ISLAMIC UNIVERSITY OF SCIENCE & TECHNOLOGY
AWANTIPORA, KASHMIR

TENDER NOTICE

For and on behalf of Vice Chancellor Islamic University of Science and Technology (IUST), Awantipora, sealed tenders affixed with revenue stamp of Rs. 5/- in two bid system are invited from the reputed manufacturers/authorized dealers for supply, installation and testing of various laboratory/scientific equipments as mentioned in the Annexure–A of this tender for the Department of Civil Engineering. The detailed tender document can be obtained from the office of **Procurement & Stores** or can be downloaded from the University website: www.islamicuniversity.edu.in against payment of **Rs. 500/-** (non refundable) in the shape of DD favouring Islamic University of Science and Technology, Awantipora Pulwama (J&K) as cost of the tender document and to be submitted by or before 16-03-2018 (02.00 pm). Terms and Conditions apply.

Sd/-
Member secretary
(Central Purchase Committee)

No.IUST/Reg/P&S/Tender/18/144
Dated: - 21-02-2018

GENERAL TERMS & CONDITIONS

The Bidders are expected to go through all instructions, terms & condition as specified in the bidding document. Failure to furnish complete required information or submission of a bid with incomplete information may result in rejection of the bid.

1. The tender duly completed and signed shall be submitted in a two sealed envelopes. Envelope A (Technical Bid) and Envelope B (Financial Bid).
2. The Technical Bid (Envelope- A) would be opened first and the tenders found eligible will go for opening of Financial Bid (Envelope-B) on the same day or the day as decided by the CPC. The Financial Bid (Envelope-B) of in-eligible bidders will not be opened.
3. The supply, transportation etc. of the items will be sole responsibility and at the risk of the firm till the acceptance by the University.
4. All the items and other accessories supplies made under this tender notice will be inspected by a Committee specially constituted for the purpose and in case the Committee is of the opinion that the supplies are not of the required specifications, the supplies shall be rejected and responsibility of lifting back the supplies will devolve on the supplier. Besides, in such event, the EMD shall stand forfeited and the extra cost incurred in arranging the supply from the alternative sources shall also be recovered from the defaulting supplier apart from initiating the proceedings for blacklisting.
5. The University reserves the right to reject or accept any Proposal without assigning any reason or cancel or withdraw the tender. The University reserves the right to relax any condition enumerated or arising out of this tender, without assigning any reason/s thereof. If the supply of the required items are not affected before the specified period, the University shall have the authority to cancel the order or to take any action deemed fit in the circumstances.
6. The EMD may be forfeited:
    (a) If a Bidder withdraws its bid during the period of bid validity.
    (b) If at any stage it is proven that the information given by the bidder is incorrect.
    (c) In case of a successful Bidder, if the Bidder fails:
        - to execute the supply within the stipulated time.
        - if the items are not as per the specifications.

7. The University may, for any reason, whether suo-moto or in response to a clarification requested by a prospective bidder, modify the bidding documents by an amendment, any time prior to the last date for submission of bids.

8. Tenders received after due date, improperly sealed, or with incomplete marking or with overwriting/corrections are liable to be rejected.

9. During evaluation of bids, the University may, at its discretion, ask the Bidder for a clarification of its bid. The request for clarification and the response shall be in writing and no change in prices or substance of the bid shall be sought, offered or permitted.

I/We hereby declare that the information furnished in the tender is true and correct and also I/We have gone through the terms and conditions stipulated in the Tender Document and confirm to abide by the same. In case the information provided is found incorrect at any stage, the University may take appropriate action as warranted.

Name and sign of the authorized person of the firm along with seal

Place:
Date:

TENDER DOCUMENT

(Envelope- A (Technical Bid) It should contain the following:

a. Authorization /dealership/manufacturer certificate.
b. GST Registration.
c. Technical specification/ literature for the goods/equipment **Annexure-B**.
d. Bidders Profile **Annexure-C.**
e. Warranty Certificate **Annexure-E.**
f. Bid security @ 2% in the shape of FDR of any nationalised Bank drawn in favour of "Islamic University of Science and Technology", payable at Awantipora, Pulwama (J&K) and tender document fee Rs. 500/- (non refundable) in the form of DD, in favour of Islamic University of Science &Technology.
g. Certificate of service support after sale wherever necessary.
h. Proof of legal status.

(Envelope-B (Financial Bid) It should contain the following:

a. Bid prices shall be in Indian Rupees (**Annexure-D).**
b. The rates shall be quoted FOR IUST Stores, Awantipora including transportation, installation/commissioning/fixing excluding GST.
c. Bid price should be without over writing; however minor over writing should be clearly signed by the bidder. In case of any discrepancy between price quoted in figures and words, the price quoted in words shall be accepted.
d. The rates should be covered with transparent tape.

