



University College of Engineering Rajasthan Technical University, Kota-324022

Tel.: 0744-2473020, Fax: 0744-2473040, e-mail: uce.rtu.purchase@hotmail.com, Website: www.rtu.ac.in

TENDER - DOCUMENT

NIT No: UCE/02/08-09

Date :- 21-10-2008

File No: UCE/PUR/F(9) 31/Civil/ Soil Lab./08-09

DUE DATE: 25-11-2008 up to 3:00 PM.

TENDER COST : Rs 7.85 Lakhs

OPENED ON: 26-11-2008 at 11:30 AM.

TENDER FEE : Rs. 200/-

EMD : Rs. 15,700/-

Sealed tenders are invited from the original manufacturer or their authorized distributors/dealers for the supply of **Equipments for Civil, Electrical & Electronics Engineering Laboratories and Chairs & Tables for Computers**. Detailed specifications of the items is given in the QUOTATION FORM-II.

Interested bidders are requested to obtain the Tender Document from the Purchase Section of UCE, RTU in any working day between **10.00 AM to 4.00 PM** after paying Tender Fee of **Rs. 200.00 (Rupees Two hundred only)** in the form of Demand Draft in favor of **Rajasthan Technical University, Kota**. Bidders can also download the Tender Document from UCE, RTU website www.rtu.ac.in.

In case of downloaded tender form a tender fee of Rs. 200.00 in the form of Demand Draft(Non refundable) in favor of Rajasthan Technical University, Kota is to be paid separately along with the required EMD on the submission of properly filled tender.

The terms and conditions for the bidders are:-

1. Quoting Firm either should be original manufacturer or authorized Distributors / Dealers of the manufacturer. While submitting the quotation by Authorized Distributors/Dealers enclose the Authorization letter for submitting the offer against UCE, RTU.
2. Tenders without EMD or of those manufacturers who have not purchased the tender documents or submitted the cost of tender will liable for rejection. The tender should be valid for 180 days from the date of opening. The director reserves the right to split, accept or reject any or all the tenders without assigning any reason whatsoever.
3. Firm should submit a Certificate issued by original manufacturer that the quoted firm will supply the genuine item.
4. Detailed profile of the firm along with list of Customers along with the details of contact person, telephone number, faxes number, complete correct address of the organization etc.

5. Photocopy of Certificate of VAT Registration No. duly attested.
6. SALES TAX/VAT/SERVICE TAX:- UCE, RTU is not authorized for submission of Sales Tax concessional form and chargeable amount of Sales Tax/VAT/Service Tax with chargeable percentage may be clearly mentioned in the quotation. If, total amount of tax and percentage of applicable chargeable tax not mentioned in the quotation, it will be presumed that amount quoted by you are inclusive of all taxes and no extra amount will be paid to you in account of taxes apart from the basic cost. TIN number and CST/ST number should be clearly mentioned in your quotation and Bill also.
7. Terms & conditions of the RTU are applicable to the bidder. Un-solicited bids will be straightaway rejected.
8. Packing, forwarding and octroi charges, etc. if any, be clearly mentioned in the quotation otherwise, it will be presumed that these charges are inclusive and no payment will be made to you extra to the basic cost.
9. Quotation will be enclosed in a sealed cover addressed to Director, University College Engineering, Rajasthan Technical University, Kota-324022. The cover should be sealed and super scribed "QUOTATION IN RESPONSE TO UCE, RTU TENDER FILE NO. -----DATE OF OPENING -----".
- 10. In case due to any reason Govt. of India/ Govt. of Rajasthan/RTU declared a holiday on date of opening of quotation then the quotation will be opened on the next working day on same time, in that case no separate intimation will be send to you.**
- 11. The quotation shall be valid for a minimum period of one hundred eighty days (180 days) from the date of opening of bids.**
- 12. UCE, RTU is a reputed institute of Govt. of Rajasthan. Therefore it is requested to quote concessional rates applicable to academic institutions.**
13. Quotation is dropped in the TENDER BOX, which is lying in the Purchase Section of UCE, RTU before the submission date and time. Quotation received by post addressed to the Director, UCE, RTU, Kota must be reached to this office before scheduled opening time of quotation.

