



COMSATS University Islamabad, Lahore Campus
Defence Road, Off Raiwind Road, Lahore

Tender No. CUI-LHR-TN-13-19-1282

Case # 2760

Single Stage Two Envelop Procedure

Title of Tender: Lab Equipment for Department of Chemistry, CUI-Lahore Campus

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 University Islamabad (CUI), 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/delivery time from the date of the purchase / work order will be 40 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 delivered at COMSATS University Islamabad (CUI), Lahore Campus's premises.
9. After opening of bids, COMSATS University Islamabad (CUI), 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 **July 17, 2019** on or before **1400hrs** and will be opened on the same date **at 1430hrs** in the presence of available bidders.
12. 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.
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

The envelope shall also bear the word **“CONFIDENTIAL”** and following identification quotation of **“Lab Equipment for Department of Chemistry, CUI-Lahore Campus”**.

14. The bid form (BoQs) must be duly filled in, stamped and signed by the authorized representative of the bidder.
- 15. If the vendor fails to deliver the goods / services to COMSATS University Islamabad (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.
16. 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.
17. Deduction of Income Tax and any other tax will be deducted at source according to Government prevailing rules.

18. 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.
19. All prices should be quoted on F.O.R (Pak Rupees) inclusive of all applicable taxes.
20. All prices should be valid for at least **90 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.
21. It is the sole responsibility of the agent / supplier / manufacturer to comply with the applicable laws, be national or international.
22. In case of any dispute or grievance, the matter shall be addressed as per PPRA rules.
23. The CUI, Lahore Campus reserves the right to modify the quantities of goods / services at any time before the award of purchase / work order.
24. **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. (One Year for Sr. # 2, 3 & 28) and (Two Year for Sr. 27) which will be counted from the date of delivery / completion of work / supply.**
25. **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 (CUI), Lahore Campus”.**
26. COMSATS University Islamabad (CUI), Lahore Campus reserves the rights to 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.
27. 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.
28. 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.

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

BoQs for Lab Equipment for Department of Chemistry, CUI-Lahore Campus

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	Digital Hot Plate with Magnetic Stirrer and temperature prob Specifications: Temperature: 500°C Solvent with EX-Pt100 Temperature: 300°C Stir Speed: 100-1500 rpm	12	Nos.	
2	Peristaltic Pump and its tube Pump Flow rate- 200ml/Min to 1000ml/min. Tubing: Masterflex L/S BioPharm Plus Platinum-Cured Silicone Pump Tubing, L/S 16, 25 ft One Year warranty	01	No.	
3	Digital Water bath 15 Litre capacity Dimensions (L x W x H) Exterior 15.5 x 24.9 x 9.8 in. Temperature Uniformity ±0.05 °C Temperature Range (Metric) Amb. +5°C to 100°C Heating Capacity 1200W One Year Warranty	02	Nos.	
4	Portable Conductivity/TDS Meter conductivity from 10 to 10,000 µmho and TDS from 7 to 7000 mg/	01	No.	

