



# 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 Physics. 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](http://www.islamicuniversity.edu.in) against DD of **Rs. 500/-** (non refundable) favouring Islamic University of Science and Technology, Awantipora Pulwama (J&K) as cost of the tender document and to be submitted by or before 15-03-2018 (02.00 pm). Terms and Conditions apply.

Sd/-  
Member Secretary  
(Central Purchase Committee)

No.IUST/Reg/P&S/Tender/18/167  
Dated: - 28-02-2018

## **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. Bidders Profile **Annexure-B.**
- d. Technical specification/ literature for the goods/equipment **Annexure-C.**
- e. Warranty Certificate **Annexure-D.**
- 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-E**).
- 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 notice for supply of Lab Equipments for Department of Physics**” 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 15-03-2018 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.

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

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-A**  
**Schedule of Requirements**

| S. No | Item/Experiment  | Technical Specifications  | Quantity | Delivery period |
|-------|--|---|----------|-----------------|
| 01    | Frank-Hertz Experiment                                     | Frank-Hertz electron tube (tetrode) Frank-Hertz control unit (power supplies and amplifier) Control Unit:-Oven temp.: 200°C, Cathode voltage: 6-8V, Accelerating Potential:60V, Frank-Hertz Oven (Thermostatically controlled X-Y recorder (H-P)<br>CRO (30MHz Dual channel/Trace, Digital readout, Highest sensitivity up to 1mV/sub div, lowest sweep rate of 10s/div etc). | 01       | 45 Days         |
| 02    | Electron Spin Resonance                                    | Electron spin resonance apparatus, leads, Sample.<br>CRO (30MHz Dual channel/Trace, Digital readout, Highest sensitivity up to 1mV/sub div, lowest sweep rate of 10s/div etc).  | 01       |                 |
| 03    | Hysteresis loop of Ferromagnetic Material                  | Main Electronic Unit with built in Power supply, Magnetizing Coil, Magnetic field sensing Probe, Holder for Magnetizing and Sensing Probe Samples of different materials.<br>CRO (30MHz Dual channel/Trace, Digital readout, Highest sensitivity up to 1mV/sub div, lowest sweep rate of 10s/div etc).  | 01       |                 |
| 04    | G. M. Counter  | Radiation Counter with digital readout (Counts capacity 999999, preset time 9999 sec, Variable HV (0-1500V), 1mA), G M Tube with stand, Radioactive Source, long Stand, set of absorbers, Leads and Cables  | 01       |                 |
| 05    | Scintillation Counter                                      | Photomultiplier tube, Grating holder/Aluminum shield, NaI(Tl) scintillator/ PMT piece kept in the shield, MCA analyzer box<br>Two BCN-like cables, one with yellow tape on end Power source connector, USB connector<br><sup>137</sup> Cs, <sup>60</sup> Co, <sup>65</sup> Zn and <sup>22</sup> Na radioactive sources  | 01       |                 |
| 06    | Determination of Velocity of Sound in Air by Standing wave | Audio Frequency Generator 20 Hz to 200 KHz Output 0-20V r.m.s., Loud Speaker with baffle fitted in a box with two metre   | 01       |                 |

