



ISLAMIC UNIVERSITY OF SCIENCE & TECHNOLOGY AWANTIPORA, KASHMIR

Short Term Tender Notice for Supply of Laboratory Equipments for the Food Testing Laboratory

For and on behalf of Vice Chancellor Islamic University of Science and Technology, Awantipora, sealed tenders affixed with revenue stamp of Rs. 5/- are invited from the authorised dealers/suppliers and manufactures for supply of Laboratory equipments as mentioned in the Annexure A in the tender document for the Food Testing Laboratory, Islamic University of Science and Technology, Awantipora. The tender document can be obtained from the office of **Assistant Registrar (Procurement & Stores)** or can be downloaded from the University website: www.iust.ac.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 **25-07-2022** (upto 2.00 pm). Terms and Conditions apply.

Sd/-

Assistant Registrar (Procurement & Stores) /
Member Secretary Central Purchase Committee.

No. IUST/Reg_P&S/Tender/22/274

Dated: 14 -07-2022

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.

GENERAL TERMS & CONDITIONS

1. The tender duly completed and signed shall be submitted in a sealed envelope upper-scribed “**Tender for supply of Laboratory equipment for the Food Testing Laboratory**” shall be addressed to the **Assistant Registrar (Procurement & Stores)** Islamic University of Science and Technology, Awantipora Pulwama and shall be submitted on or before **25-07-2022** (upto 2.00 pm).
2. The intending bidders shall have to paste transparent tape on the rates quoted by them in Indian Rupees (INR) only both in figures and in words **FOR IUST Stores Awantipora**, inclusive of all charges /taxes. In case of a discrepancy, the amount quoted in words will be taken as final.
3. The Tender should be accompanied with Earnest Money Deposit (EMD) of Rs. 10,000/- (Ten Thousand only) in the shape of FDR/CDR of any nationalised Bank drawn in favour of “Islamic University of Science and Technology”, payable at Awantipora, Pulwama (J&K).
4. The tender submitted shall remain valid for a period of **90 days** from the date of opening of the bid.
5. The supply, transportation etc of the items shall be sole responsibility and at the risk of the firm till the acceptance by the University.
6. The supplied items made under this tender 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.
7. 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 is 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.
8. In case of any dispute the jurisdiction will be courts at Srinagar only.
9. 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.
10. 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.
11. Tenders received after due date, improperly sealed, or with incomplete marking or with overwriting/corrections are liable to be rejected.
12. 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.
13. The item(s) supplied through this Tender shall be covered by a **warranty (wherever applicable) as mentioned by the bidder**. During the period of warranty, no charges will be paid by the University on any kind of service or repairs carried out by the supplier.
14. The supply orders shall be issued as per the requirements of the University
15. The warranty period takes effect from the date of acceptance of the items by the University.
16. Failure of the successful bidder to comply with the requirements of the University shall constitute sufficient ground for the annulment of the award and forfeiture of the bid

security, in which event the University may make the award to the next lowest bidder or call for new bids.

Compulsory Documents to be placed in the tender:

- a. GST Registration.
- b. EMD of Rs. 10,000/-
- c. DD of Rs. 500/-
- d. Experience proof documents in shape of supply orders of similar nature of work.
- e. PAN Card

I/We hereby declare that the information furnished in this tender document by us is true and correct and also we have gone through the terms and conditions stipulated in the Tender Document and confirm to abide by the same. In case the provided information 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:

NOTE : The bidders are informed to quote the rates against each item without making any change in the specifications/packing of the items. The rates shall be quoted in the prescribed format without changing the Serial No. of the items. Any change in the specifications/ Packing /Serial No. of the items will make the bidder liable that his bid shall not be entertained.

