contract shall be for the full quantity as described above.
  - 3.2 Corrections, if any, shall be made by crossing out, initialing, dating and re writing.
  - 3.3 All duties and other levies payable by the supplier under the contract shall be included in the unit price.
  - 3.4 Applicable taxes shall be quoted separately for all items.

- 3.5 The prices quoted by the bidder shall be fixed for the duration of the contract and shall not be subject to adjustment on any account.
- 3.6 The Prices should be quoted in Indian Rupees only.
4. Each bidder shall submit only one quotation.
5. Quotation shall remain valid for a period not less than **55** days after the last date of quotation submission.
6. Evaluation of Quotations,  
The Purchaser will evaluate and compare the quotations determined to be substantially responsive i.e. which
- 6.1 are properly signed ; and
- 6.2 confirm to the terms and conditions, and specifications.
7. The Quotations would be evaluated for all items together.
8. Award of contract:  
The Purchaser will award the contract to the bidder whose quotation has been determined to be substantially responsive and who has offered the lowest evaluated quotation price.
- 8.1 Notwithstanding the above, the Purchaser reserves the right to accept or reject any quotations and to cancel the bidding process and reject all quotations at any time prior to the award of contract.
- 8.2 The bidder whose bid is accepted will be notified of the award of contract by the Purchaser prior to expiration of the quotation validity period. The terms of the accepted offer shall be incorporated in the purchase order.
9. Payment shall be made in Indian Rupees as follows:  
**Delivery and Installation - 90% of total cost**  
**Satisfactory Acceptance - 10% of total cost**
10. All supplied items are under warranty of **36** months from the date of successful acceptance of items.
11. You are requested to provide your offer latest by **12:30** hours on **28-Feb-2018** .
12. Detailed specifications of the items are at Annexure I.
13. Training Clause (if any) **Yes**
14. Testing/Installation Clause (if any) **Yes**
15. Information brochures/ Product catalogue, if any must be accompanied with the quotation clearly indicating the model quoted for.
16. Sealed quotation to be submitted/ delivered at the address mentioned below,  
**Principal**  
**MLV Textile and Engineering College**  
**Pur Road Pansal Chauraha**  
**Bhilwara 311001 (Raj.)**
17. We look forward to receiving your quotation and thank you for your interest in this project.

(Authorized Signatory)  
Name & Designation



## Annexure I

Sr. No	Item Name	Specifications
1	Automatic Compression Testing Machine 300 T	<p><b>General Specifications</b></p> <p>Automatic Compression Testing Machine should be capable of conducting compression tests on steel bars and concrete specimens (Cubes and Cylinders) and allied products as per IS: 516/IS: Part 6: 1988/ASTM C 39 and conforms to requirement of IS : 14858 -2000. This compression Testing Machine are state of the art machines based on the principle of CLOSE LOOP. The system can be loaded in load/stress control basis. The system accuracy should be better than +/-1% of indicated value of load. A special type of 4 piece oil filled spherical seating should be provided conforming to IS : 14858-2000. The system has an arrangement for automatic pacing system based on closed loop feed back principle, which should be achieved by the combination of advance hydraulic and electronic system. Control signal from the electronic system should be passed on to the control drive of the motor through the P.I.D. Controller which in turns control the flow to the hydraulic ram thereby keeping the pace rate within +/- 2% of the pre programmed value</p> <p><b>Expected Features:</b></p> <ul style="list-style-type: none"> <li>• Conforming to Testing Procedures laid down in IS: 516/IS: 4031: Part 6: 1988/ASTM C39 for concrete specimen.</li> <li>• Machine conforming to IS : 14858.</li> <li>• Microprocessor based touch panel graphic display to control the machine operation and display of data.</li> <li>• Programmable rate of loading (Pace rate) and other sample parameters.</li> <li>• Real time display of load and peak load value with pace rate deviation bars.</li> <li>• Inching/fast lift operation to adjust gap between sample and upper platen.</li> <li>• Automatic release facility after sample failure</li> <li>• Automatic strength calculation and display</li> <li>• Peak stress calculation based on sample type, shape and dimensions</li> <li>• Storing of results in user defined file with sample parameter and other details</li> <li>• Transfer of result sheet to USB drive for printing and further analysis</li> <li>• Safety limits for Over Load and Over Displacement ranges.</li> </ul> <p><b>Technical specifications:</b></p>

The complete system consists of Load Frame, Hydraulic Pumping Unit, Microprocessor based touch panel display and control system & various height spacers to accommodate different size specimen.

