



# COMSATS University Islamabad, Lahore Campus

Defence Road, Off Raiwind Road, Lahore

Tender No. CUI-LHR-TN-21-1481

Case # 3348

## Single Stage Two Envelop Procedure

**Title of Tender:** Lab Equipment (TGA & DMA) under CATBM PC-1, CUI-Lahore Campus

### 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. Documents along with Pay Order / Demand Draft amounting to **Rs. 1000/-** as a tender document fee (Non-Refundable) shall be submitted in favor of COMSATS University Islamabad, Lahore Campus to the address given below. No bid will be accepted without tender documents' fee.
6. Part / Advance payments is not allowed.
7. **The exact completion/installation/ delivery time from the date of the purchase / work order will be 120 days. The handing over / completion time for this contract is of critical importance.**
8. Your bid proposal should be inclusive of freight and all other taxes and to be delivered at COMSATS University Islamabad (CUI), Lahore Campus's premises.
9. After opening of bids, CUI-Lahore Campus will examine the bids for completeness as per tender document.
10. 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.
11. Purchase order (s) will be awarded to the evaluated lowest or technically recommended bidder (s) on the basis of item wise / subtotal wise / grand total wise according to the nature of BoQs.
12. The bid should be submitted in a sealed envelope up to **June 17, 2021** on or before **1100hrs** and will be opened on the same date **at 1130hrs** 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.
13. 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;**

**Signature & Stamp of Bidder**

- 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.
14. 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
15. The envelope shall also bear the word **“CONFIDENTIAL”** and following identification quotation of **“Lab Equipment (TGA & DMA) under CATBM PC-1, CUI-Lahore Campus”**.
16. The bid form (BoQs) must be duly filled in, stamped and signed by the authorized representative of the bidder.
17. **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.
18. 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.
19. Deduction of Income Tax and any other tax will be deducted at source according to Government prevailing rules.

- 20. Payment will be made on submission of Invoice in the name of “COMSATS University Islamabad (CUI), 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.
- 21. All prices should be valid for at least **120 days**. Withdrawal or any modification of the original offer within the validity period shall entitle CUI-Lahore Campus to forfeit the earnest money in favor of the CUI-Lahore Campus and / or put a ban on such vendor participation in tenders / works.
- 22. It is the sole responsibility of the agent / supplier / manufacturer to comply with the applicable national or international laws, or any export license /other requirements,
- 23. In case of any dispute or grievance, the matter shall be addressed as per PPRA rules.
- 24. The CUI-Lahore Campus reserves the right to modify the quantities of goods / services at any time before the award of purchase / work order.
- 25. 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.
- 26. 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.
- 27. **05% of the total value of the Invoice will be retained as security by COMSATS University Islamabad (CUI), Lahore Campus, and will be released after warranty period i.e. (As Mentioned in BoQs) which will be counted from the date of Installation / Completion of work / Supply.**
- 28. **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.**
- 29. **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.
- 30. 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.
- 31. 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:.....**

**Signature & Stamp of Bidder**

- NTN#:.....GST#:.....
- Signature: .....
- Please also attach the Certificate supporting being Active Taxpayer as per requirement of FBR.

**B. BoQs of Lab Equipment (TGA & DMA) under CATBM PC-1, CUI-Lahore Campus**

**Technical Portion (Please mention the quoted model/ brand 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).				Qty	Please mention the quoted Model / Brand with meeting the all specifications mentioned in BoQs
Sr. #	Item Name	Specifications			
1	Thermo Gravimetric Analyzer (TGA)	Purpose	Thermogravimetric study of biomaterials	1	
		Temperature Range	(from ambient to 1000 °C or more)		
		Temperature Precision	0.1°C or better		
		Heating rate	0.1 to 100°C/min or better		
		Software	Must be compatible with all provided hardware		
		Power backup with additional Servo Stabilizer	As recommended by OEM for optimum operations	1	
		Computer with power backup	Computer with 24 inch screen compatible with system and recommended by OEM with genuine windows	1	
			· Laser printer		
		Accessories	· Set of standard samples for calibration measurements with purity certificate	1	
			· Aluminum Pans with lids	50	
			· Platinum reusable pans	3	
			· Alumina reusable pans	10	
		others	Argon gas cylinder with double regulator and certified (pressure rated and tested)	1	
Nitrogen gas cylinder with double regulator and certified (pressure rated and tested)	1				
2 stage moisture trappers for gas cylinders	2				

		<b>Installation</b>	<b>Complete Installation, operation, Onsite Training</b>	
		<b>Warranty</b>	<b>12 Months from the date of installation with vendor having good local reputation for providing high quality equipment. Must have well-trained engineers. Engineers must have been trained by the OEM with proof of trainings by the OEM.</b>	
<b>2</b>	<b>Dynamic Mechanical Analyzer (DMA)</b>	<b>Purpose</b>	<b>Mechanical behaviour of viscoelastic biomaterials as a function of temperature, time, frequency, stress, atmosphere or a combination of these parameters</b>	<b>1</b>
		<b>Temperature range</b>	<b>-150°C to 600°C or better</b>	
		<b>Force range</b>	<b>upto 15N or better</b>	
		<b>Heating rate</b>	<b>0.1 to 15 °C /min or better</b>	
		<b>cooling rate</b>	<b>0.1 to 10 °C /min or better</b>	
		<b>Force resolution</b>	<b>0.002N or better</b>	
		<b>frequency</b>	<b>0.01 to 100 Hz or better</b>	
		<b>Deformation range</b>	<b>upto 10 mm or higher</b>	
		<b>Measurement modes:</b>	<b>Three-point bending</b>	
			<b>Single- and dual cantilever bending</b>	
			<b>Linear shearing</b>	
			<b>Compression /penetration</b>	
			<b>Tension</b>	
		<b>Sample holder accessories</b>	<b>Sample holder accessories For measuring the below properties in light of ISO standards</b>	<b>1</b>
			<b>Three-point bending</b>	<b>each</b>
			<b>Single- and dual cantilever bending</b>	
			<b>Linear shearing</b>	
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			<b>Tension</b>	
		<b>Cooling Accessory</b>	<b>Must be able to reach temperature of -150°C or lower</b>	
<b>Operation modes</b>	<b>Temperature/frequency sweep</b>			
	<b>Relaxation</b>			
	<b>Isostrain</b>			
	<b>Strain sweep</b>			
	<b>Stress sweep</b>			
<b>Calibration sample kit</b>	<b>Calibration sample kits with ISO standards</b>	<b>1</b>		

		<b>Computer and software's</b>	<b>Computer with 24 inch screen compatible with system and recommended by OEM with genuine windows with complete software package to provide required measurement and operation modes. power backup with laser printer</b>	<b>1</b>
		<b>Gas cylinders</b>	<b>Air gas cylinder with double regulator and certified (pressure rated and tested)</b>	<b>1</b>
			<b>Helium gas cylinder with double regulator and certified (pressure rated and tested)</b>	<b>1</b>
			<b>Argon gas cylinder with double regulator and certified (pressure rated and tested)</b>	<b>1</b>
			<b>Nitrogen gas cylinder with double regulator and certified (pressure rated and tested)</b>	<b>1</b>
			<b>2 stage moisture trappers for gas cylinders</b>	<b>4</b>
		<b>Power backup with additional Servo Stabilizer.</b>	<b>As recommended by OEM for optimum operations</b>	<b>1</b>
		<b>Warranty</b>	<b>12 Months from the date of installation with vendor having good local reputation for providing high quality equipment. Must have well-trained engineers. Engineers must have been trained by the OEM with proof of trainings by the OEM.</b>	

### **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. The bids shall be evaluated to strictly ensure that the quoted brand/ model meet all the BoQ/ specification requirements given in the bidding document for each item.
2. 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.
3. Supporting literature (where available / required) of the quoted brand/ model must be attached for verification & technical evaluation of the required specification by the technical committee. In case of any clash is found between the quoted model and the supported literature may lead to rejection of bid.
4. The vendor must have an authorized dealer certificate of the quoted product/Item (Certificate with current year's validity) of Original Manufacturer for all Equipment which shall be also verifiable from the Principal / Manufacture Website or through email. It must be attached with bid otherwise such item/bid may be rejected.

**Signature & Stamp of Bidder**

**D. Financial Portion (Price and Brand/Model 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							
<ol style="list-style-type: none"> <li>1. The bid may be rejected on the reason of ambiguity (OR)</li> <li>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.</li> </ol>							
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).				Qty	Prices should be quoted in Pak Rupees (inclusive of all applicable taxes)		
Sr. #	Item Name	Specifications			Quoted Model / Brand	Unit Price (Rs.)	Total Price (Rs.)
1	Thermo Gravimetric Analyzer (TGA)	Purpose	Thermogravimetric study of biomaterials		1		
		Temperature Range	(from ambient to 1000 °C or more)				
		Temperature Precision	0.1°C or better				
		Heating rate	0.1 to 100°C/min or better				
		Software	Must be compatible with all provided hardware		1		
		Power backup with additional Servo Stabilizer	As recommended by OEM for optimum operations				
		Computer with power backup	Computer with 24 inch screen compatible with system and recommended by OEM with genuine windows				
			· Laser printer				
		Accessories	· Set of standard samples for calibration measurements with purity certificate		1		
			· Aluminum Pans with lids		50		
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		<b>Warranty</b>	<b>12 Months from the date of installation with vendor having good local reputation for providing high quality equipment. Must have well-trained engineers. Engineers must have been trained by the OEM with proof of trainings by the OEM.</b>				

**E. Special Terms and conditions:**

- i. 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.
- ii. Please submit the technical and financial bid (rates) on our prescribed BoQs Form and clearly mention the quoted model / brand as required in BoQs with complete terms and conditions signed, stamped with both bids, otherwise your bid (s) may be rejected.
- iii. Purchase / work order (s) will be awarded on **Item Wise Basis**.
- iv. Kindly attach the **Tender fee with Technical Bid** and **Bid money / CDR with Financial Bid**.
- v. **Multiple rates of an item may also lead to the rejection of bid / item.**