Annexure A

S. No.	Equipment	Specification	To be filled by the bidder			
			Quantity	Warranty period (wherever applicable)	Make/Model	Rate per No. (inclusive of GST)
01	BOD Incubator	<p>The chamber should be made of Stainless Steel and should be easy to clean.</p> <p>The chamber external housing should be made of textured stainless Steel.</p> <p>The chamber capacity > 100 Litres.</p> <p>The temperature range should be Ambient less 20 ° C to + 70 ° C. The unit should be able to reach 5 ° C with an ambient temperature of 25 ° C</p> <p>The temp variation in time at 37 ° C should be < +/- 0.4 K or better and temp uniformity should be < +/- 0.8 K or better.</p> <p>The unit shall be fitted with 2 Nos Stainless Steel grids and there should be facility to accommodate 3 Nos additional grids/shelves.</p> <p>The outer door should be insulated and should be made of Stainless Steel and the inner door should be made of glass.</p> <p>The system should employ energy saving Peltier based Heating and cooling technology and no compressor should be used for cooling purposes.</p> <p>The controller should have an indication / setting accuracy of 0.1 ° C or better.</p> <p>The unit should be equipped with mechanical temperature limiter.</p> <p>The unit should have 1 independent PT 100 sensor for measuring the temperature.</p> <p>The controller should have one high resolution TFT Color display and the internal data logger should be capable of storing the test data for app 8 years or more.</p> <p>The unit shall be equipped with a Ethernet Interface for downloading the internal data if required.</p> <p>The controller should have facility to be recalibrated without connecting to an external PC.</p> <p>The unit shall have a Set point wait function wherein the process time does not start until the set temperature is reached.</p> <p>The unit should be equipped with a adjustable electronics over temperature protection controller.</p> <p>The controller should have a facility to display the temperature in either ° C or ° F as and when required.</p> <p>The unit shall be equipped with standard factory calibration certificate at + 10 ° C and + 37 ° C</p> <p>The unit should be able to work with 230 V +/- 10 % , 50 Hz Supply.</p> <p>The unit shall carry a warranty of 1 years from the date of commissioning.</p> <p>The manufacturer must have a management system certified to ISO 9001 and the units should be CE certified.</p> <p>The necessary operation manual should be provided along with the machine.</p> <p>The operational training shall be given at the time of commissioning.</p>	01			

		<p>The packing data and weight details shall be provided along with the offer.</p> <p>The firm shall submit necessary catalogues, product data sheet and a point wise technical compliance statement along with the offer.</p>				
02	CO2 Incubator	<p>The chamber external casing should be made of Corrosion resistant textured stainless Steel and rear housing should be made of zinc plated stainless steel.</p> <p>The Chamber interior should be made of Stainless Steel (ATM304).</p> <p>The internal volume should be >50 Litres.</p> <p>The temperature range should be Ambient + 5 Deg C to 50 Deg C.</p> <p>The temp variation in time at 37 Deg C should be < +/- 0.2 Deg C or better and temp uniformity should be < +/- 0.4 Deg C or better.</p> <p>It should be possible to adjust the CO2 range from 0 % to 20 %.</p> <p>The sensor used for CO2 measurement should be IR type and it should be possible to sterilise the chamber at 180 Deg C/ 1 hours without removing any sensors.</p> <p>The unit shall be fitted with minimum 1 Nos Stainless Steel shelves and there should be facility to accommodate 5 Nos additional grids/shelves.</p> <p>The unit should be equipped with a Direct heating system and the heating elements should be located on 6 sides to ensure temp homogeneity inside the Incubator and avoid condensation.</p> <p>The Incubator should be fitted with a small fan for circulating the CO2.</p> <p>The controller should have a indication / setting accuracy of 0.1 Deg C or better.</p> <p>The unit should have fully insulated stainless steel outer door with 2-point locking (compression door lock) and heated inner glass door</p> <p>The unit should be equipped with a Mechanical temperature limiter to protect the Incubator from overheating in case of failure of the controller.</p> <p>The unit should have 2 independent PT 100 sensors and the same should have auto switch over function in case one fails.</p> <p>The unit should be equipped with a adjustable over temperature protection controller class 3.3 or a adjustable temp limiter class 2 and the same should be selectable on the display</p> <p>The controller should have two high resolution TFT Color display and the internal data logger should be capable of storing the test data for app 8 years or more.</p> <p>The unit shall be equipped with a Ethernet Interface as well as USB interface and necessary software for programming, managing and transferring program shall be provided with the unit. It should be possible to Programme temperature, humidity, CO2 and O2 (as applicable) using the software provided.</p> <p>It should be possible to store minimum 80 programs on the machine itself and the unit should have graphical display showing the actual parameters with respect to time.</p> <p>The controller should have facility to be recalibrated without connecting to an external PC</p> <p>The controller should have a facility to display the temperature in either ° C or ° F as and when required.</p> <p>The unit shall be equipped with standard factory calibration certificate at 37 Deg C , 5% CO2.</p>	01			