1. **Load Frame:** Load frame should be steel welded fabricated structure. It should be designed to withstand a few million times of full cycles of loading without any sign of distortion or fatigue. These frames are light in weight. The base carries a fine finished hydraulic ram and the lower platen.

The top plate has the oil filled spherical seating to take care of any irregularity of the specimen surface or slight misplacement of the specimen from the central position. Front cover should be provided as a protection to the operator while at the same time giving an un-obstructive view of the specimen under test. Proximity switch/ limit switch should be provided as safe guard against over travel.

- Capacity of the frame : 3000 kN
- Vertical clearance (Clearance between platens) : 340 mm
- Horizontal clearance (Distance between side plates) : 400 mm
- Travel of the Ram : 50 mm
- Platen size : 300 mm diameter

2. **Hydraulic Pumping System:** Hydraulic pumping system, housed in an elegant console for low noise, consists of multi plunger pump driven by a suitable servo motor operated on 220 V, Single Phase, 50 Hz. This pump gives a continuous non pulsating oil flow to the ram of the loading frame. Pressure switch should be provided for additional safety against over load. Release valve should be also placed at a convenient location to release the load manually after sample failure.

3. Microprocessor based Touch panel display & Control system Control system provides the digital servo control, Ramp generation for the machine, data acquisition etc. for the continuous operation of the system

### **Specification of Control Unit**

Automatic pace rate control as programmed in the Control Channel

- Load ranges 0 -3000 kN
- Least count 0.5 kN
- Supply input : 220-240 VAC, 50 Hz

Expected features

- Menu Driven Interface
- Facility to perform various operations such as TARE, PROGRAMMING, START, STOP Etc. from touch panel display
- Programmable rate of loading (Pace rate) and sample parameters (Shape, Dimension etc.) through touch panel display

		<ul style="list-style-type: none"><li>• Standalone system to operate the machine (Start, stop and hold) without computer</li><li>• Microprocessor based touch panel graphic display to control the machine operation and display of data</li><li>• Fully automated operation to start, stop and hold loading with automatic pace rate control from 1-10 kN/sec..</li><li>• Automatic strength calculation and display</li><li>• Automatic pace rate control at preset value with pace deviation bar.</li><li>• On-Line display of Load and Peak load with recording of peak load along other sample details</li><li>• Peak stress calculation based on sample type, shape and dimensions</li><li>• Configurable Engineering Units for machine selection</li><li>• Storing of results in user defined file with sample parameter and other details</li><li>• Real time clock check to keep automatic track of the date, time and runs</li><li>• Test results can be stored in the electronic unit with unique record no. and can be retrieved and transferred to USB drive for printing</li><li>• Transmission of Data to computer through Ethernet/USB/RS232 Port. A long with desktop computer with licensed supporting version of Windows-64bit and machine software, printer &amp; UPS.</li></ul>
--	--	--

## FORMAT FOR QUOTATION SUBMISSION

(In letterhead of the supplier with seal)

Date: \_\_\_\_\_

To:

\_\_\_\_\_  
\_\_\_\_\_

Sl. No.	Description of goods (with full Specifications)	Qty.	Unit	Quoted Unit rate in Rs. (Including Ex Factory price, excise duty, packing and forwarding, transportation, insurance, other local costs incidental to delivery and warranty/ guaranty commitments)	Total Price (A)	Sales tax and other taxes payable	
						In %	In figures (B)
<b>Total Cost</b>							

Gross Total Cost (A+B): Rs. \_\_\_\_\_

We agree to supply the above goods in accordance with the technical specifications for a total contract price of Rs. \_\_\_\_\_

— (Amount in figures) (Rupees \_\_\_\_\_ amount in words) within the period specified in the Invitation for Quotations.

We confirm that the normal commercial warranty/ guarantee of \_\_\_\_\_ months shall apply to the offered items and we also confirm to agree with terms and conditions as mentioned in the Invitation Letter.

We hereby certify that we have taken steps to ensure that no person acting for us or on our behalf will engage in bribery.

Signature of Supplier

Name: \_\_\_\_\_

Address: \_\_\_\_\_

Contact No: \_\_\_\_\_