Validity of Bids

a. Bids shall remain valid at least for 90 days from the date of opening.

Evolution of Bids

a. IUST shall evaluate and compare the bids which are found substantially Responsive. i.e which are
(i) Properly signed.
(ii) Conform to terms and conditions and technical specifications.
(iii) Accompanied with Bid security and all other documents.
(iv) Bids shall be evaluated separately for each item.

Award of contract

a. Contract shall be awarded to the bidder whose bid is commercially, technically responsive and offered at lowest evaluated price.
b. Successful bidder shall be informed about the award of the contract where in terms and conditions of supply shall be incorporated.

Payment

a. 100% payment shall be made against delivery of items, successful verification/inspection of items by the University Verification Committee.

Warranty

a. All items shall carry comprehensive standard warranty of one year (Annexure-E).

Settlement of disputes

a. Settlement of any dispute will be made under the jurisdiction of Srinagar court only.

Submission of Bids

(a) The tender duly completed and signed shall be submitted in sealed envelopes. The two envelopes Envelope A (Technical Bid) and Envelope B (Financial Bid) should be kept in separate one envelope. The sealed cover upper-scribed "**Tender for supply of Lab Equipments for the Department of Civil Engineering**" shall be addressed to the **Member Secretary Central Purchase Committee** Islamic University of Science and Technology, Awantipora Pulwama and shall be submitted on or before 16-03-2018 02.00 pm.

Bid opening

(a) The Technical Bid (Envelope- A) would be opened first and the tenders found eligible will go for opening of Financial Bid (Envelope-B) on the same day or the day as decided by the CPC. The Financial Bid (Envelope-B) of in-eligible bidders will not be opened.

(b) Interested bidders can attend the bid opening occasion.

ANNEXURE-A

Schedule of Requirements

S. No	Item	Specifications	Qty	Delivery Period
1	**Standard Test Sieves** (Conforming to IS specifications)	200 mm dia, Spun brass frame	1	
		Size: 4.75mm, 2.36mm, 1.18m, 600µ, 300µ, 150µ, 75µ, lid & pan		
		300 mm dia, GI sheet frames	1	
		Size: 100mm, 80mm, 63mm, 50mm, 40mm, 25mm, 20mm, 12.5mm, 10mm, 6.3mm, 4.75mm, lid & pan		
		450 mm dia, GI sheet frames	1	
		Size: 100mm, 80mm, 63mm, 50mm, 40mm, 20mm, 12.5mm, 10mm, 6.3mm, 4.75mm, lid & pan		
2	**Cube/ Cylinder/ Beam moulds** (Conforming to IS specifications)	Cube Mould: 150x 150 mm	12	
		Beam Mould: 150mm x 150mm x 750mm made of cast iron	12	
		Cylindrical Mould: 30cm ht & 15cm dia	12	
3	**Digital Weighing Machine 50kg**	Load capacity: 50kg, Platform size: 50cm x 50cm, Least count: 5g	1	
4	**Rebound Hammer (Digital)** (Comply to standard : IS 13311-1992(Part 2) and ASTM C805, D5873)	Comply to standard : IS 13311-1992(Part 2) and ASTM C805, D5873 It should have measuring range of 10 to 70 N/mm2. It should have the tilt function of +/- 15 degree. The Impact energy for the instrument should be of 2.250 Nm Storage of up to 423 measuring series of up to 10 measurements each Display:LCD Communication Protocol: USB data transfer. Battery Type: Li-ion rechargeable cell 4.2V, 2200mAh. Automatic elimination of erroneously high & erroneous low rebound values in a single measurement series The instrument to be provided with valid NCCBM calibration. Cover Measuring Range :Up to 185 mm Cover Measuring Accuracy: ± 1 to 4 mm, depending on cover Diameter Measuring Range: Up to 63 mm Diameter Measuring Accuracy: ± 1 rebar	1	

		size Should be able Locate rebars before drilling, cutting and coring. Should be able Spot check of cover and rebar size Standards: BS 1881, Part 204 DIN 1045 DGZfP B2 SN 505262 SS 78-B4 ГОСТ 22904 Display : Pixel graphic LCD Measurement Modes: Rebar location, diameter estimation and cover measurement	
5	**Reinforcement Detector/ Bar locator** **(Should Consist of Main unit, start-up test kit and accessories (batteries, canvas bag, carrying strap, chalk, documentation and PC software)** (BS 1881, Part 204 DIN 1045 DGZfP B2 SN 505262 SS 78-B4 ГОСТ 22904)	Current Consumption Power on, backlight off ~ 50 mA Power on, backlight on ~ 200 mA Sleep mode ~ 10 mA Power off < 1 µA Battery Lifetime Backlight off > 50 h Backlight on > 15 h Time Outs Sleep mode 30 s Auto shut down 120 s Environmental Conditions Temperature range -10º to 60º C (14º to 140º F) Humidity range 0 to 100% rH Protection class IP54 1-Layer Neighboring Rebar Correction (NRC) Real-time visualization of the rebars beneath the instrument Visual indication of rebars in close proximity Identify the mid-point between rebars as well as the orientation of rebars Optical and acoustical indication of rebar location and minimum cover alert Neighbouring bar correction Switchable display backlight for dark environments Start-up test kit allows user to familiarize on all functions in a comfortable environment, wasting no time on site Language independent Transit time range : 0.1-9999 µs Resolution : 0.1 µs Energising pulse : 125 V, 250 V, 350 V, 500 V, AUTO Tx frequency range: 24-500 kHz Transit time: Yes Pulse velocity: Yes Path length: Yes	1