		<p>The unit should be able to work with 230 V , 50/60 Hz Supply.</p> <p>The unit shall carry a warranty of 1 years from the date of commissioning.</p> <p>The manufacturer must have a management system certified to ISO 9001 and the unit should be CE certified.</p> <p>The necessary operation manual should be provided along with the machine.</p> <p>The operational training shall be given at the time of commissioning</p> <p>The packing data and weight details shall be provided along with the offer.</p> <p>The firm shall submit necessary catalogues and product data sheet along with the offer.</p> <p>A detailed point wise technical compliance statement should be enclosed along with the offer. Deviations if any from the tender specifications should be clearly highlighted.</p>				
03	Deep Freezer	<p>Product Title Hard Top Deep Freezer</p> <p>Product Volume 400 lt</p> <p>Cooling Type Static</p> <p>Refrigerant R290</p> <p>Defrost Type Manual Defrost</p> <p>Number of Doors 2</p> <p>Door Mechanism Swing/ Hinge Door</p> <p>Number of Compartments 1</p> <p>Lock Present Yes</p> <p>Inbuilt Lighting No</p> <p>Defrost Water Drain Present Yes</p> <p>Convertible Yes</p> <p>Wattage (watts) 260</p> <p>Power Requirement (In Volts) 230V/50Hz/1Ph</p> <p>Stabilizer Free Operation Yes</p> <p>Wheels Type Dual Roller Type</p> <p>Wheels Present Yes</p> <p>Number of Baskets / Shelves 1</p> <p>Basket / Shelf type Wire</p>	01			
04	Colony Counter	<p>Automated Cell Counter -Count cells quickly, accurately, and consistently within 30 sec using the built-in auto-focus. Should have Autofocus technology and sophisticated image analysis algorithm to eliminate the subjectivity of manual cell counting. To be able to Counts cell lines, primary cells (from tissue or blood), and stem cells. Should have Cell Gates, On-board dilution calculator, USB port, Date storage: approx-100 Counts, Sample volume: 10µl, Cell diameter range: 6-50 microns; Cell concentration range: 5x10⁴ - 1x10⁷ cells/ml .Counting chamber depth: 100µm; Optimal cell concentration range, cells/ml-1 x 10⁵-5 x 10⁶</p>	01			
05	Light Microscope	<p>Type Upright compound microscope with Koehler illumination</p> <p>Control Display 5-element display on either side of the stand and long-life blue LEDs. This intensity display is well readable from several meters distance.</p> <p>Bright field</p> <p>Illumination LED illumination 3W white-light, 3200K, lifetime 25000hours</p> <p>Homogeneous field illumination 20mm</p> <p>Microscope can perform plug-on swiveling mirror</p> <p>Optical system Color-corrected infinity optics</p> <p>Eyepiece A pair of eyepieces 10x suitable for spectacle wearers and retro fittable eye piece pointer</p> <p>Eyepiece with field of view of 20mm</p> <p>Eyepieces secured with setscrews against unauthorized removal</p> <p>Objectives With High quality objectives of the Plan-Achromat class:</p>	02			

