



# तेजपुर विश्वविद्यालय / TEZPUR UNIVERSITY

(केंद्रीय विश्वविद्यालय / A Central University)

- कुलाध्यक्ष का सर्वोत्तम विश्वविद्यालय पुरस्कार, 2016 और एनआईआरएफ भारत रैंकिंग 2016: नं. 05
- Visitor's Best University Award, 2016 and NIRF India Ranking 2016: No. 05

कुल सचिव का कार्यालय / OFFICE OF THE REGISTRAR

तेजपुर-784028 :: असम / TEZPUR-784028 :: ASSAM

## SHORT QUOTATION NOTICE

TU/11-24/PUR/QTN/2016-17/2439-A Date: 20.09.2016.

Sealed quotations are invited from reputed manufacturers/authorized dealers/vendors for supply & installation of following equipment required for the Department of Civil Engineering, Tezpur University.

### List of Instruments for Environmental Laboratory

Sl. No	Name of the Instrument with specification
1	KEL PLUS Microprocessor Based Six Place Graphical Macro Block Autosequencing Automatic PC Compatible Digestion System with digital LCD display & Data logger(Suitable for plants, soils, water, food & feed, Fertilizers & pesticides)

(Preference will be given to Manufacturers having NABL accredited laboratory and having office at Guwahati who can handle service calls).

### List of the Instrument for Transportation Eng. Laboratory

Sl. No	Name of the Instrument with specification
1	<b>CBR Mould</b> A mould of 150 mm IS x 175 mm high with clamping lugs completed with extension collar and perforated base plate (Gunmetal).
2	<b>CBR Mould</b> A mould of 150 mm IS x 175 mm high with clamping lugs completed with extension collar and perforated base plate made of Mild Steel.
3	<b>Hand gloves (Leather)</b>
4	<b>Constant Volume Mould</b> Constant volume mould 100 mm x 350 mm long Suitable for 100 mm dia x 200 mm long specimen, the mould is supplied with two 100 mm dia x 75 mm long end plugs, split collar and a 350 mm long ejecting plunger.
5	<b>Beakers (Borosilicate Glass)</b> 4000 ml.
6	<b>For Marshal apparatus Compression Proving Ring</b> having capacity of 50 kN compatible to HF 64.05
7	<b>Centrifuge Extractor</b> <ul style="list-style-type: none"><li>• Compact with inbuilt dimmerstat for speed variation from 0 rpm to 3600 rpm.</li><li>• Each unit is supplied complete with a set of 25 Filter Paper Discs.</li><li>• Suitable for operation on 220 V, 50 Hz, Single Phase, AC supply.</li></ul>
8	<b>For Sieving:</b> <ul style="list-style-type: none"><li>6.3 mm (30 cm dia. sieve)</li><li>9.5 mm (30 cm dia. sieve)</li><li>11.2 mm (30 cm dia. sieve)</li><li>13.2 mm (30 cm dia. sieve)</li><li>19 mm (30 cm dia. sieve)</li><li>22.4 mm (30 cm dia. sieve)</li><li>31.5 mm (30 cm dia. sieve)</li><li>50 mm (30 cm dia. sieve)</li><li>53 mm (30 cm dia. sieve)</li></ul>



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	80 mm (30 cm dia. sieve)
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### List of the Instrument for Structural Eng. Laboratory

Sl. No	Name of the Instrument with specification	
1.	i) <b>Electronic Balance</b> , Capacity 6 kg x 0.1g, Pan Size 240 x 210 mm	
	ii) <b>Electronic Balance</b> , Capacity 30kg x 5 g, Pan Size 290x210 mm	
2	<b>Mould for concrete</b> IS: 10086: 1982 Cube mould: Cast iron, size: (150 mm x 150mm x 150 mm)	
3	<b>Cube mould for mortar</b> , Cast Iron: IS: 10086: 1982 (70.6 mm x 70.6 mm x 70.6 mm)	
4	<b>Vicat's apparatus</b> IS: 5513 (Ref: IS 2542, part-2) with Vicat mould glass base plate, initial setting time needle, Final setting time needle, consistency plunger, mild steel base plate, Vicat's mould split type with clamping ring.	
5	Laboratory trolley	
6	<b>Le-Chatelier apparatus:</b>  IS: 5514	(i) Le-Chatelier Mould for soundness of cement
		(ii) Extensibility of mould apparatus for soundness of cement
		(iii) Le-Chatelier Flask for density measurement (IS:4031 Part 11)
7	<b>Laboratory Cement Autoclave</b> (Ref. IS:4031 (Part-3)) <i>Specifications</i> <ul style="list-style-type: none"> <li>• Working Pressure: 21+ 1kg/cm<sup>2</sup> at 215<sup>0</sup>C</li> <li>• Pressure Vessel : ID 150 mm x Depth 500 mm</li> <li>• Weight : 70 Kg</li> <li>• Heater : 2000 watts</li> <li>• Supply : 220V, 50Hz, 1 Phase</li> </ul> Panel mounted PID controller with international safety certifications.	
8	<b>Concrete core cutter</b>	<b>Core case</b> <i>Specifications</i> <ul style="list-style-type: none"> <li>• Electrical drill for core case</li> <li>• Feed assembly</li> <li>• Hammer drill 8 mm</li> <li>• Anchor bolts</li> <li>• Rubber coupling for core case</li> <li>• Clamp for holding water jacket</li> <li>• Nut and bolts</li> <li>• Suitable for operation on 220 V, 50 Hz, Single Phase, AC supply.</li> </ul>
		• Core bit and water jacket 25 mm x 75 mm long
		• Core bit and water jacket 25 mm x 100 mm long