		Surface velocity : Yes Crack depth : Yes Memory: > 500 readings Power supply: Mains/Battery(>20h)/USB IP Classification: IP42 Integrated gain stage : 1x, 10x, 100x 1x, 2x, 5x, 10x, 20x, 50x, 100x, 200x, 500x, 1000x	
6	**Ultrasonic Pulse Velocity (consisting of: Display unit, 2 transducers (54kHz), 2 BNC cables 1.5 m, couplant, calibration rod, battery charger with USB-cable, 4x AA(LR6) batteries, data carrier with software, documentation and carrying case)** (EN 12504-4 ASTM C 597-02 ISO 1920-7:2004 IS 13311 CECS 21 ГОСТ 17624)	Measuring Range: Up to 15 m depending on concrete quality Bandwidth: 20 to 500 kHz Technology: Ultrasonic pulse velocity Measuring Resolution: 0.1 us Pulse Voltage UPV: 125 to 500 V Pulse Voltage UPE – Receiver Gain: 1x, 10x, 100x, AUTO Nominal transducer frequency 24 – 500 kHz Pulse Shape Square Wave Number Of Channels 1 Display: 79 x 21 mm passive matrix OLED Memory: > 500 measured values Connections: USB connection to PC Measurement Modes • Pulse velocity • Surface velocity • Data logging • E-modulus Transducers: 54 kHz with BNC connector Pulse velocity determination Quality assessment and uniformity Modulus of elasticity measurement Curing status evaluation Crack depth estimation Assessment of fibre reinforced concrete Standards: EN 12504-4 ASTM C 597-02 ISO 1920-7:2004 IS 13311 CECS 21 ГОСТ 17624	1
7	**Hot Air Oven**	90 x 60 x 60cm, 4 trays, Temperature range: 5 - 250 °C, Temperature accuracy: ± 0.1 °C, with digital temperature controller and air circulating fan	3
8	**Digital Balance**	Weighing capacity: 1-10kg, Readability: 0.001g to 1g, Platform dimensions: 118mm x 140mm	2
9	**Concrete Mixer**	Mixing Capacity – 40 ltrs. Overall Dimension - 910mm X 875mmX1250mm Motor2 HP, 960 RPM	1

		Portable & Compact. Adjustable Blades. Simple to clean & maintain. Easy to operate. Suitable for operation on 440V, 50Hz, Three Phase, AC supply.	
		Concrete Mixer, Drum Type, Capacity 90 L	1
10	**Compressometer/Lateral Extensometer**	The Compress meter should consists of two frames for clamping to the specimen by means of five tightening screws with hardened and tapered ends. Two spacers hold the two frames in position. An adjustable pivot rod rests on pivot screws. A spring enables the pivot rod to remain in contact with pivot screws. The ball chain is for adjusting the tension of the spring. A dial gauge, fixed to a bracket, fitted to the top frame, is used for taking deformation measurement. Supplied complete with AIM 070 dial gauge 0.002x5mm or AIM 072-DG Dial Gauge Digital 0.001 x25 mm. The Lateral extensometer should consists of two movable frames pivoted at one end. A dial gauge measures the lateral extension, and a removable spacer strip is for the initial setting of the dial gauge. Mounting of extensometer on the specimen is with the help of screws. Supplied complete with AIM 070 dial gauge 0.002x5mm or AIM 072-DG dial gauge digital 0.001 x25 mm.	4
11	**Needle Vibrator**	3 HP, 440V 3 - Phase, 50 cycle AC electric motor with Push button Starter with shaft 4m x 40mm needle	1
		4 - stroke, 3.4 HP Petrol/Kerosene engine with shaft 4m x 40mm needle	1
12	**Digital Torsion testing machine**	Maximum capacity : 100Nm Least Count : 0.01 Nm Maximum clearance between grips : 500mm Grips for square specimens : 5-15mm Grips for flat specimens : 5-12x40mm	1
13	**Portable Arc Welding machine**	3-Phase, Input current: 13A, Welding current: 250A, Input power: 9.4 KVA, Max. Electrode size: 1.6 - 4mm	1
14	**Compaction Test Apparatus for light compaction** IS 10074	Standard accessories with rammer and mould, 1000 ml volume, mild steel. 100 mm internal dia *127.3mm height	2

15	**Compaction Apparatus for heavy compaction** IS 10074	Standard accessories with rammer and mould ,1000 ml volume, Gun metal, 150 mm internal dia *127.3mm height	2
16	**CBR Mould**	Standard as per IS	2
17	**Liquid Limit Apparatus** IS 2720 IS 9258 BS 1377	Liquid Limit Device, Hand Operated, with Casagrande grooving tools and gauge block.	2
18	**Laboratory Permeability Apparatus (Constant and Falling Head)** Ref. Standards IS:2720 (Part 17), IS:11209	The equipment should consist of the following replaceable parts : • Stand with three glass tubes o f6 mm, 10 mm and 20 mm dia approx. • Metallic Mould 100mmdiax127.3 mm height, 1000 ml volume. • Extension Collar 100 mm dia x 60 mm height. • Drainage Base Plate with a recess for Porous Stone and an Outlet Valve. • Metallic Clamping Ring • Drainage Cap with recess for a Porous Stone and fitted with Inlet Valve and Air Release Valve. • Dummy Plate to serve as False Bottom during compaction. • Porous Stone for Drainage Base Plate. • Porous Stone for Drainage Cap • Rubber Connection Tube 3m long, with Pinch Cock • Overhead Tank required for the constant Head method made of steel, approx. 37 .5 cm dia and 1m high. It is provided with an inlet port at the top, six outlets at the bottom with cocks, air inlet and water filling tube at the top. An arrangement to indicate the water level is also provided. • Rammer 2.6 kg X 310 mm controlled fall • Rammer 4.9 kg X 450 mm controlled fall	1
19	**Shrinkage Limit** IS: 2720 (Part6), 10077,ASTM: 0427, BS: 1377,AASHTOT-92	The equipment should consist of the following replaceable parts : • Porcelain Evaporating Dish • Shrinkage Dish • Glass Cup • Perspex Plate, with three Metal	1

		Prongs • Perspex Plain Plate • Spatula • Glass Cylinder, graduated, 25 ml x 0.5 ml • Mercury, 750 g • Straight Edge		
20	**Hydrometer Jar**	1000ml	2	
21	**Proving Rings**	Compression-Tension Proving Ring,2 kN(200kgf) capacity for Direct SHear Proving Ring Capacity 50 kN for CBR Proving Ring, 100 kN for UCS	3	

Bidder's Profile to be placed in Envelope A (Annexure-C)

Name of the firm:-_____
_____

Tender for supply of _____

Tender No. & Date: -_____

Technical specification/ literature attached:- Yes/No

GST certificate attached:- Yes/ No

Registration/ Authorization Dealership/
Manufacturer certificate attached:- Yes/ No

Revenue stamp affixed. Yes/ No

Rates covered with transparent tape:- Yes/ No

Bid document fee deposited:- Yes/ No

Bid Security enclosed:- Yes/ No.

Bid price in Indian Rupees:- Yes/ No

Bid without correction/overwriting:- Yes/No

Seal and Signature of the Bidder

Annexure – B

TECHNICAL SPECIFICATION

S.No.	Name of Equipment	Technical Specifications (as per. Tender IUST/Reg/P&S/Tender/18/144 dated: 21-02-2018	Technical Specifications of the Make /Model/ Origin of country quoted by bidder	Complies	Official use only Remarks (Higher/Compiles/not complies)

Annexure-D (Price Bid)

S. No	Name of The item/Equipment as per the tender	Price per unit FOR IUST campus Awantipora (Excluding GST*)	Quantity	Total Price

* GST shall be paid as applicable at the time of supply of the items.

Annexure-E

WARRANTY CERTIFICATE

We warrant that everything to be supplied by us hereunder shall be brand new, free from all defects and faults in material workmanship and manufacture and shall be of the highest grade and quality and consistent with the established and generally accepted standards for material of the type ordered, shall be in full conformity with the specifications/drawings of samples if any and shall operate properly. We shall be fully responsible for its efficient operation.

In case of any latent defect or inconsistency due tot poor manufacturing/repair and overhaul of the Machinery/Equipment or defective supply not conforming to the specifications if observed at the time of final inspection and thereafter within warranty period ---------- months of the date of acceptance, we undertake the guarantee to repair/supply free of cost of defective items up to the final destination and the inland expenses borne by the indenter will be at our cost.

This warranty shall survive inspection and payment for and acceptance of the equipment/machinery shall expire (except in respect of complaints of which the contractor has been notified prior to such date) ---------- months in case equipment/machinery after their successful acceptance by the purchaser.

SEAL of manufacturer/supplier.
Dated _____

Signature----------
Name and Address of Manufacturer/Supplier