		<p>Plan-Achromat4x/0.10 Plan-Achromat10x/0.25 Plan-Achromat40x/0.65 Plan-Achromat 100x/1.25 Oil, WD=0.14mm, incl. Immersion oil,5ml 4-position nosepiece tilted back and objectives secured against unauthorized removal Condenser With Abbe condenser0.9/1.25 Viewing Tube Viewing with 30° angle and field of view20mm Siedentopf "up and down" position for 2 different viewing heights WithInterpupillaryDistancecontinuouslyvariablefrom48to 75mmbyasymmetricfoldingofthebinocular part Tube is secured against dropping by specialdovetail Stage Mechanical reckless stage with Long-lived stage surface With well-readable vernier and robust controls Stage size 140x140, travel range75x40 Extremely stable stand to broad base and low center of gravity Power with power unit integrated into stand by way of a parking position with cable storage in the stand rear wall. Ergonomic shape for convenient, safe carrying. With Wide-range power pack with country-specific power cable With IEC adapter for conversion into a bench-top power pack With external unit that is easy to change in case of defect With Power of 100-240V and50-60Hz Carrying Handle With carrying handle that is completely integrated intostand With ergonomic shape for convenient and safe carrying Dust cover With dust Cover Anti-fungus treated optics Must provide anti-fungus certification from manufacturer. Warranty 5 years warranty</p>				
06	Ultra Turax	<p>Should process volumes from 200µl to 5000 mL Variable speed controller from 5000 to 25000 rpm Should have 850-Watt Power or better Should have 20 mm shaft and rotor stator generators for low to normal viscosity liquids System should be supplied with stand, clamp Should have LED display for speed, programmable speed and timer control System should be CE and RoHS compliant</p>	01			
07	Stomacher	<p>Sample Processing from 5 – 80 ml or more Adjustable process times 30 to 120 seconds & paddle speeds Sample Sterile Bags 2000 qty should be provided with system Sample Bag Rack 10 places should be provided with system Installation and Demonstration free of cost Should be CE certified Warranty 2 Years Installation reports of minimum 5-users to be provided</p>	01			
08	Mini Centrifuge	<p>Maximum Rotational Speed: 15,000 rpm Maximum centrifugalforce(rcf): 21,000 x g Temperature settings -10 °C to 40 °C Noise level - <54 dB(A) Standard rotor 24 x 1.5/2.0ml, aerosol-tight lid with QuickLock Certified Aerosol tight rotor for safe centrifugation of samples Short function without continuous pressing of the key</p>	01			

		<p>Finished time function that displays the time elapsed after the centrifuge run is completed</p> <p>Built-in condensation drain to eliminate water accumulation</p> <p>ECO shut-off for reduced energy consumption and extended compressor life</p> <p>Foil keypad version for easier cleaning of the display</p> <p>Automatic lid opening at the end of the centrifuge run</p> <p>Soft-touch one-finger lid closure for ergonomic operation.</p> <p>Centrifuge should be supplied with one PCR Strip Rotor 4x8-TUBE PCR-STRIP</p> <p>Important Note: Simply Copying and Paste specifications will disqualification of Bidder. Web link to be provided for the Quoted Model. As a part of Technical evaluation bidder may ask for Demonstration for verifications of specifications, if required.</p>				
09	Refrigerator	340 liters inverter convertible	02			
10	Digital thermometer	Temperature range -40 to 250 °C, digital display, stainless steel probe	01			
11	Light Cabinet	220 L capacity with glass door; Shelf Life studies	01			
12	GC, HPLC Columns	For vitamins, sugars, organic acids, chemical preservatives, amino acids, fatty acids, aflatoxins etc				
13	Hot air oven	<p>The chamber should be made of Stainless Steel and should be easy to clean.</p> <p>The chamber external housing should be made of textured stainless Steel.</p> <p>The chamber capacity > 30 Litres.</p> <p>The temperature range should be Ambient less 10° C upto + 300° C.</p> <p>The temp variation in time at 150° C should be < +/- 0.6 Kor better and temp uniformity should be < +/- 2K or better.</p> <p>The unit shall be fitted with 1 Nos Stainless Steel grids and there should be facility to Accommodate 3 Nos additional grids/shelves.</p> <p>The heating elements should be located on all 4 sides to ensure temp homogeneity inside the Oven.</p> <p>The unit should be equipped with a fan for internal air circulation and it should be possible to adjust the fan speed from 0 % to 100% in steps of 10 %.</p> <p>There should be provision for adjusting the fresh air intake and the fresh air should be preheated before it enters inside the oven to ensure that there is no sudden drop in temperature.</p> <p>The outer door should be insulated and should be made of Stainless Steel.</p> <p>The controller should have a indication / setting accuracy of 0.1 ° C or better.</p> <p>The unit should be equipped with mechanical temperature limiter.</p> <p>The unit should have 1 independent PT 100 sensor for measuring the temperature.</p> <p>The controller should have one high resolution TFT Color display and the internal data logger should be capable of storing the test data for app 8 years or more.</p> <p>The unit shall be equipped with a Ethernet Interface for downloading the internal data if required.</p> <p>The controller should have facility to be recalibrated without connecting to an external PC.</p>	01			

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

Place:

Date: