



# COMSATS University Islamabad, Lahore Campus

Defence Road, Off Raiwind Road, Lahore

Tender No. CIIT-TN-13-18-1062

Case # 2350

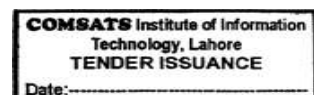
## **Single Stage Two Envelop Procedure**

**Title of Tender:** **Electrochemical Analyzer for Dr. Akhtar Hayat, Department of IRCBM**

### **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, 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 documents fee (Non-Refundable) shall be submitted in favor of COMSATS Institute of Information Technology, Lahore 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/delivery time from the date of the purchase / work order will be 90 days (start from date of LC Opening). The handing over / completion time for this contract is of critical importance.**
- 8. The bid proposal must be quoted inclusive of all freight and packing charges in C&F and to be delivered at Lahore Airport. COMSATS Lahore shall open the direct LC in favor of Principal and shall also clear the shipment from Custom Authorities.**
9. After opening of bids, COMSATS University Islamabad, Lahore Campus will examine the bids for completeness as per tender document.
10. Purchase order (s) will be awarded to the lowest or technically recommended bidder (s) on the basis of item wise / subtotal wise / grand total wise according to the nature of BoQs.
11. The bid should be submitted in a sealed envelope up to **May 30, 2018** on or before **1100hrs** and will be opened on the same date **at 1130hrs** in the presence of available bidders.
- 12. COMSATS University Islamabad, Lahore Campus, will follow the PPRA rule of single stage two envelope procedure;**

**Signature & Stamp of Bidder**



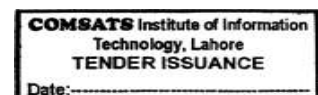
- i. The bid shall comprise a single package containing **two separate envelopes**. Each envelope shall contain separately the **financial proposal** and the **technical proposal**;
- ii. The envelopes shall be marked as **“FINANCIAL PROPOSAL”** and **“TECHNICAL PROPOSAL”** in bold and legible letters 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.

13. The envelope should be marked as under;

**Secretary, Purchase Committee**  
**COMSATS University Islamabad (CUI), Lahore Campus**  
 Defence Road, Off Raiwind Road, Lahore.  
 Tel: 042-111-001-007, Ext: 875

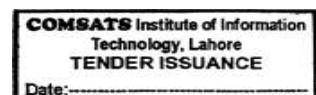
14. The envelope shall also bear the word **“CONFIDENTIAL”** and following identification quotation of **“Electrochemical Analyzer for Dr. Akhtar Hayat, Department of IRCBM”**.
15. The bid form (BoQs) must be duly filled in, stamped and signed by the authorized representative of the bidder.
16. **If the vendor fails to deliver the goods / services to CUI-Lahore Campus in time then the penalty will be charged as under:-**
  - a. 1% per day of the invoice price for 5 working days.
  - b. 2% per day of the invoice price for further 5 working days.
  - c. If the vendor fails to deliver the goods / services during the extended period then the purchase / work order may be cancelled, earnest money and payment may be forfeited.
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 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.

**Signature & Stamp of Bidder**



18. Deduction of Income Tax and any other tax will be deducted at source according to Government prevailing rules.
19. Payment will be made 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.
20. All prices should be quoted on **(C&F basis inclusive of all freight charges uptil Lahore Airport).**
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 CUI tenders / works.
22. It is the sole responsibility of the agent / supplier / manufacturer to comply with the applicable laws, be national or international.
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. **The Successful/lowest bidder is required to submit the 05% of the total value of Purchase Order as a retention money in form of Call Deposit Receipt/ Local Bank Guarantee with the validity of Warranty Time Period i.e. (One Year) in favor of COMSATS University Islamabad (CUI), Lahore Campus and it will be released after the completion of warranty period, which start from the date of completion of work / installation.**
26. **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 Institute of Information Technology, Lahore Campus”. Any bid not accompanied by Earnest Money shall be rejected without any right of appeal.**
27. 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.
28. 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.
29. 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:

**Signature & Stamp of Bidder**



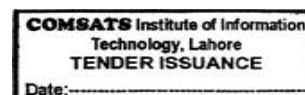
- **Company / Vendor Name:**.....
- **Postal Address:**.....
- **Tel. / Mobile:**.....**Email:**.....
- **NTN# :**.....**GST#:**.....
- **Signature:** .....
- Please also attach the Certificate supporting being Active Taxpayer as per requirement of FBR.

**BoQs of Electrochemical Analyzer for Dr. Akhtar Hayat, Department of IRCBM**

**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).				Quoted Model Brand with meeting the all specifications	
Sr. #	Name	Specifications	Quantity		
01	Electro chemical Analyzer	Electrochemical Workstation for electrochemical measurements requiring lower and higher currents especially in the area of Sensors, corrosion in bioelectrochemistry, coatings on microelectrode, batteries, Fuel cell and super capacitors Specifications Maximum Current $\pm 3$ A or better Minimum Current Resolution 90 aA or better Maximum Applied Potential $\pm 32$ V or better EIS 10 $\mu$ Hz - 1 MHz or better Potential accuracy +/- 0.2% Potential resolution 3 $\mu$ V Current accuracy +/- 0.2% Current resolution 0.0003% (of current range) Auxialry outputs Input port for Thermocouple Input Port for Current Output port for Voltage Input Port for additional Chanel Internal Signal Generator Output External Signal Generator Input Expansion Connector for Booster Miscellaneous I/O Connector software-controlled analog output input & output acquisition triggers	01	No.	

**Signature & Stamp of Bidder**



		<p>software-controlled digital inputs &amp; outputs                  Comprehensive suite of electrochemistry software for general physical chemistry                  Impedance spectroscopy, pulsed voltammetric techniques, corrosion science and charge discharge curve monitoring.</p> <p><b>Vendor must provide all the accessories relevant to instrument, which are necessary to analyze samples and data acquisition.</b></p> <p><b>Vendor must provide detailed installation and training of offered unit at customer place.</b></p>			
		<p><b><u>Accessories</u></b></p> <ul style="list-style-type: none"> <li>• 5 port sealed voltammetric cell capable of performing experiments with minimum 1 ml of electrolyte or equivalent.</li> <li>• 5 port sealed Jacketed Eurocell for corrosion application with all its components and seals. Capable of performing experiments with minimum 25-50 ml of electrolyte or equivalent</li> <li>• Pt Working electrode with 3 mm working dimensions</li> <li>• Ag/AgCl reference electrode or equivalent</li> <li>• Glassy carbon electrode with washing kit</li> <li>• Graphite Rod suitable for Eurocell</li> </ul> <p>Complete with all aspects as per above mentioned items.</p> <p><b>Vendor must provide all the accessories relevant to instrument, which are necessary to analyze samples and data acquisition.</b></p> <p><b>Vendor must provide detailed installation and training of offered unit at customer place.</b></p>	<p><b>01</b></p>	<p><b>No.</b></p>	

		<p><b><u>Data Acquisition System</u></b>  Latest Computer for data acquisition  Suitable power protection unit (online True Sine Wave type) to support Instrument  Specifications:  -Brand Dell/ HP or equivalent  -Intel® Core i5  -19" diagonal IPS widescreen anti-glare backlit non-touch LCD (1920 x 1080)  -4 GB RAM (1 x 4 GB), -Hard Disk 1TB 7200 rpm HDD, -SuperMulti DVD writer  -Intel HD Graphics card, -USB, HDMI Ports, WiFi, -Keyboard and Mouse  -Power and data cables, Original Window</p>	01	No.	
		<p><b><u>Power backup</u></b>  2KVA branded UPS pure sine wave with dry batteries (minimum 30 min backup) and 1 year warranty</p>	01	No.	
		<p><b><u>Automatic voltage Stabilizer</u></b>  Servo motor controlled digital branded system, 3000 Watt, usable for sensitive lab equipments</p>	01	No.	
		<p><b>Warranty one Year for complete unit</b></p>			

- The vendor must have an Authorized Dealer in Pakistan of the quoted product (Certificate with Current Year's validity) must be attached with Technical bid otherwise bid may be rejected.
- The vendor must provide all the accessories relevant to instrument, which are necessary to analyze samples and data acquisition.

**Financial Portion (Price and Brand/Model to be mention only in Financial Proposal in a separate sealed envelope)**

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).					Rates to be quoted in C&F with all freight & packing charges at Lahore Airport		
Sr. #	Name	Specifications	Quantity		Quoted Model / Brand / Make	Unit Price (C&F Lahore Airport) with mentioning of Quoted Currency	Total Price (C&F Lahore) with mentioning of Quoted Currency
01	Electro chemical Analyzer	<p>Electrochemical Workstation for electrochemical measurements requiring lower and higher currents especially in the area of Sensors, corrosion in bioelectrochemistry, coatings on microelectrode, batteries, Fuel cell and super capacitors Specifications</p> <p>Maximum Current <math>\pm 3</math> A or better            Minimum Current Resolution 90 aA or better            Maximum Applied Potential <math>\pm 32</math> V or better            EIS 10 <math>\mu</math>Hz - 1 MHz or better            Potential accuracy <math>\pm 0.2\%</math>            Potential resolution 3 <math>\mu</math>V            Current accuracy <math>\pm 0.2\%</math>            Current resolution 0.0003% (of current range)</p> <p>Auxialry outputs            Input port for Thermocouple            Input Port for Current            Output port for Voltage            Input Port for additional Chanel            Internal Signal Generator Output            External Signal Generator Input            Expansion Connector for Booster            Miscellaneous I/O Connector            software-controlled analog output            input &amp; output acquisition triggers            software-controlled digital inputs &amp; outputs            Comprehensive suite of electrochemistry software for general physical chemistry</p>	01	No.			

Signature & Stamp of Bidder

		<p>Impedance spectroscopy, pulsed voltammetric techniques, corrosion science and charge discharge curve monitoring.</p> <p><b>Vendor must provide all the accessories relevant to instrument, which are necessary to analyze samples and data acquisition.</b></p> <p><b>Vendor must provide detailed installation and training of offered unit at customer place.</b></p>					
		<p><b>Accessories</b></p> <ul style="list-style-type: none"> <li>• 5 port sealed voltammetric cell capable of performing experiments with minimum 1 ml of electrolyte or equivalent.</li> <li>• 5 port sealed Jacketed Eurocell for corrosion application with all its components and seals. Capable of performing experiments with minimum 25-50 ml of electrolyte or equivalent</li> <li>• Pt Working electrode with 3 mm working dimensions</li> <li>• Ag/AgCl reference electrode or equivalent</li> <li>• Glassy carbon electrode with washing kit</li> <li>• Graphite Rod suitable for Eurocell</li> </ul> <p><b>Vendor must provide all the accessories relevant to instrument, which are necessary to analyze samples and data acquisition.</b></p> <p><b>Vendor must provide detailed installation and training of offered unit at customer place.</b></p>	01	No.			
		<p><b>Data Acquisition System</b></p> <p>Latest Computer for data acquisition</p> <p>Suitable power protection unit (online True Sine Wave type) to support Instrument</p> <p>Specifications:</p> <ul style="list-style-type: none"> <li>-Brand Dell/ HP or equivalent</li> <li>-Intel® Core i5</li> <li>-19" diagonal IPS widescreen anti-glare backlit non-touch LCD (1920 x 1080)</li> <li>-4 GB RAM (1 x 4 GB)</li> </ul>	01	No.			



	-Hard Disk 1TB 7200 rpm HDD -SuperMulti DVD writer -Intel HD Graphics card -USB, HDMI Ports, WiFi -Keyboard and Mouse -Power and data cables Original Window					
	<b><u>Power backup</u></b> 2KVA branded UPS pure sine wave with dry batteries (minimum 30 min backup) and 1 year warranty	01	No.			
	<b><u>Automatic voltage Stabilizer</u></b> Servo motor controlled digital branded system, 3000 Watt, usable for sensitive lab equipments	01	No.			
	Warranty one Year for complete unit					

### **Special Terms and conditions:**

- The vendor must have an Authorized Dealer in Pakistan of the quoted product (Certificate with Current Year's validity) must be attached with Technical bid otherwise bid may be rejected.**
- The vendor must provide all the accessories relevant to instrument, which are necessary to analyze samples and data acquisition.**
- Please quote the rates on our BoQs and clearly mention the quoted model / brands, otherwise your bid / items may be rejected.**
- Purchase / work order (s) will be awarded on Item Wise Basis as mentioned in BoQs.**
- In Addition to filling of the attached BoQs, supporting literature of the quoted 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 literature model. So the item/bid may be rejected.**
- Kindly attach the Tender fee with Technical Bid and Bid money / CDR with Financial Bid.**
- Please submit the technical and financial bid (s) on our prescribed BoQs and clearly mention the quoted model / brands, otherwise your bid (s) may be rejected and also attach the terms and conditions (signed, stamped) with both bids.**
- Multiple rates of an item may also lead to the rejection of bid / item.**

**Signature & Stamp of Bidder**