|           |  |   |    |  |
|-----------|--|---|----|--|
|           | <b>method</b>  | wire and 4mm Banana pins for connections, Dynamic Microphone on stand with 4mm Banana Pin., Board, Thermometer 0-100°C, Metre Scale.  |    |  |
| <b>07</b> | <b>Modulus of Rigidity by Maxwell's Needle</b>                 | Maxwell's needle, consisting of a hollow cylindrical brass tube of length 40 cm, 1 Meter Hard steel wire, screw gauge, Meter Scale, Physical balance with weight box, Light pointer (Laser light).  | 02 |  |
| <b>08</b> | <b>Study of Dielectric constant of Ferroelectric Materials</b> | Two individually spring loaded mounted in a suitable stand, which also holds the sample plate, the RTD is embedded in the sample plate below the sample. This stand also serves as the lid of temperature controlled oven. Capacitance Meter and Temperature Controller, <b>Oven Controller Digital Capacitance Mete, Display</b> 3½ digit, 7 segment LED with autopolarity and decimal indication<br><b>Sample:</b> Barium Titanate (BaTiO <sub>3</sub> ), | 01 |  |
| <b>09</b> | <b>Malu's Law (Polarized Laser Light)</b>                      | Optical Bench (100cm long steel rods ½" dia having leveling screws. One of the two steel rods is graduated, He-Ne Laser with Power Supply, Laser Detector, Polariser & Analyser, Nanoammeter, Reading Lens, Sprit Level   | 01 |  |
| <b>10</b> | <b>NMR Experiment</b>  | Marginal radio frequency oscillator with 4-digit frequency display, Two high field H shaped permeant magnets, 50 Hz Sweep Unit and Oscilloscope.  | 01 |  |
| <b>11</b> | <b>Study of RC Coupled Transistor Amplifier</b>                | Two stage transistor coupled amplifier, positive and negative adjustable feedback, stabilized power supply  | 02 |  |
| <b>12</b> | <b>Study of Astable and Monostable Multivibrator</b>           | 555 Timer IC, Power supply, Various types of triggers: Variable frequency, variable voltage and manual, logic compatible trigger and reset inputs, output compatible with CMOS, DTL and TTL, resistors and capacitors.  | 02 |  |
| <b>13</b> | <b>Study of Hybrid parameters of a transistor</b>              | Complete setup with transistor and other capacitors and resistors to study h11 parameter, h22 parameter, h21 parameter h12 parameter, built in stabilized power supply, connecting cables and other accessories.  | 02 |  |

|           |  |  |    |  |
|-----------|--|--|----|--|
| <b>14</b> | <b>Study of Power supply (Solid State)</b> | Step-down transformer, a rectifier circuit (half-wave or a full-wave), a filter circuit, A built-in electronic, digital panel meter to measures the load current and load voltage<br>Output : 0-12 volts<br>Max. Current : 200 mA, Regulation : 1% | 02 |  |
| <b>15</b> | <b>Characteristics of SCR</b>              | Complete Setup with SCR, Two DC IC Regulated Power Supplies 0-5VDC/150mA & 0- 30VDC/150mA, Three Digital meters for voltage & current measurement, connecting leads  | 02 |  |
| <b>16</b> | <b>Characteristics of PIN Diode</b>        | Complete Setup with diodes, voltmeters and ammeters and power supplies, resistances etc and connecting leads   | 02 |  |
| <b>17</b> | <b>Realization of Logic Gates</b>          | Built-in power supply DC +5 V @ 500 mA, two input AND, OR & NOT gates using diodes & transistors, 3 Logic input switches with LED display, 5 Logic output LED display.   | 02 |  |
| <b>18</b> | <b>Plier set</b>                           | 3 In 1plier set Having nose plier, cutting plier and Side Cutting Plier  | 01 |  |
| <b>19</b> | <b>Wire Cutter</b>                         | Cutter for cutting wires of different gauges   | 06 |  |
| <b>20</b> | <b>Spanner Box (Full set)</b>              | Double Ended Spanner set (One end should be ring type), Full set of atleast 12 pieces sized 6×7, 8×9, 10×11, 12×13, 14×15, 16×17, 18×19, 20×22, 21×23, 24×27, 25×28, 30×32.  | 01 |  |





## **Annexure-D**

### **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 to 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.

Signature-----  
Dated \_\_\_\_\_  
Manufacturer/Supplier

Name and Address of

## Annexure-E (Price Bid)

| S. No | Name of Equipment as per the tender | Price per unit FOR IUST campus Awantipora (Excluding GST*) | Quantity | Total Price |
|-------|-------------------------------------|--|----------|-------------|
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\* GST shall be paid as applicable at the time of supply of the items.