

TENDER NOTICE

INTERNATIONAL ISLAMIC UNIVERSITY ISLAMABAD (IIUI) invites sealed bids from the Original Manufacturer / Authorized Distributors (With Valid Authorization/Distribution Certificate)/ Suppliers registered with Income Tax and Sales Tax Departments and who are on **Active Taxpayers List (ATL)** of the Federal Board of Revenue for the Purchase of Lab Equipment/Items under its approved Mega PC-I titled: "*Expansion and Upgradation of International Islamic University Islamabad*" for the following Departments/Centers:

Sr. No.	Name of Department/Centre	Items' Description	Tender Submission Date & Time (On OR Before)	Tender Opening Date & Time	Tender Fee (Rs.)
1.	Procurement of Lab Equipment for "Center for Advanced Electronics & Photovoltaic Engineering (CAEPE)"	Different Lab/Consumable Items: Compact Precision Screen Printing Film Coater, Long Tape Casting Coater, Broad Beam Metal Implanter, 1200°C Quartz Tube Furnace, Economical 4" Mask Aligner, Heavy Duty (12") Precision Grinding Polishing Machine, Consumables Items (Wafers, Chemicals, Source Material)	24-05-2022 10:30 A.M	24-05-2022 11:00 A.M	3,000/-
2.	Procurement of Lab Equipment for "Department of Civil Engineering (DCE), FET (Male)"	Shear Strength Machine, Electric Hoist Crane, Reaction Frame (Shear Reaction Frame)			2,000/-
3.	Procurement of Lab Equipment for "Department of Electrical Engineering (DEE), FET (Male)"	Wireless Communication Trainers			2,000/-
4.	Procurement of Lab Equipment for "Department of Mechanical Engineering (DME), FET (Male)"	Accelerometer, Force Transducer, Impedance Head, Impact Hammer, Modal Shaker, Modal Striker, Data Acquisition System, Modal Analysis Software.			3,000/-

02. Bidding Documents, containing detailed Terms & Conditions etc. can be downloaded from PPRA & IIUI websites.

03. Sealed bids, prepared in accordance with the instructions in the bidding documents, must reach **on OR before** the above date & time at the following address:

Asstt. Director-II (P&S)
Room No. 213, 2nd Floor, Admin Block, New Campus, Sector H-10
International Islamic University Islamabad.
Tel: 051-9019255

04. Bids will be opened by the **Bid Opening Committee** as per above schedule/date & time in the **COUNCIL HALL, Admin Block, Sector H-10, New Campus, International Islamic University Islamabad** in the presence of bidders/their representative(s) who may like to attend the bid opening.

05. International Islamic University Islamabad reserves the right to accept or reject any or all bid(s) in terms of Rule-33 of Public Procurement Rules 2004.

Project Coordinator

Project Titled: *Expansion and Upgradation of IIUI*
International Islamic University Islamabad. Tel: 051-9019242

INTERNATIONAL ISLAMIC UNIVERSITY, ISLAMABAD

Purchase & Store Section, Admin Block, New Campus, Sector H-10, Islamabad.

Tel: 051-9019255 Fax: 051-9258073

No. 17/11/2022/P&S-

"TERMS AND CONDITIONS"

1. All clauses of the terms and conditions shall be binding on the bidder.
2. Original Manufacturer / Authorized Distributors (*with valid authorization / distribution certificate*) / Suppliers registered with Income Tax, Sales Tax Department and who are on Active Taxpayers List (ATL) of FBR, are eligible to participate in tender.
3. The bid should be submitted in sealed envelopes up to the specified deadline and bids will be opened as per schedule in the presence of available bidders or their representatives who may like to attend the bid opening.
4. The envelope should be addressed to:

Asstt. Director-II (P&S)
International Islamic University, Islamabad
Room No. 213, 2nd Floor, Admin Block, New Campus, Sector H-10, Islamabad.
Tel: 051-9019255
5. The envelope shall also bear the word "**CONFIDENTIAL**" and following identification tender/quotation for "**Purchase of Lab Equipment for (name of the department as mentioned on Tender Notice)**".
6. The bid form (BoQs) must be duly filled in, stamped and signed by the authorized representative of the bidder.
7. Installation, testing, commissioning and training etc. of supplied Lab Equipment(s) is the sole responsibility of local vendor.
8. Delivery Time (**Maximum of 120 Days**):
 - i) For items on FOR basis: After issuance of Supply/Purchase Order
 - ii) For items on CPT basis: After establishment of LC / TT (*As the case may be*).
9. The bid proposal(s) should be inclusive of:
 - i. All FREIGHT, PACKAGING CHARGES (Items deliverable at International Islamic University, Islamabad on "CPT Basis" as per BoQs Format).
 - ii. All taxes and duties prescribed by the government from time to time, on "FOR Basis" as per BoQs Format (Items deliverable to International Islamic University, New Campus, Sector H-10 Islamabad).
10. **The Payment Terms shall be:**
 - a) **INCOTERMS: CPT, Islamabad**
 - b) **Payment Terms: 100% LC at sight** with following terms & conditions:
 - i. 10% of the total invoice amount to be deposited by Local Supplier within 10 days after issuance of Purchase Order as **Performance Security** in the form of CDR in favor of "International Islamic University, Islamabad" and will be released after successful delivery and test run of ordered equipment at designated place in IIUI. In case of failure, Performance Security will be forfeited.
 - ii. 10% of the total invoice amount in the form of CDR in favor of "International Islamic University, Islamabad" to be deposited by Local Supplier for the Warranty Period after delivery and test run of ordered equipment as **Guarantee Money** covering our risk for the **Warranty Period**.

OR

- c) **Payment Terms: 100% Advance Payment through TT** with following terms & conditions:
- i. 110% of the total invoice amount to be deposited by Local Supplier within 10 days after issuance of Purchase Order as **Security and Performance Guarantee** in the form of CDR in favor of "International Islamic University, Islamabad" and will be released after successful delivery of ordered equipment at designated place in IIUI.
 - ii. 10% of the total invoice amount in the form of CDR in favor of "International Islamic University, Islamabad" to be deposited by Local Supplier for the Warranty Period after delivery of ordered equipment as **Guarantee Money** covering our risk for the **Warranty Period**.
 - d) For FOR quoted items: payment will be made after successful delivery of items, installation and inspection. 10% of the total value of the Purchase Order will be withheld by the IIUI from the payment of successful bidders on FOR Basis supplied items for the warranty period.
11. For the CPT quoted items; local vendor shall be the responsible for clearance of Lab Items from custom authorities and all expenses/expenditures of clearance will be paid by them. Transportation to deliver the equipment and loading/unloading at designated place in IIUI shall also be the responsibility of the local vendor. The IIUI will only assist for clearance of shipment(s) from Custom Authorities.
12. After opening of bids, International Islamic University, Islamabad will examine the bids for completeness as per tender document's Terms & Conditions AND Technical Specifications as per BoQs.
13. Purchase order(s) will be awarded to the lowest evaluated and technically recommended bidder (s) on the basis of item wise / subtotal wise / grand total wise according to the nature of BoQs/Compatibility requirements.
14. Procedure of open competitive bidding shall be: **Single Stage One Envelope Procedure**.
15. The finding(s) of the Evaluation Committee shall be final for which clarification can be sought in terms of Rule-33 of PPRA Rules 2004.
16. **If the vendor fails to deliver the goods / services to International Islamic University, Islamabad or delays the supply without a cogent reason, the following actions will be taken to safeguard IIUI interest:**
- a. Late Delivery Charges will be charged @ 02% per month of the total Purchase Order value;
 - i. For CPT quoted items: LD Charges will be deducted from 10% Security submitted by local vendor.
 - ii. For FOR quoted items: LD Charges will be deducted from the invoice of firm concerned.
 - b. If the vendor fails to deliver the goods / services during the extended period (if allowed) then the purchase / work order may be cancelled, Earnest money may be forfeited and the IIUI also reserves the right to blacklist the defaulter.
17. If the delivered goods / services are not according to the required quality standards / specifications, the same shall be liable to be rejected after inspection. The bidder/vendor will be required to REPLACE as per requirements mentioned in our BoQs at no cost to the IIUI, otherwise the purchase / work order will be cancelled after due date with confiscation of earnest money AND bidder will bear all cost and expenses thereof including actions proposed above.

18. All prices should be valid for at least **120 days**. Withdrawal or any modification of the original offer within the validity period shall entitle IIUI to forfeit the earnest money and put a ban on such vendor for participation in IIUI tenders / works.

19. It is the sole responsibility of the agent / supplier / manufacturer / vendor to comply with all the applicable laws.

20. Any dispute between the supplier and the IIUI, which cannot be settled amicably within 30 days after one party receives request of the other party shall be settled in accordance with the provisions of the Arbitration Act 1940. The President, IIUI shall appoint any of the Vice Presidents as Sole Arbitrator whose decision shall be and binding on both parties.

21. The IIUI reserves the right to modify the quantities of goods / services at any time before the award of purchase / work order and that shall not invalidate the quoted rates, terms & conditions.

22. **Earnest Money:** The bidder is required to furnish in form of "CDR" equivalent to 2% of the total Bid price (in PKR) as Earnest Money in favor of "International Islamic University Islamabad". Any bid not accompanied by the Earnest Money shall be rejected without any right of appeal. The earnest money shall be enclosed with the quotation in sealed envelope.

23. The bidder is also required to furnish Company Profile, Client List and Detail of similar Projects/Works along with the proposal.

24. **International Islamic University Islamabad reserves the rights to accept or reject the bid/s, if;**

- Received without earnest money.
- Received later than the date and time fixed for tender submission.
- The tender is unsigned/ unstamped.
- The offer is ambiguous.
- The offer is conditional.
- Offer is made by the unauthorized agent/ supplier of the original equipment manufacturer.
- The offer is from a firm, which is black listed by any Govt. Office/Public Sector Organization.
- Any unsigned / ambiguous erasing, cutting / overwriting etc. is made.
- Received without Company Profile, Client List and Detail of similar Projects/Works with evidence.
- Without Guarantee / Warrantee of the quoted equipment(s). (*Minimum **twelve (12) months** after the Goods, or any portion thereof as the case may be, have been delivered to and accepted.*)

25. The bidder should furnish a **CERTIFICATE** on judicial STAMP PAPER worth Rs. 100 as worded below in token of acceptance of all the terms and conditions of the tender. Otherwise, the tender will not be considered under any circumstances.

I / We

- **Company / Vendor Name:** _____
- **Postal Address:** _____
- **Tel. No:** _____ **Mob No.** _____
- **NTN# :** _____ **GST#:** _____

The undersigned certify that our above named Firm/Company is not blacklisted by any Government or Semi Government Department in Pakistan and the terms and conditions as contained in this document, viz "**Terms and Conditions**" are accepted unconditionally and **Special Conditions** as part of Supply Order are also accepted unconditionally.

For CPT quoted items: I/we shall be responsible to deliver (with transportation, loading/unloading) all original equipment(s) along-with accessories/manuals etc. (as per Packing List) at designated place(s) in IIUI after the clearance/release of equipment(s) from custom authorities on our expenses.

Sign & Stamp

Note:

1. Please make a copy of the BoQ and mention the quoted make, model, country of origin and detailed specifications for technical evaluation. Supporting literature of the quoted model must be attached for verification & technical evaluation of the required specification by the bid evaluation committee. In case of any clash found between the quoted model and the literature model, the item/bid may be rejected.
2. PRICES quoted in different currencies on CPT basis will be evaluated after converting them into PKR (local currency) at the EXCHANGE RATE prevailing at the State Bank of Pakistan on the date of Opening of Bid(s)
3. Terms & Conditions should be attached with the proposal; otherwise your tender/bid(s) may lead to rejection.
4. All pages of BoQs and Terms and Conditions should be signed and stamped by the authorized person / bidder.

SPECIAL CONDITIONS

1. Specifications and Standards:

- 1.1 The Supplier shall ensure that the Goods and Related Services comply with the technical requirements.

2. Packing and Documents:

- 2.1 The Supplier shall provide such packing of the Goods as is required to prevent their damage or deterioration during transit to their final destination as indicated, during transit, the packing shall be sufficient to withstand, without limitation, rough handling and exposure to extreme temperatures, salt and precipitation, and open storage. Packing case size and weights shall take into consideration, where appropriate, the remoteness of the Goods final destination and the absence of heavy handling facilities at all points in transit.

- 2.2 The Packing marking, and documentation within and outside the packages shall comply strictly with such special requirements as shall be expressly provided for in the Purchase Order, including requirements, if any and in any other instructions ordered by the Purchaser.

3. Transportation:

- 3.1 Unless otherwise specified, responsibility for arranging transportation of the Goods shall be in accordance with the specified Incoterms.

4. Warranty:

- 4.1 The Supplier warrants that all the Goods are new, unused, and of the most recent or current models, and that they incorporate all recent improvements in design and materials, unless provided otherwise by the Purchaser.

- 4.2 Unless otherwise specified in these conditions, the warranty shall remain valid for **twelve (12) months** after the Goods, or any portion thereof as the case may be, have been delivered to and accepted at the final destination indicated in these conditions or for eighteen (18) months after the date of shipment, from the port, or place of loading in the country of origin, whichever period concluded earlier.

- 4.3 The Purchaser shall give notice to the Supplier stating the nature of any such defects together with all available evidence thereof, promptly following the discovery thereof. The purchaser shall afford all reasonable opportunity for the Supplier to inspect such defects.

- 4.4 Upon receipt of such notice, the Supplier shall, **within the 30 days** expeditiously repair or replace the defective Goods or parts thereof, at no cost to the Purchaser (IIUI).

1. BoQs for the Supply of Lab Equipment for Centre for Advanced Electronics & Photovoltaic Engineering (CAEPE)

S. No	Equipment Name	BoQs/Specifications	Qty.	Make/ Model & Country of Origin	C&F Price	
					Unit Price	Total Price
1	Compact Precision Screen Printing Film Coater	Compact Precision Screen Printing Film Coater with Vacuum Chuck & Pump - EQ-SPC-1-LD or equivalent	01			
2	Long Tape Casting Coater	Long Tape Casting Coater 250mmW x 800mmL Vacuum Bed with Adjustable Doctor Blade and vacuum pump & Optional Heater - MSK-AFA-L800 or equivalent complete system with all accessories	01			
3.	Broad Beam Metal Implanter	HEMII-Broad Beam Metal Implanter or equivalent (such as Ion Source: Beam Evaporation Metal/Semiconductor Coater) with: Acceleration grid (upto 30 kV) or compatible electron gun with Ion Source with triggering Voltage/Power>10 kVA; Preferable Ion Source: Kaufman, Vacuum Chamber & Pumping System Substrate Holder (~150 mm wafer), Pulse Frequency/Beam Current 0-5mA or converged to maintain the power supply of 380 Volts, Usual Safety Shielding/Power Interlocks/PLC Control or automation system, Uniformity (better than 5% for HEMII or 3% for Ion Source System)	01			
4	1200°C Quartz Tube Furnace	1200°C Quartz Tube Furnace (2" O.D) with Glove Box Purification System (H ₂ O<2ppm) OTF-1200X-S-VGB5 or equivalent complete system with all accessories like vacuum pump, etc	01			
5	Economical 4" Mask Aligner	Economical 4" Mask Aligner with ~350 Watt UV Lmap; approximately 365 nm output beam intensity; Microscope system; Alignment Stage with wedge error compensation; operating interface; protective glasses and accessories; SWIN MA4 or equivalent	01			
6	Heavy Duty (12") Precision Grinding / Polishing Machine	Heavy Duty (12") Precision Grinding / Polishing Machine with Complete Accessories for polishing and grinding of wafers along with all the consumables, DISC, buffer sheets and different polishing compounds for variety of usage - EQ-Unipol-1210 or equivalent	01			
7	Misc: Consumables (Wafers)					
7.1	SiC-3C Undoped Epi Film on Silicon: (100) Wafer after epitaxy growth, 2.2 micron Thick, 10x10x0.525 mm		02			
7.2	SiC - 6H (0001), 2" dia., one side polished wafer		02			
7.3	SiC - 4H (0001), 2" dia., One side polished wafer		02			
8	Misc: Consumables (Wafers, Chemicals, Source Material),					
8.1	ZnO Film (0.5 um) on Sapphire (0001), 10x10x0.5mm, 1sp, undoped - FmZnOonAl ₂ O ₃		02			
8.2	Ga ₂ O ₃ -? Single Crystal Substrate, <-201> ori, 5x5x0.6mm, 1SP		01			
8.3	Ga ₂ O ₃ -beta Single Crystal Substrate, <010>+/-1 degree ori, 5 x 5 x 0.35mm, 2SP		01			
8.4	ITO Coated Plastic PET Film, 0.175mm Thick x 300mm Width x 300mm Length, 14 ohm/sq, ITO layer: 115nm+/- 10nm		03			
8.5	ITO target for Magnetron sputtering, 99.99% size(mm): D50x3mm,		02			
8.6	Ag target for Magnetron sputtering, 99.99% size(mm): D50x3mm		02			
8.7	High Conductive Silver Epoxy for Target Bonding: Volume Resistivity < 0.001 ohm-cm, Excellent electrical conductivity, High-strength conductive bonding		02			

Note: Required items must be of the same specs as mentioned above or Equivalent.

For any technical queries; please contact:

Prof. Dr. Ahmed Shuja Syed, Executive Director

ahmed.shuja@iiu.edu.pk/shoaib.alam@iiu.edu.pk (051-9019927)

2. **BoQs for the Supply of Lab Equipment for Department of Civil Engineering (DCE), FET**

S. No	Equipment Name	BoQs/Specifications	Qty	Make/ Model & Country of Origin	FOR Price (with taxes)	
					Unit Price	Total Price
1.	Shear Strength Machine	Triaxial test apparatus is used for the determination of shear strength of soil sample. ➤ Capacity: 50 KN ➤ Speed: 0.00001 to 51 mm/min ➤ Vertical Clearance: 900mm to 1000mm ➤ Horizontal Clearance: 300 to 400mm ➤ Platen travel: 100 to 150 mm ➤ Platen Diameter: 150 to 200 mm ➤ Complete Cell for various ranges of samples ➤ All required accessories for drained, undrained, consolidated testing	01			
2.	Electric Hoist Crane	The crane is used for shifting heavy test samples and testing equipment's within the premises of laboratory ➤ Capacity up to 3 Tons ➤ Provided with appropriate accessories ➤ Complete assembly ➤ Electrically operated machine	01			
3.	Reaction Frame (Shear Reaction Frame)	➤ Length = 4 m, Width = 4 m, Height = 4 m ➤ Vertical load capacity = 150 Ton ➤ Lateral Load = 100 Ton ➤ Hydraulic Jack Capacity 100Ton, Travel 200mm c/w Hand operated Pump, Digital Display of Load and hose suitable for shear frames testing. ➤ Hydraulic Jack Capacity 50Ton, Travel 200mm c/w Hand operated Pump, Digital Display of Load and hose suitable for shear frames testing.	01			

Note: Required items must be of the same specs as mentioned above or Equivalent.

For any technical queries; please contact:

Dr. Khanzaib Jadoon, Chairman, DCE

khanzaib.jadoon@iiu.edu.pk (051-9019404/9019962)

3. **BoQs for the Supply of Lab Equipment for Department of Electrical Engineering (DEE-Male), FET**

S. No	Equipment Name	BoQs/Specifications	Qty.	Make/ Model & Country of Origin	FOR Price (with taxes)	
					Unit Price	Total Price
COMMUNICATION LAB						
1.	Wireless Communication Trainers	Wireless/Mobile Phone Trainer for learning of all the blocks of Wireless/Mobile Communication Systems including audio frequency, radio frequency, control, communication Integration and implementation of AT commands for 4G or 3G mobile communication.	05			
		IoT Wireless Communication Kit to implement different wireless technologies e.g., Bluetooth, infrared, Zigbee and LoRa etc.	05			

Note: Required items must be of the same specs as mentioned above or Equivalent.

For any technical queries; please contact:

Dr. Suheel Abdullah Malik, Chairman, DEE
suheel.abdullah@iiu.edu.pk (051-9019491/9019581)

4. BoQs for the Supply of Lab Equipment for Department of Mechanical Engineering (DME), FET

S. No	Equipment Name	BoQs/Specifications	Qty.	Make/ Model & Country of Origin	FOR Price (with taxes)	
					Unit Price	Total Price
1.a	Accelerometer	Piezoelectric Accelerometers 10-32 side connector, 10-32 mounting hole, isolated, TEDS 50g range, 100mV/g	10			
		Piezoelectric Accelerometers 4-pin side connector, adhesive mount, miniature, low noise, TEDS 50g range, 100mV/g	04			
		Accessories Petro(TM) mounting wax, 20 grams - 10.00				
		Accelerometer calibrator, hand-held, battery powered Product Handheld shaker, 1g at 159.2 Hz (for up to 210 grams total weight of sensor, cable and mtg. accessories).	01 piece			
1.b	Force Trasducer	Force Sensors: Radial Connector, ¼-28 tapped hole both ends 500 LbF range, 10mV/LbF	03			
		Force Sensors: Radial Connector, ¼-28 tapped hole both ends 10 LbF range, 500mV/LbF	03			
		Force Sensors: Radial Connector, ¼-28 tapped hole both ends 50 LbF range, 100mV/LbF	03			
		Force Sensors Radial Connector, ¼-28 tapped hole both ends 5,000 LbF range, 1mV/LbF	03			
1.c	Impedence Head	Piezoelectric Accelerometers Force, two 1032 radial connectors, 1032 tapped hole, 60 grams, 100 to +250°F Operation 100 mV/g, 100 mV/LbF	03			
1.d	Impect Hammer	Force Sensors Super light miniature, with head extender 50 LbF range, 100 mV/LbF, head weight 02 grams	01			
		Force Sensors BNC Connector, includes 3 impact tips 1,000 LbF range, 5mV/LbF Head weight 100 grams	01			
		Force Sensors BNC Connector, includes 3 impact tips 500 LbF range, 10mV/LbF Head weight 100 grams	01			
		Force Sensors BNC Connector, includes 3 impact tips 100 LbF range, 50mV/LbF Head weight 100 grams	01			
		Force Sensors: BNC Connector, includes 3 impact tips 50 LbF range, 100mV/LbF Head weight 100 grams	01			
		Force Sensors: Sledge hammer, 3 pound head, includes 4 impact tips 5,000Lbf range, 1mV/Lbf	01			
		Force Sensors: Sledge hammer, 1 pound head, includes 4 impact tips 5,000 LbF range, 1mV/LbF	01			
		Force Sensors: Sledge hammer, 12 pound head, includes 4 impact tips 5,000 LbF range, 1mV/LbF	01			

1.e	Modal Shaker	Modal Shakers – MS Series 200N Force – Cooling fan (with cables and fuse)	01			
1.f	Modal Srtinger	Modal Shaker Accessories Elastic Rods Kit Include: 3 Push/Pull steel stinger L 500mm D 3.5mm one 3.5mm collet chuck Incl 3 adpators 3.5mm to 10-32 UNF 5 Push/Pull Steel stinger L 200 D 3,5 3 Push/Pull Steel stinger L 500 D 2,5 mm, one collet Chuck incl. 5 Push/Pull Steel stingers L 200 D 2,5	01			
1.g	Data Acquisition System	SCADAS Recorder 1-slot front-end, dual source, dual tacho (one of which can be switched to digital/analog SYNC/IRIG-B mode to support Sound Camera), WiFi, GPS, single CAN-bus, embedded compact flash card reader, AC-DC adapter and internal battery. The unit can operate in fully autonomous mode without connecting to PC or PC-based operation via standard Ethernet (UTP) interface. The unit has a standard Ethernet (UTP) interface, battery time of at least 64 minutes and is certified according to MIL-STD-810F standard. The frontend provides Remote on/off functionality with SCX-CAS22 adapter cable OR Equivalent	01			
		SCADAS The V8E is an eight-cannel module (with CAMAC connectors) supporting V/ICP inputs with TEDS support. The module is enhanced with 204.8kHz sampling frequency and more than 150dB dynamic range or Equivalent	01			
		SCADAS: Solid state memory data storage using high performance compact flash card or Equivalent	01			
1.h	Modal Analysis Software	SCADAS Software (Compatible) High performance Desktop system (Compatible with the above equipment) License Software (up to 50seats)	01			

**Note: Required items must be of the same, equivalent or higher spec.
Items from serial no 1.a to 1.h should be quoted/supplied as complete package and should be compatible with each other. "**

For any technical queries; please contact:

Engr. Dr. Syed Athar Masood, Chairman, DME
athar.masood@jiu.edu.pk (051-9019497/9019775)