5	<p>Bench Top pH Meter pH Range: basic mode: -2.00 to 16.00 pH; standard mode: -2.000 to 16.000 pH Accuracy (@25°C): basic mode: ±0.01 pH; standard mode: ±0.002 pH Calibration: basic mode: automatic, up to three points calibration, 5 standard buffers available; standard mode: automatic, up to five point calibration, 7 standard buffers available and two custom buffers Temperature Compensation: automatic, -5.0 to 100.0°C (using integral temperature sensor) Electrode Diagnostics: standard mode: probe condition, response time and out of calibration range mV pH Range: ±1000 mV Resolution: 0.1 mV Accuracy (@25°C): ±0.2 mV ORP Range: ±2000 mV Resolution: 0.1 mV Accuracy (@25°C): ±0.2 mV Temperature Range: -20.0 to 120.0°C Resolution: 0.1°C Accuracy: ±0.5°C Additional Specifications: Probe: HI-11310 (or equivalent) digital glass body pH electrode with 3.5mm connector and 1m cable Connectivity: 1 USB port for storage; 1 micro USB port for charging and PC connectivity Hanna or equivalent</p>	04	Nos.	
6	<p>Flame Photometer Range : Na, K, & Li :1-100 ppm and Ca:15-100 ppm Sensitivity : Na, K, & Li :0.5 ppm and Ca:15 ppm Linearity : < 3% Reproducibility : 2% CV for 20 samples</p>	01	No.	
7	<p>Ultrasonic bath 3L capacity, adjustable temperature , adjustable power from 30W to 100W, 40KHz Strengthened transducer, 0-30 minutes adjustable</p>	02	Nos.	
8	<p>Filtration Assembly with vacuum pump 1L flask of glass</p>	03	Nos.	
9	<p>Soxhlet Apparatus 1. Extractor System for ten 37mm Soxhlets, 250mL flask, 240V 2. Extractor System for eight 50mm Soxhlets, 500mL flask, 240V</p>	1+1 =2	Nos.	

10	Water Distillation Unit 20 LPH Steel Body / Electrical	01	No.	
11	TB 250 Portable Turbidimeter Range from 0-1100 NTU or equivalent	01	No.	
12	Portable Dissolved Oxygen Meter Range 0-99mg/L, or 0-50 ppm	01	No	
13	PTFE Caps for electrode Cell 6.2 mm (for electrode) and 1.6 mm for ETFE tubing (for SVC-3)	04	Nos	
14	Cell Holder For SVC-3	02	Nos	
15	Electrochemical cell kit with Teflon lid, cell holder and cells For SVC-3 (small volume cells)	2	Nos.	
16	Glassy carbon electrodes length: 30 mm disc diameter: 6 mm	03	Nos.	
17	Silver/silver chloride electrode effective length: 30 mm tube diameter: 6 mm	03	Nos.	
18	Saturated calomel electrode effective length: 30 mm tube diameter: 6 mm	03	Nos.	
19	Pt wire electrodes length: 20 mm wire diameter: 0.6 mm	03	Nos	
20	Platinum disc electrode length: 30 mm disc diameter: 6 mm	03	Nos.	
21	Platinum sheet electrode Area 20× 20 mm	03	Nos.	
22	Au Electrode length: 30 mm disc diameter: 6 mm Au Dia: 2mm	03	Nos.	

23	Lab Demin Plant RO Based, with two Demin Cartridges, steel body	01	No.	
24	Screen printed gold electrodes DS 250 A Tor equiv , Working electrode: Gold (4 mm diameter) Auxiliary electrode: Platinum Reference electrode: Silver Each pack containing 75 Nos. of Electrodes	02	Pack	
25	Screen printed carbon electrodes Drop sense 150 Dimensions: 3.4 x 1.0 x 0.05 cm (Length x Width x Height) 4mm diameter carbon working counter electrode is made of platinum, reference electrode is made of silver One pack containing 500 Nos. of Electrodes	01	Pack	
26	Screen printed carbon electrodes Palm sens LP-3.13.WP.350 WE Material Carbon, Surface Modification Blank Amount of WEs, 1 CE Material Carbon, RE Material, Silver One pack containing 500 Nos. of Electrodes	01	Pack	
27	UPS UPS Brand: APC/Vertiv or Equivalent Capacity: 5KVA Topology: Online Waveform type: Sine Wave LCD Display: Yes Built-in AVR: Yes Rated Input Voltage:230Vac Input Voltage range for main operation: UPS 180-275Vac 5KVA Input Frequency Range:50Hz,+5% Nominal Output Voltage:230Vac Battery Type: Maintenance free Sealed Lead Acid & Leak Proof Battery Backup Time:5 minutes at full Load Typical Recharge time:8 hours up to 90%, Warranty:2 years onsite warranty including batteries	03	Nos.	

28	5KVA AVR Stabimatic Gold series or Equivalent No. Of Phase: Single Type: Servo Motor Control Input Voltage Range:130Vac-260Vac 5 KVA Input Frequency:50Hz AVR Output Voltage:220V,+2% Output Current:22.7A Protection: Short Circuit & Overload Response Time:0.5 Sec/10%deviation Warranty: One Year onsite	03	Nos.	
29	Iron Rack Providing and fixing of Fabrication of 4'x1.5' x7'iron rack for storage following specifications, frame of rack made with 1.5'' x 1.5'' x # 1.5 angle iron, horizontal shelves with 4 no's angle iron sports (1.5'' x 1.5'' x #1.5) and 1.5'' thick wooden planks, including the cost of Complete in all respects as per desired requirement and satisfaction of Engineer in charge.	02	Nos.	

Special Terms and conditions;

- **Bidders are required to kindly visit the CUI-Lahore Campus to inspect the sample of Sr. # 29 i.e. Iron Rack before quoting rates to avoid from quality and specifications issue.**

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

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)						
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 (fully or partially).				Prices to be quoted inclusive of all Taxes		
Sr. #	Item Name & Specifications	Qty		Quoted Model / Make	Unit Price (Rs.)	Total Price (Rs.)
1	Digital Hot Plate with Magnetic Stirrer and temperature prob Specifications: Temperature: 500°C Solvent with EX-Pt100 Temperature: 300°C Stir Speed: 100-1500 rpm	12	Nos.			
2	Peristaltic Pump and its tube Pump Flow rate- 200ml/Min to 1000ml/min. Tubing: Masterflex L/S BioPharm Plus Platinum-Cured Silicone Pump Tubing, L/S 16, 25 ft One Year warranty	01	No.			
3	Digital Water bath 15 Litre capacity Dimensions (L x W x H) Exterior 15.5 x 24.9 x 9.8 in. Temperature Uniformity ±0.05 °C Temperature Range (Metric) Amb. +5°C to 100°C Heating Capacity 1200W One Year Warranty	02	Nos.			
4	Portable Conductivity/TDS Meter conductivity from 10 to 10,000 µmho and TDS from 7 to 7000 mg/	01	No.			

5	<p>Bench Top pH Meter pH Range: basic mode: -2.00 to 16.00 pH; standard mode: -2.000 to 16.000 pH Accuracy (@25°C): basic mode: ±0.01 pH; standard mode: ±0.002 pH Calibration: basic mode: automatic, up to three points calibration, 5 standard buffers available; standard mode: automatic, up to five point calibration, 7 standard buffers available and two custom buffers Temperature Compensation: automatic, -5.0 to 100.0°C (using integral temperature sensor) Electrode Diagnostics: standard mode: probe condition, response time and out of calibration range mV pH Range: ±1000 mV Resolution: 0.1 mV Accuracy (@25°C): ±0.2 mV ORP Range: ±2000 mV Resolution: 0.1 mV Accuracy (@25°C): ±0.2 mV Temperature Range: -20.0 to 120.0°C Resolution: 0.1°C Accuracy: ±0.5°C Additional Specifications: Probe: HI-11310 (or equivalent) digital glass body pH electrode with 3.5mm connector and 1m cable Connectivity: 1 USB port for storage; 1 micro USB port for charging and PC connectivity Hanna or equivalent</p>	04	Nos.			
6	<p>Flame Photometer Range : Na, K, & Li :1-100 ppm and Ca:15-100 ppm Sensitivity : Na, K, & Li :0.5 ppm and Ca:15 ppm Linearity : < 3% Reproducibility : 2% CV for 20 samples</p>	01	No.			
7	<p>Ultrasonic bath 3L capacity, adjustable temperature , adjustable power from 30W to 100W, 40KHz Strengthened transducer, 0-30 minutes adjustable</p>	02	Nos.			
8	<p>Filtration Assembly with vacuum pump 1L flask of glass</p>	03	Nos.			

