



COMSATS University Islamabad (CUI), Lahore Campus
Defence Road, Off Raiwind Road, Lahore

Tender No. CUI-LHR-TN-23-1681
 Case # 3797

Invitation to Bid

(Single Stage Two Envelope Procedure)

Equipment for IRCBM Under HEC NRPU Project, Development of Halal Uni & Bi Functional Bioactive Scaffolds for Advanced Hard Tissue Repair

Part: A GENERAL TERMS AND CONDITIONS

1. *All pages of bidding documents are mandatory to be signed / stamped, meaning thereby bidder agrees to our terms & conditions mentioned herein, failing which the bid may be rejected.*
2. *Any addition, deletion or modification of any clause of the procurement terms & conditions/BoQs of CUI-Lahore Campus by any vendor will not be acceptable and may lead to rejection of the bid.*
3. *Only registered Suppliers, who are on Active Taxpayers List (ATL) of FBR (GST & Income Tax), are eligible to participate in tender.*
4. The contract will be executed and handed over in satisfactory conditions up to the entire satisfaction of COMSATS University Islamabad, Lahore Campus.

5. Tender Fee & Earnest Money/CDR

- a. Documents along with Pay Order / Demand Draft amounting to **Rs. 2,500/-** as a tender documents fee (Non-Refundable) shall be submitted in favor of COMSATS University Islamabad, Lahore to the address given below. No proposal/bid will be accepted without tender documents' fee.
- b. The bidder is required to furnish in form of Bank deposit/ CDR / Pay order equivalent to **2% of the total bid price** as Earnest Money crossed in favor of "COMSATS University Islamabad, Lahore Campus", which shall be released after the completion of work / supply on submission of written request on firm / company letterhead. Any bid not accompanied by Earnest Money shall be rejected without any right of appeal.
- c. **Kindly attach the Tender fee with Technical Bid and Bid money / CDR with Financial Bid.**

6. COMSATS University Islamabad, Lahore Campus will **retain 5% of the total value of the Invoice as security against items where warranty is required in our BoQs.** The retention money will be released after the warranty period subject to a satisfactory report by the end user. The warranty period will be counted from the date of delivery/supply or installation (as the case may be).
7. Part / Advance payments is not allowed.
8. The exact completion/delivery time from the date of the purchase / work order will be **60 days.** The handing over / completion time for this contract is of critical importance.
9. Your bid proposal should be inclusive of freight and all taxes to be delivered at COMSATS University Islamabad, Lahore Campus's premises.
10. Applicable Income tax and GST will be deducted at source/as per rules. In case of exemption, please mention and attach the proper documentation duly verified from the concerned tax authorities/FBR; however, CUI will be final authority to accept or reject the exemption certificate. In case of rejection, CUI will deduct all applicable taxes as per tax rate. CUI will provide a certificate of tax deduction and the vendor may claim refunds from Tax Authorities/FBR.
11. Multiple rates of an item may also lead to the rejection of bid / item.
12. After opening of bids, COMSATS University Islamabad, Lahore Campus will examine the bids for completeness as per tender document.
13. In case more than one bidder have quoted same rates for an item; the bidder securing more items (in terms of cost) will be awarded the specific item.
14. Purchase order (s) will be awarded to the evaluated lowest bidder (s) on **item wise basis** .
15. The bid should be submitted in a sealed envelope up to **September 06, 2023** on or before **1400hrs** and will be opened on the same date **at 1430hrs** in the presence of available bidders. In case of any holiday is announced by the Govt. OR any unforeseeable circumstances that prevent the tender from being opened on the date announced (Force Majure Situation), the tenders will be opened on the very next working day. Timing will remain as mentioned in the tender notice.
16. COMSATS University Islamabad, Lahore Campus, will follow the PPRA rule of **single stage two envelope procedure;**
 - i. The bid shall comprise a single package containing **two separate envelopes.** Each envelope shall contain separately the **financial proposal** and the **technical proposal;**
 - ii. The envelopes shall be marked as **“FINANCIAL PROPOSAL”** and **“TECHNICAL PROPOSAL”** in bold and legible letters to avoid confusion;
 - iii. Initially, only the envelope marked **“TECHNICAL PROPOSAL”** shall be opened;
 - iv. The envelope marked as **“FINANCIAL PROPOSAL”** shall be retained in the custody of the procuring agency without being opened;

- v. The procuring agency shall evaluate the technical proposal in a manner prescribed in advance, without reference to the price and reject any proposal which does not conform to the specified requirements;
 - vi. During the technical evaluation no amendments in the technical proposal shall be permitted;
 - vii. The financial proposals of bids shall be opened publicly at a time, date and venue announced and communicated to the bidders in advance;
 - viii. After the evaluation and approval of the technical proposal the procuring agency, shall at a time within the bid validity period, publicly open the financial proposals of the technically accepted bids only. The financial proposal of bids found technically nonresponsive shall be returned un-opened to the respective bidders;
 - ix. and
 - x. The bid found to be the lowest evaluated bid shall be accepted.
17. The envelope should be marked as under;
- Secretary, Purchase Committee**
COMSATS University Islamabad, Lahore Campus
Defence Road, Off Raiwind Road, Lahore.
Tel: 042-111-001-007, Ext: 875
18. The envelope shall also bear the word “**CONFIDENTIAL**” and following identification quotation of **“Equipment for IRCBM Under HEC NRPU Project, Development of Halal Uni & Bi Functional Bioactive Scaffolds for Advanced Hard Tissue Repair”**.
19. The bid form (BoQs) must be duly filled in, stamped and signed by the authorized representative of the bidder.
20. If the vendor fails to deliver the goods / services to COMSATS University Islamabad (CUI), Lahore Campus within the given deadline, any of the following can be opted by CUI Lahore campus on the recommendation of the end user and approval of the authority;
- a. An extension in the delivery period may be granted in case a valid reason/justification with necessary documentary evidence is provided by the vendor supporting the reason for delay.
 - b. A penalty upto 10% of the invoice value may be charged.
 - c. Purchase order may be cancelled along with confiscation of earnest money if the vendor fails to deliver the goods / services after the initial or extended delivery time, as the case may be.
21. 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 vendor would be required to supply as per requirements mentioned in our BoQs, otherwise the purchase / work order will be cancelled after due date with confiscation of earnest money.
22. Any defective / sub-standard item (s) will be replaced by the bidder in same quoted cost. In case of failure to supply the specific item, CUI-Lahore may issue PO to next lowest bidder to supply the item while the difference of amount will be deducted from the 1st lowest bidder’s earnest money.
23. Deduction of Income Tax and any other tax will be deducted at source according to Government prevailing rules.
24. Payment will be made as per PPRA rule on submission of Invoice in the name of “COMSATS University Islamabad, Lahore Campus” with a copy of delivery challan (s) after the complete order has been supplied, inspected and accepted which includes delivery / installation, and COMSATS acceptance / inspection thereof.

Signature & Stamp of Bidder

- 25. All prices should be quoted on F.O.R (Pak Rupees) inclusive of all applicable taxes.
- 26. All prices should be valid for at least **60 days**. Withdrawal or any modification of the original offer within the validity period shall entitle CUI- Lahore to forfeit the earnest money in favor of the CUI-Lahore and / or put a ban on such vendor participation in tenders / works.
- 27. It is the sole responsibility of the agent / supplier / manufacturer to comply with the applicable laws, be national or international.
- 28. In case of any dispute or grievance, the matter shall be addressed as per PPRA rules.
- 29. The CUI-Lahore Campus reserves the right to modify the quantities of goods / services at any time before the award of purchase / work order.
- 30. The prices / cost will be considered as inclusive of all applicable taxes.
- 31. CUI-Lahore Campus shall disqualify any firm(s), if at any stage; it finds that the information submitted, or documents provided are inaccurate, fake, ambiguous or incomplete.
- 32. COMSATS University Islamabad, Lahore Campus reserves the rights to accept or reject the bid if;
 - i. Received without earnest money
 - ii. Received later than the date and time fixed for tender submission
 - iii. The tender is unsigned/ unstamped
 - iv. The offer is ambiguous
 - v. The offer is conditional
 - vi. The offer is from a firm, which is black listed by any Govt. Office.
 - vii. The offer is received by telephone/telex/fax/telegram.
 - viii. Any unsigned / ambiguous erasing, cutting / overwriting etc. is made.
- 33. The bidder should furnish a certificate 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.
- 34. The undersigned affirm that the terms and conditions as contained in this document have been read and accepted and that in the event of selection of my/our rate the agreement in the prescribed form will be entered into:

- **Company / Vendor Name:**.....
- **Postal Address:**.....
- **Tel. / Mobile:**.....**Email:**.....
- **NTN# :**.....**GST#:**.....
- **Signature:**

Please also attach the Certificate supporting being Active Taxpayer as per requirement of FBR.

Part: B. BoQs of Equipment for IRCBM Under HEC NRPU Project awarded to Dr. Aqif Anwar Chaudhary, Development of Halal Uni & Bi Functional Bioactive Scaffolds for Advanced Hard Tissue, CUI-Lahore Campus

Technical Portion (Please mention the quoted model/ brand/item in technical portion with no mention of price otherwise the bid will be rejected)

No change in the BoQs (Specs & Qty.) of CUI-Lahore Campus, as detailed below, is allowed. Any additional information may be mentioned in the blank columns (i.e. model / brand or Price). Any modification in CUI-Lahore Campus BoQ may lead to rejection of bid (fully or partially).			Please mention the Quoted Model / Brand with meeting the all specifications mentioned in BoQs	
Sr. #	Item Name & Specifications	Qty		
1	<p><u>Pump</u> Type – Peristaltic, Flow Range: 0.1 ml/min (or lower) to 700 ml/min (or higher), Digital Display, reverse direction flow possibility, minimum 1 meter length tubing (contamination free material), multiple channel (2 or more) Warranty: Minimum 1 year.</p>	1	Nos.	
2	<p><u>Pump</u> Type: Dosing, Maximum Flow Rate: 9L/h or higher, Flow rate should be accurate to 1 ml/min, Maximum Pressure: 10 bar, digital display, Chemical resistant diaphragm (PTFE) and pump head (PTFE/PVDF), with the following tubing and fittings. <ul style="list-style-type: none"> - 4 mm (ID) x 6 mm (OD) PTFE tube 20 meters - 2 mm (ID) x 3 mm (OD) PTFE tube 20 meters (Two pieces each mentioned below fittings, per pump) <ul style="list-style-type: none"> - PTFE unions for 6mm OD tubing - PTFE unions for 3mm OD tubing - PTFE cross-piece for 6mm OD tubing - PTFE cross-piece for 3 mm OD tubing - PTFE T-piece for 6mm OD tubing - PTFE T-piece for 3 mm OD tubing - PTFE reducing union for 3mm – 6mm OD tubing Warranty: minimum 1 year</p>	2	Nos.	
3	<p><u>Hotplate</u> Hotplate with magnetic stirrer, Maximum Temperature: 250 degrees Celsius or higher, stirring 100-1500 RPM or higher, Ceramic coated top, Top plate size: 150 x 150 mm or larger, Speed display resolution: ±1rpm, with Temperature probe</p>	2	Nos.	
4	<p><u>Heating Bath</u> A customized heating bath needed as per the specifications below; Stainless Steel Tank – 150 litres capacity of more – should be 90 cm in height and 45 cm in width (or close to these dimensions). The tank should be of ideal steel composition (304 SS or better). It will be used to heat water (to 100 degrees Celsius) and Oil (to 150 degrees Celsius). Heating System: The bath should have a removable heating system, which is corrosion free and should be able to heat the full volume of the stainless steel tank to 150 degrees Celsius. There should be a digital temperature display and temperature selection option on the temperature controller (1</p>	1	Nos.	

Signature & Stamp of Bidder

	<p>degree Celsius resolution). The temperature reading for heater operation, should be taken from the geometrical centre of the tank and there should be a provision to adjust height of the immersed temperature reader.</p> <p>Connections and Drains -Three equi-distant (on the circumference) 4 x 6 mm PTFE unions, placed at the bottom of the tank, should be in place. Alternatively, a mechanism which facilitates passing through of a 4 x 6 mm PTFE pipe without leakage of the fluid inside, would also be acceptable. A separate drain at the bottom of the tank should be present to allow drainage of the tank.</p> <p>Other Requirements: The top of the tank should have a removable cover, with multiple holes/slots in it to immerse heaters/stirring rods and other pipes/wires. The outside body should also be insulated adequately to avoid heat-losses. 1 additional heating element, 1 additional heater controller, PTFE-connection spares (at least 3) should also be included. 2 digital thermometers (room temperature to 150 degree Celsius). The tank must not buckle outwards due to the presence of fluid inside and not buckle inwards upon physical handling – the thickness of the SS sheet should be chosen accordingly. Proof of the material being of the relevant class should be provided (SS class and PTFE confirmation). Warranty: minimum 1 year.</p>			
5	<p>Heating Bath 20 litres volume or more, digital temperature display, 150 degrees Celsius or higher, temperature controller, 0.1 degree Celsius temperature resolution, automatic run after power interruption, Stainless Steel Corrosion Proof sink with aesthetic exterior, Water Drainage provision. Warranty: minimum 1 year.</p>	1	Nos.	
6	<p>Overhead Stirrer 60 Liters or more High torque Speed range 10 – 2500rpm Viscosity: up to 25,000 mPa*s Permissible maximum shaft diameter - 8.5 mm or more, With built in safety system for overload protection, Warranty: minimum 1 year.</p>	2	Nos.	
7	<p>Balance Analytical balance for weighing purposes, 0.1mg to 220g, Digital display, Levelling Bubble, Internal Calibration, Calibration weights (stainless steel, 1mg – 200 mg range, multiple pieces) Warranty: minimum 1 year.</p>	2	Nos.	

Part C: Bid Evaluation Criteria

All bids shall be evaluated in accordance with the following evaluation criteria and other terms & conditions set forth in this bidding document.

- 1. Please submit the technical and financial bid (rates) on our prescribed BoQs Form with complete terms and conditions signed & stamped, otherwise your bid (s) may be rejected.**
- 2. Brand name / model must be mentioned against items where required failing which the bid / item (s) may be rejected. Manufacturing origin can only be accepted against items where mentioned specifically in the BoQ form.**

3. Supporting literature of the quoted model must be attached (where available/required) for perusal of CUI Lahore to technically assess that the quoted item meet the required specifications and other conditions of our BoQs / tender document.
4. The bids shall be evaluated to strictly ensure that the quoted brand/ model/ item meet all the BoQ/ specification requirements given in the tender document for each item.
5. In addition to the BoQ requirements, vendors must meet the vendor qualification criteria /company profile requirements (if any), as set forth in this tender document.
6. Bidders are requested to quote genuine / quality products without compromising on quality. The supplied products shall be inspected by our technical experts with respect to BoQs requirements and quality standards.

Part D: Financial Portion

(Price and Brand/Model/Item to be mention only in Financial Proposal in a separate sealed envelope) Strictly on our BoQs Form.

Vendors are required to provide both unit and total price of each item and calculations must be made carefully to avoid mistakes. However, in case, total price does not match with the unit price and quantity due to calculation error or typo error, any of the following can be opted

1. The bid may be rejected on the reason of ambiguity (OR)
2. Unit price will be considered as final and total price of the respective item will be calculated by multiplying it with the quantity required. Sub-totals and grand total will also be corrected accordingly

No change in the BoQs (Specs & Qty.) of CUI-Lahore Campus, as detailed below, is allowed. Any additional information may be mentioned in the blank columns (i.e. model / brand or Price). Any modification in CUI-Lahore Campus BoQ may lead to rejection of bid

Rates to be quoted inclusive of all (applicable) taxes

Sr. #	Item Name & Specifications	Qty	Quoted Model / Brand	Unit Price (Rs.)	Total Price (Rs.)
1	<p><u>Pump</u> Type – Peristaltic, Flow Range: 0.1 ml/min (or lower) to 700 ml/min (or higher), Digital Display, reverse direction flow possibility, minimum 1 meter length tubing (contamination free material), multiple channel (2 or more) Warranty: Minimum 1 year.</p>	1 Nos.			
2	<p><u>Pump</u> Type: Dosing, Maximum Flow Rate: 9L/h or higher, Flow rate should be accurate to 1 ml/min, Maximum Pressure: 10 bar, digital display, Chemical resistant diaphragm (PTFE) and pump head (PTFE/PVDF), with the following tubing and fittings. - 4 mm (ID) x 6 mm (OD) PTFE tube 20 meters - 2 mm (ID) x 3 mm (OD) PTFE tube 20 meters (Two pieces each mentioned below fittings, per pump) - PTFE unions for 6mm OD tubing - PTFE unions for 3mm OD tubing</p>	2 Nos.			

	<ul style="list-style-type: none"> - PTFE cross-piece for 6mm OD tubing - PTFE cross-piece for 3 mm OD tubing - PTFE T-piece for 6mm OD tubing - PTFE T-piece for 3 mm OD tubing - PTFE reducing union for 3mm – 6mm OD tubing <p>Warranty: minimum 1 year</p>				
3	<p>Hotplate Hotplate with magnetic stirrer, Maximum Temperature: 250 degrees Celsius or higher, stirring 100-1500 RPM or higher, Ceramic coated top, Top plate size: 150 x 150 mm or larger, Speed display resolution: ± 1rpm, with Temperature probe</p>	2	Nos.		
4	<p>Heating Bath A customized heating bath needed as per the specifications below; Stainless Steel Tank – 150 litres capacity of more – should be 90 cm in height and 45 cm in width (or close to these dimensions). The tank should be of ideal steel composition (304 SS or better). It will be used to heat water (to 100 degrees Celsius) and Oil (to 150 degrees Celsius). Heating System: The bath should have a removable heating system, which is corrosion free and should be able to heat the full volume of the stainless steel tank to 150 degrees Celsius. There should be a digital temperature display and temperature selection option on the temperature controller (1 degree Celsius resolution). The temperature reading for heater operation, should be taken from the geometrical centre of the tank and there should be a provision to adjust height of the immersed temperature reader. Connections and Drains -Three equi-distant (on the circumference) 4 x 6 mm PTFE unions, placed at the bottom of the tank, should be in place. Alternatively, a mechanism which facilitates passing through of a 4 x 6 mm PTFE pipe without leakage of the fluid inside, would also be acceptable. A separate drain at the bottom of the tank should be present to allow drainage of the tank. Other Requirements: The top of the tank should have a removable cover, with multiple holes/slots in it to immerse heaters/stirring rods and other pipes/wires. The outside body should also be insulated adequately to avoid heat-losses. 1 additional heating element, 1 additional heater controller, PTFE-connection spares (at least 3) should also be included. 2 digital thermometers (room temperature to 150 degree Celsius). The tank must not buckle outwards due to the presence of fluid inside and not buckle inwards upon physical handling – the thickness of the SS sheet should be chosen accordingly. Proof of the material being of the relevant class should be provided (SS class and PTFE confirmation). Warranty: minimum 1 year.</p>	1	Nos.		

5	<p><u>Heating Bath</u> 20 litres volume or more, digital temperature display, 150 degrees Celsius or higher, temperature controller, 0.1 degree Celsius temperature resolution, automatic run after power interruption, Stainless Steel Corrosion Proof sink with aesthetic exterior, Water Drainage provision. Warranty: minimum 1 year.</p>	1	Nos.			
6	<p><u>Overhead Stirrer</u> 60 Liters or more High torque Speed range 10 – 2500rpm Viscosity: up to 25,000 mPa*s Permissible maximum shaft diameter - 8.5 mm or more, With built in safety system for overload protection, Warranty: minimum 1 year.</p>	2	Nos.			
7	<p><u>Balance</u> Analytical balance for weighing purposes, 0.1mg to 220g, Digital display, Levelling Bubble, Internal Calibration, Calibration weights (stainless steel, 1mg – 200 mg range, multiple pieces) Warranty: minimum 1 year.</p>	2	Nos.			