Director



University College of Engineering Rajasthan Technical University, Kota-324022

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S. NO.	DESCRIPTION	UNIT	QTY. REQD.	Rate Per Unit (In Figures)	RATE PER UNIT (In words)
	(ATTACH LITERATURE / SAMPLE ALSO IF ANY)				
	SOIL MECHANICS LAB.				
1	<p>Plate Load Test Apparatus - The basic outfit consists of : Hand operated hydraulic jack with pressure gauge, capacity 500kN (50000 kgf) supplied with 5 meters long metal tube with end coupling. Ball and socket arrangement consisting of two steel plates with one steel ball in between the plates. No. of hydraulic jacks - 02 nos. as above mentioned.</p> <p>Extension rod 12mm x 25cm long for taking dial gauge readings. Magnetic base with female thread on top for holding extension rod. Top end plate, 50mm dia with male thread for on to the extension rods and positioning the dial gauge plunger.</p> <p>Column 15cm dia x 25cm long with flanges complete with four bolts and nuts. Column 15cm dia x 50cm long with flanges complete with four bolts and nuts. Datum bar, light weight, portable, total span 5m. Height approximately 30cm mounted on two removable legs.</p> <p>It is made in two parts. A spare leg is provided for the purpose. Complete with two quick release clamps for positioning and holding the dial gauge brackets, spikes, dial gauge 0.01mm x 25mm (4nos.)</p>	1	1		

	<p>Grooved and plane M.S. plate of size 30x30 cm, 45x45cm, 60x60cm, 75x75cm of thickness 25mm each.</p> <p>When a plate bigger than 30cm square is used, a series of smaller plates should be used concentrically in order to reduce the deflection of the edges of the plate resting on the soil and ensure proper distribution of the load on the bottom plate.</p> <p>Load truss 200kN (20000kgf) capacity truss is of welded I-gridder construction in two halves which can be bolted together when required the lower chord, the cross-pieces for holding the truss down and the vertical thrust members are all of welded box type construction with two channels enclosing and welded to an I-gridder.</p> <p>The consist of semi cylindrical pieces each held down by 1m long steel spikes driven in through holes drilled in the semi cylinder. The spikes enter the ground at about 60° to the horizontal for each side spaced along the length of the anchorage.</p> <p>The Cross-pieces are moored to the anchorages by channel straps and bolts. Eight such anchorages are supplied with 200kN truss. Guy wires with turn - buckles are supplied to keep the truss erect. Supplied complete with anchorages, guy wire and spikes. Any other item required to perform the plate load test should also be supplied. Demo of equipment should be given in our laboratory at RTU, Kota.</p> <p>Make: Hieco/AIMIL/Any ISO certified company</p>				
2	<p>Rock Core Drilling Machine for Lab with drilling bits - Compact and mobile "Core Drill" machine drills through hard rock, for the preparation of laboratory samples.</p> <p>Drive is through a powerful two speed gear box gives the machine enough flexibility to cut in th hard rock. The whole assembly moves on a sturdy pillar through rack and pinion arrangement for initial vertica adjustment of the barrel tip. The angle of cutting can be adjusted right from 0° to 360°.</p>	1	1		

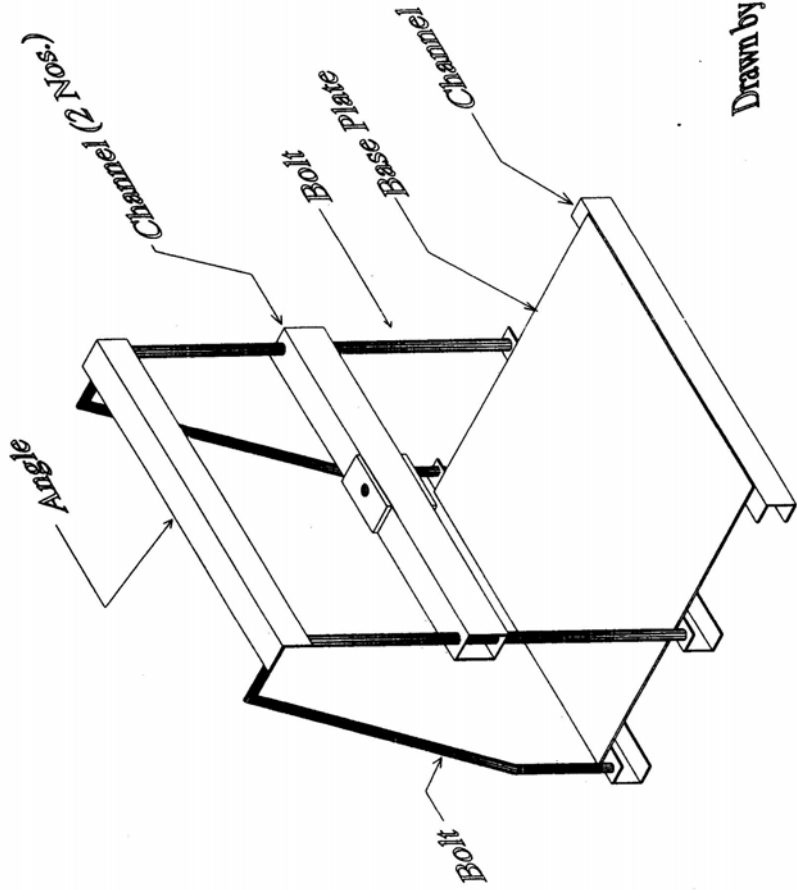
	<p>Drilling machine powered with 2HP phase, 440 volt motor.</p> <p>Drill Bits & Core Barrels-</p> <p>i) Diamond Drill Bits for core of dia 54.7mm (2$\frac{1}{8}$") - 05 Nos.</p> <p>ii) Barrels 54.7mm x 40mm long - 02 Nos.</p> <p>Demo of equipment should be given in the our laboratory of RTU, Kota.</p> <p>Make: Hieco/AIMIL/Rockdrill/ Any ISO certified company</p>				
3	<p>Balance 50Kg - Least count 10gm. Make: Hieco/AIMIL/Avery</p>	1	1		
4	<p>Balance 10Kg - Least count 01gm Make: Hieco/AIMIL/Avery</p>	1	1		
5	<p>Balance 01Kg - Least count 0.01gm Make: Hieco/AIMIL/Avery</p>	1	1		
6	<p>Rectangular Tank- (Fig. Attached) Frame- Base plate 150cm x 80cm and 12mm thick Channels at the base 75mm x 37.5mm x 6mm (6nos.) one at middle and two at th edges. Two vertical rods - 25mm diameter 2m length Connected through bolts to channels at bottom and to angel at top. The vertical rod will have threads starting from 1m above the base plate and up to the top to facilitate the movements of middle channel along the vertical rods. Middle Beam - Two channel 75mm x 37.5mm x 6mm connected face to face. A plate 75mm wide and 10mm thick will be welded at the center of the beam. The beam will have a hole at the center of 25mm diameter. Tank - The size of tank is 1200mm long 80mm wide & 900mm hight. The tank is to be used for plain strength model footing test consist of thick timber (teak wood) plantes strength by steel angle at top-bottom. Steel stiffeners is also provided of the meddle of the tank. prespex sheet of thickness 5mm should be provided in front and back of the tank. steel footing 25mm thick of size 50x75mm, 75x75mm, 100x75mm, 150x75mm should be provided along with the tank.</p>	1	1		

	<p>Assessories -</p> <p>i) Proving ring of 2 ton & 5 ton with calibration chart by NPL/NCCBM/RRL</p> <p>ii) Dial gauge 25mm travel L.C. 0.01(4 nos.) with magnetic base.</p> <p>iii) Hydraulic jack of 5 ton & 10 ton capacity with pressure gauge calibration by NPC/NCCBM/RRL</p> <p>iv) Spenars set for all size nuts (2set)</p> <p>Demo of equipment should be given in the our laboratory of RTU, Kota.</p>				
7	<p>Hydraulic Jack - capacity 100ton with calibration - chart by NPL/NCCBM</p> <p>Jack is simple and compact in design and easy to operate. Jack up to a capacity of 100 ton is provided with single plunger pumping units and those of capacity more than 100 ton is provided with double plunger type pumping units. Jack is provided with calibrated pressure gauge of appropriate capacity. Hydraulic jack has hand operated pumping units only.</p> <p>Make: AIMIL/HEICO/Any ISO certified company</p>	1	1		
8	<p>Proving Ring capacity 100 ton with calibration certificate - NPL/NCCBM/RRL</p> <p>Proving Ring of capacity 1000kN is provided with loading platens fitted with a dial gauge 0.002mm sensitivity and is supplied in a wooden case and complete with a calibration chart.</p> <p>Make: AIMIL/HEICO/Any ISO certified company</p>	1	1		
9	<p>Hydraulic Jack - capacity 10 ton with calibration - chart by NPL/NCCBM</p> <p>Jack must be simple and easy to operate with single plunger pumping unit. It also must be provided with calibrated pressure gauge of appropriate capacity.</p> <p>Make: AIMIL/HEICO/Any ISO certified company</p>	1	1		
10	<p>Dial Gauge - 50mm Travel - 0.01mm L.C.</p> <p>Make: Heico/AIMIL/MITUTOYO</p>	1	10		
11	<p>SPT A Rod - 20m - SPT Rod of 1.0 meter long with coupling made of steel as per IS Code.</p>	1	1		
12	<p>SPT Sampler - SPT sampler is with brass liner as per IS Code.</p>	1	2		

13	<p>Resistivity Meter upto 200m depth investigation -</p> <p>Resistivity Meter for Geophysical exploration up to a depth 200m. All accessories like electrodes winches and electric wire 400 meter with power pack. The chargeable battery system should be provided along with instruments. Any other item required for performing the resistivity test should be included with the instrument. The instrument is to be provided as per IS Code. Demo requirement should be given in the laboratory of RTU, Kota.</p>	1	1		
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<p>PLACE:</p> <p>DATE:</p>	<p>SIGNATURE:</p> <p>SEAL:</p>
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S.No. 6 Rectangular Tank



Drawn by : B.S.Sharma
Draughtsman

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