9	Soxhlet Apparatus 3. Extractor System for ten 37mm Soxhlets, 250mL flask, 240V 4. Extractor System for eight 50mm Soxhlets, 500mL flask, 240V	1+1 =2	Nos.			
10	Water Distillation Unit 20 LPH Steel Body / Electrical	01	No.			
11	TB 250 Portable Turbidimeter Range from 0-1100 NTU or equivalent	01	No.			
12	Portable Dissolved Oxygen Meter Range 0-99mg/L, or 0-50 ppm	01	No			
13	PTFE Caps for electrode Cell 6.2 mm (for electrode) and 1.6 mm for ETFE tubing (for SVC-3)	04	Nos			
14	Cell Holder For SVC-3	02	Nos			
15	Electrochemical cell kit with Teflon lid, cell holder and cells For SVC-3 (small volume cells)	2	Nos.			
16	Glassy carbon electrodes length: 30 mm disc diameter: 6 mm	03	Nos.			
17	Silver/silver chloride electrode effective length: 30 mm tube diameter: 6 mm	03	Nos.			
18	Saturated calomel electrode effective length: 30 mm tube diameter: 6 mm	03	Nos.			

19	Pt wire electrodes length: 20 mm wire diameter: 0.6 mm	03	Nos			
20	Platinum disc electrode length: 30 mm disc diameter: 6 mm	03	Nos.			
21	Platinum sheet electrode Area 20× 20 mm	03	Nos.			
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25	Screen printed carbon electrodes Drop sense 150 Dimensions: 3.4 x 1.0 x 0.05 cm (Length x Width x Height) 4mm diameter carbon working counter electrode is made of platinum, reference electrode is made of silver One pack containing 500 Nos. of Electrodes	01	Pack			

26	<p>Screen printed carbon electrodes Palm sens LP-3.13.WP.350 WE Material Carbon Surface Modification Blank Amount of WEs 1 CE Material Carbon RE Material Silver One pack containing 500 Nos. of Electrodes</p>	01	Pack			
27	<p>UPS UPS Brand: APC/Vertiv or Equivalent Capacity: 5KVA Topology: Online Waveform type: Sine Wave LCD Display: Yes Built-in AVR: Yes Rated Input Voltage:230Vac Input Voltage range for main operation: UPS 180-275Vac 5KVA Input Frequency Range:50Hz,+5% Nominal Output Voltage:230Vac Battery Type: Maintenance free Sealed Lead Acid & Leak Proof Battery Backup Time:5 minutes at full Load Typical Recharge time:8 hours up to 90% Warranty:2 years onsite warranty including batteries</p>	03	Nos.			
28	<p>5KVA AVR Stabimatic Gold series or Equivalent No. Of Phase: Single Type: Servo Motor Control Input Voltage Range:130Vac-260Vac 5 KVA Input Frequency:50Hz AVR, Output Voltage:220V,+2% Output Current:22.7A Protection: Short Circuit & Overload Response Time:0.5 Sec/10%deviation Warranty: One Year onsite</p>	03	Nos.			

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Special Terms and conditions:

- Please submit the technical and financial bid (s) on our prescribed BoQs and clearly mention the quoted model / brands, with complete terms and conditions signed, stamped with both bids, otherwise your bid (s) may be rejected.
- 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.
- Purchase / work order (s) will be awarded on **Item Wise Basis** as mentioned in BoQs.
- **Lowest vendor (s) will be required to provide Sample (s) of Sr. # 29 i.e. Iron Rack as per BoQs / specifications within 04 days of opening of bid.**
- **In case, lowest bidder failed to either provide sample of Sr. # 29 i.e. Iron Rack within deadline or meet the mentioned quality / specification requirements in the provided sample, may lead to rejection of bid. (With confiscation of CDR).**
- **In such case Sample Order of Sr. # 29 i.e. Iron Rack shall be issued to 2nd lowest.**
- Kindly attach the **Tender fee with Technical Bid** and **Bid money / CDR with Financial Bid.**
- Multiple rates of an item may also lead to the rejection of bid / item.