### List of the Instruments for Geotechnical Eng. Laboratory



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Sl. No	Name of the Instrument with specification	
1	<b>Following Accessories of Relative Density Apparatus compatible to AIM 115</b>	(i) Surcharge Weight for AIM 11502. The total weight together with AIM 11504 & AIM 11505 is equivalent to 140 g/cm <sup>2</sup> for the mould being used.
		(ii) Guide Sleeve with clamp assembly for AIM 11502
2	<b>For Compaction Test Apparatus for manual light compaction Compatible to AIM 110</b>	(i) Compaction mould, complete with Collar and Base Plate, made of Gunmetal, 100 mm ID, 127.3 mm height, 1000 ml volume.
3	<b>Hydraulic Jack 100kN Capacity with Gauge &amp; Hand Pump</b> Along with High Pressure Flexible Hose, 5m long, metallic	
4	<b>Proving Ring</b> of 50 kN capacity	
5	<b>Dial Gauges</b> (Ranges: 0-25 mm)	
6	<b>Specific Gravity Bottle</b> (50 ml & 100 ml)	
7	<b>Pycnometer</b>	
8	<b>Hydrometer</b> (Range: 0.995 to 1)	
9	<b>For Sieving:</b>	6.3 mm (20 cm dia. sieve)
		5.6 mm (20 cm dia. sieve)
		2.36 mm (20 cm dia. sieve)
		1.7 mm (20 cm dia. sieve)
		1.18 mm (20 cm dia. sieve)
		500 Micron (20 cm dia. sieve)
		180 Micron (20 cm dia. sieve)
		90 Micron (20 cm dia. sieve)
		45 Micron (20 cm dia. sieve)

### List of the Instruments for Hydraulics Eng. Laboratory

Sl. No	Name of the Instrument with specification
1	<p><b>EXPERIMENTAL FLUME(100 X 300)</b></p> <p><b>Experiments to perform:</b></p> <ul style="list-style-type: none"> <li>-Uniform and non-uniform discharge</li> <li>-flow formulae</li> <li>-hydraulic jump</li> <li>-energy dissipation</li> <li>-flow over control structures</li> </ul> <p>: weirs(sharp-crested, broad-crested, ogee-crested)</p> <p>: discharge under gates</p> <p><b>Technical Data:</b></p> <p>Experimental Section</p> <ul style="list-style-type: none"> <li>- Length:3m(test section)</li> <li>- Flow cross section W x H: 100 x 300mm</li> <li>- Inclination adjustment: -0.5...+3%</li> <li>- Tank :300L</li> </ul>



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- Flow bed: Stainless Steel Pump - power consumption: 1kW - flow rate: 20m <sup>3</sup> /h - Head: 12m Flow rate measuring range: 0-10m <sup>3</sup> /h Accessories - Venturi flume, Parshal flume - sluice gate - weirs (sharp-crested, broad-crested, ogee-crested) - Level gauges for measuring water depth
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## GENERAL TERMS & CONDITIONS:

1. No separate tender paper will be issued from the office; one should only download the specifications/List from the website.
2. **The rates should be preferably quoted in Indian Rupee and FOR Tezpur University, Napaam basis. Charges for clearing and transportation should be incurred by the supplier.**
3. *Quotations should be accompanied by i) An EMD (in the form of Demand Draft/Call Deposit/TDR) of ₹. 5000/- (Rupees Five Thousand) only drawn/pledged in favor of Registrar, Tezpur University, payable at Tezpur. **No request for consideration of earlier deposited EMD will be considered.** ii) A non refundable application (quotation) fee of ₹.1000.00 (Rupees One Thousand) only have to be paid only by Demand Draft drawn in favour of Registrar, Tezpur University payable at Tezpur.*
4. The rates should be exclusive of taxes and applicable tax % should be clearly indicated.
5. Quoted rates should be valid at least for a period of 01 year.
6. The rates should be quoted along with supporting documents of specifications and technical features and list of users.
7. All the quotations must be accompanied with supporting documents and / or literature.
8. Details of availability of after sales support will have to be furnished. After sales support directly from manufacturer and from Assam (Guwahati / Tezpur) will be preferred.
9. The University is exempted from paying Custom and Excise duty.
10. Proprietary items should be quoted with sole Manufacturer/Distributorship certificate.
11. Warranty/Gurantee period should be specifically mentioned in the quotation.
12. No Advance payment will be made. However, for foreign supplier, advance payment will be made either by FDD/Wire Transfer/LC. In such cases 10% Performance Bank Guarantee should be submitted before issuing FDD/Wire Transfer/LC, covering the warranty period.
13. The University reserves the right to accept or reject any or all the quotations without assigning any reason.
14. Quoted price should be inclusive of essential accessories and should be CIF Tezpur University, Tezpur
15. Applications for release of EMD should be submitted to the Registrar/ Joint Registrar.
16. Apart from the above terms and conditions the University has the right to include any other terms and conditions as and when felt necessary.
17. Authorization/Dealership Certificate of the Company(s) whose product has been quoted has to be provided.
18. Any enquiry regarding specifications, HOD, Dept. of civil Engineering (Extension no. 5952, office-5950) may be contacted.
19. **Quotation should be submitted in the DROP BOX placed in the reception of the Administrative Building of the University within 30 days from the issue of the notice. If posted/couriered,**



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should reached within 30 days from the issue of this notice addressed to "The Joint Registrar , Tezpur University". The Quotation Notice No. and date should be clearly superscribed in the the envelope/packet containing the quotation.

Sd/- Joint Registrar  
Tezpur University