



**INVITATION FOR QUOTATION**

Our Ref No.: DBATU/Civil Engg. /Hydraulics Lab Equipment's/2020/1632

Date: 22/10/2020

Quotation for Supply of *Hydraulics Lab Equipment's*

Due On: 11/11/2020

Date of Opening: 12/11/2020

Time: 3.00 pm

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To,

**Sub: QUOTATION FOR THE SUPPLY OF *Hydraulics Lab Equipment's***

Dear Sir,

Your quotation for the items listed overleaf, may please be submitted to the under signed, so as to reach this Office not later than 12/11/2020. While submitting your quotation, the following procedure may please be observed and other points borne in mind.

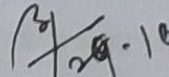
01. The maker's name must be specified.
02. The "Terms and Conditions" for supply and delivery of stores, should be clearly indicated in the quotation, stating whether rates are, inclusive of all taxes, Packing and forwarding charges Freight charges, etc. or not, however rates offered as including all taxes will be more welcome.
03. If packing and forwarding charges are to be charged separately, it should be so clearly stated in your quotation.
04. Please mention clearly whether consignment would be Ex-Godown, Ex-Shop, of F.O.R. dispatching stations. Preferably terms offered as "Delivery of consignment of stores, on F.O.R.
05. Envelope should be clearly marked with our reference No and date of this quotation. It should also be superscripted as per the format given above.
06. The quotation would be opened as per date and timing given above, if desired by you, you may depute an authorized representative with a letter of authority to be present at the time of opening of the quotation at this Office on the aforesaid day, date & time.
07. Your quotation must be valid for a minimum 30 (Thirty) working days from the date of it's opening.
08. Quotation received after the date of opening may not be taken into consideration.
09. Items tendered should confirm to the specification shown in the attached list when and where, full or no specifications are indicated against items in the list. Kindly furnish your full specification in accordance with accepted standards against each item tendered. Where reference to catalogue is made, the relevant catalogues/ Pamphlets/ Literature should accompany the quotation.
10. Your quotation should be for all new items and not for second hand and should be submitted as per standard format of Quotation Submission attached herewith.
11. Please state whether items will be available Ex-Stock. If not the minimum period for delivery, or for supplying the items or stores.
12. It should be clearly stated whether **GST, Insurance, Freight or packing** and forwarding charges, or any other taxes and duties, etc. leviable.
13. It would be appreciated if illustrated catalogues/Literature etc is furnished with the quotation.

14. Expression to as "Complete with standard Equipment" complete with standard accessories "Equipment to" As good as should be avoided. If at all their use is unavoidable then it should be very specifically indicated as to what exactly they mean and what exactly would be supplied under them. Any ambiguity or vagueness should be avoided.
15. For convenience, kindly adopt while quoting the same serial Nos. as given in the list detailed below.

Thanking You.

Yours faithfully,

o/c

  
Registrar

Dr. Babasaheb Ambedkar Technological  
University,

### List of Items

Sr. No.	Description / Specification	Make	Approx. Qty.
01	Technical Specifications of <i>Hydraulics Lab Equipment's</i> are attached as a separate sheet	-	-

## Technical Specifications for Hydraulics Lab Equipment's

Sr. No	Name of Equipment's	Specification	Qty.
1	Red Wood Viscometer	<ul style="list-style-type: none"> <li>• Used to determine viscosity of all oils not more than 2000 sec at test Temperature</li> <li>• The viscometer consists of heavily silver-plated brass oil cup with precision stainless steel jet assembled in chromium plated bath fitted with a heating tube &amp; cub assembly is mounted on a stand with levelling feet.</li> <li>• Unit must be supplied complete with silver plated ball valve, spirit level and cover, thermometer clip and receiver of capacity 50ml.</li> <li>• Suitable for Operations on 220V, 50Hz, Single Phase AC Supply.</li> <li>• Thermometer IP 8C, Range 0 to 45° C</li> <li>• Thermometer IP 9C, Range 40° C to 85° C</li> <li>• Thermometer IP 10C, Range 46° C to 122° C</li> </ul>	1
2	Pressure & flow Measurement Test Rig	<ul style="list-style-type: none"> <li>• Piezometer- material acrylic</li> <li>• Single limb Manometer- material acrylic</li> <li>• U Tube Manometer- material acrylic</li> <li>• U tube Differential manometer- material acrylic</li> <li>• Inverted U tube Differential manometer- material acrylic</li> <li>• Micro Manometer- material acrylic</li> <li>• Inclined tube manometer- material acrylic</li> <li>• Bourden Pressure gauge</li> <li>• Storage tank –material PVC</li> <li>• Flow measuring tank</li> <li>• Rota meter- material acrylic, range 0- 2000 LPH</li> <li>• Water meter- Analog</li> <li>• Air Blower</li> <li>• Air Bulb valve for air removal</li> <li>• Mercury in manometers.</li> <li>• Mono-block pump: 1-phase 1/2 HP, Make: Crompton Greaves or Equivalent.</li> <li>• Digital stop watch.</li> <li>• PVC pipes with valves.</li> <li>• Frame: Made of M.S. square tubes &amp; sheets, welded &amp; powder coated</li> <li>• Necessary electrical wiring with on / off switch &amp; indicators.</li> <li>• M.S. Stand with Necessary Accessories, Operation Manual etc.</li> </ul>	1
3	Impact of Jet Apparatus	<ul style="list-style-type: none"> <li>• Sump tank: Made up of PVC material having Capacity: 100 Litres (Approx.), Make: Sintex.</li> <li>• Mono-block pump: 1-Phase, ½ HP, Make: Crompton Greaves.</li> <li>• Measuring Tank: 25 Litres, Material: Rota mould, Make: Aristo.</li> <li>• Transparent Cylinder with nozzle of 10 mm dia. (approx.).</li> <li>• Two test plates (vanes)</li> <li>• Flat, conical, Hemispherical, which can be fitted on the weight beam</li> <li>• Piping: PVC piping with valves</li> <li>• Digital stop watch</li> <li>• Frame: Made of M.S square tubes &amp; sheets, welded &amp; powder coated.</li> <li>• Necessary electrical wiring with on / off switch &amp; indicators</li> </ul>	1
4	Centrifugal Pump Test Rig (Variable Speed)	<ul style="list-style-type: none"> <li>• Centrifugal pump: Rating: 1 HP, Flow: 60 LPM</li> <li>• Size: 1" X 1" Make: Kirloskar</li> <li>• Pressure Gauge: Capacity: -1 Bar, Size: - 4", back connection</li> <li>• Vacuum Gauge: Capacity: -760mm of Hg, Size: - 4" Back connections</li> <li>• Wattmeter: Digital AC Wattmeter, Rating: 1 Phase, 230V, 5A</li> <li>• Sump tank: Capacity: - 200 litres</li> <li>• Measuring Tank: Capacity: - 72.5 Litres</li> <li>• 1 Phase DC Motor with Drive Capacity: 1 HP, RPM: 2880</li> <li>• Proximity Inductive Sensor: Type: PNP NO</li> <li>• Digital RPM Indicator</li> </ul>	1

Technical Specifications Shown above are checked and verified by the Technical Committee of the Department

*GA*  
16/10/20  
User

*[Signature]*  
Member

*[Signature]*  
Head, DoCE

**Format of Quotation Submission**  
(In Letter Head of Supplier with seal)

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

To, \_\_\_\_\_  
\_\_\_\_\_

Sr. 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)	GST 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: \_\_\_\_\_