



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

Tender No. CUI-LHR-TN-23-1643

Case # 3704

**Single Stage One Envelope Procedure**

Title of Tender: **Chemicals, Lab Items and Repair & Maintenance of Equipment's for Undergraduate Labs (SP 2023), Dept of Chemical Engineering**

**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.1,500/-** 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.
6. Part / Advance payments is not allowed.
7. **The exact completion/delivery time from the date of the purchase / work order will be 20 Days. The handing over / completion time for this contract is of critical importance.**
8. Your bid proposal should be inclusive of freight and all taxes to be delivered at COMSATS University Islamabad, Lahore Campus's premises.
9. Multiple rates of an item may also lead to the rejection of bid / item.
10. After opening of bids, COMSATS University Islamabad, Lahore Campus will examine the bids for completeness as per tender document.
11. 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.

**Signature & Stamp of Bidder**

12. Purchase order (s) will be awarded to the lowest evaluated or technically recommended bidder (s) on the Item Wise basis according to the BoQs.
13. The bid should be submitted in a sealed envelope up to **February 08, 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 Majeure Situation), the tenders will be opened on the very next working day. Timing will remain as mentioned in the tender notice.
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 **“Chemicals, Lab Items and Repair & Maintenance of Equipment’s for Undergraduate Labs (SP 2023), Dept of Chemical Engineering, 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. 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.
20. Deduction of Income Tax and any other tax will be deducted at source according to Government prevailing rules.
21. 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.
22. All prices should be quoted on F.O.R (Pak Rupees) inclusive of all applicable taxes.
23. 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.

- 24. It is the sole responsibility of the agent / supplier / manufacturer to comply with the applicable laws, be national or international.
- 25. In case of any dispute or grievance, the matter shall be addressed as per PPRA rules.
- 26. The CUI-Lahore Campus reserves the right to modify the quantities of goods / services at any time before the award of purchase / work order.
- 27. The prices / cost will be considered as inclusive of all applicable taxes.
- 28. 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.
- 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:**.....
- **NTN# :**.....**GST#:**.....
- **Signature:** .....

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

**Part: B. BoQs of Chemicals, Lab Items and Repair & Maintenance of Equipment's for Undergraduate Labs (SP 2023), Dept of Chemical Engineering, CUI-Lahore Campus**

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 (fully or partially).

Rates to be quoted inclusive of all (applicable) taxes

| Sr. | Item Name & Specifications   | Qty |         | Quoted Model / Brand | Unit Price (Rs.) | Total Price (Rs.) |
|-----|--|-----|---------|----------------------|------------------|-------------------|
|     | <b>Part A: Chemicals &amp; Lab Items</b>   |     |         |                      |                  |                   |
|     | <b>Laboratory: Thermo II</b>   |     |         |                      |                  |                   |
| 1   | Phenol (Solid),<br>CAS Number: 108-95-2 (lab scale)<br>Merck or equivalent<br>(Packing: 500g)                                      | 1   | No.     |                      |                  |                   |
| 2   | Methanol, CAS Number:89-78-1<br>Sigma or equivalent<br>(Packing: 1L)   | 1   | No.     |                      |                  |                   |
| 3   | Compressed Sulphur Hexafluoride Gas<br>Cylinder,<br>Item no. PHYWE 41772-21 or equivalent<br>(Packing: 74g)                        | 1   | No.     |                      |                  |                   |
| 4   | Compressed Carbon dioxide Gas Cylinder,<br>Item no. PHYWE 41772-06 or equivalent<br>(Packing: 22g)                                 | 1   | No.     |                      |                  |                   |
| 5   | Hand wash,<br>500 ml liquid soap   | 3   | bottles |                      |                  |                   |
| 6   | Dish wash,<br>750 ml liquid detergent  | 4   | bottles |                      |                  |                   |
| 7   | Tissue Role, 10 cm wide<br>Rose Petal or equivalent  | 5   | Nos     |                      |                  |                   |
| 8   | Grease,<br>Good quality  | 2   | kg      |                      |                  |                   |
| 9   | Dusting Cloth<br>Size: 2 x 1.5 ft <sup>2</sup>   | 24  | pieces  |                      |                  |                   |
| 10  | Long-neck round-bottle flask 100ml,<br>Glass sphere, 2 stopcocks, 100 ml<br>Article no. 36810-00 PHYWE or<br>compatible/equivalent | 2   | Nos     |                      |                  |                   |

| <b>Laboratory: CRE</b>   |   |   |        |  |  |  |
|--------------------------|---|---|--------|--|--|--|
| 11                       | Tissue Paper Roll<br>Jumbo size<br>Rose Patel or equivalent   | 6 | No.    |  |  |  |
| 12                       | Laboratory Gloves<br>9½"-10",<br>Nitrile glove<br>(Packing: 100 pcs containing in one box)  | 3 | Box    |  |  |  |
|                          | Laboratory Gloves<br>10½"-11"<br>Nitrile glove<br>(Packing: 100 pcs containing in one box)  | 3 | Box    |  |  |  |
| 13                       | Lab Coat<br>Cotton-Polyester<br>Superior Quality<br>01 medium each<br>01 large each   | 2 | No.    |  |  |  |
| 14                       | Safety goggles,<br>Splash preventing  | 2 | No.    |  |  |  |
| 15                       | Face mask (surgical)<br>3 ply or better, Nose pin<br>(Packing: 50 Nos in one Box)   | 1 | box    |  |  |  |
| 16                       | Liquid Soap/Hand sanitizer,<br>500ml<br>Dettol or equivalent  | 6 | Bottle |  |  |  |
| 17                       | Liquid Detergents/Dishwasher<br>500ml   | 6 | Bottle |  |  |  |
| 18                       | NaOH, Analytical grade<br>Sigma or equivalent<br>Packing: 1 liter   | 1 | No.    |  |  |  |
| 19                       | Silicon pipe,<br>8mm outer dia and 5mm inner dia<br>Size: 5 meter   | 1 | No.    |  |  |  |
| 20                       | PTFE Pipings 6mm,<br>Transparent, with stand with temp of 70-100<br>OC(7 meter with white color and 7 meter with<br>green color)<br>Size: 14 meter) | 1 | No.    |  |  |  |
| 21                       | PTFE Pipings 8mm,<br>with stand with temp of 70-100 °C<br>(7 meter with white color and 7 meter with<br>green color)<br>Size: 14 meter)             | 1 | No.    |  |  |  |
| <b>Laboratory: SHMTO</b> |   |   |        |  |  |  |
| 22                       | Soap, bar<br>Dettol or equivalent<br>85 gms   | 6 | Nos.   |  |  |  |

|    |   |    |      |  |  |  |
|----|---|----|------|--|--|--|
| 23 | litmus paper, pH Paper<br>Aduma China or equivalent   | 3  | Nos. |  |  |  |
| 24 | Tissue Paper Roll<br>Jumbo size<br>Rose Patel or equivalent   | 3  | Nos. |  |  |  |
| 25 | CO2 Cylinder Refill (50kg),<br>Cylinder Capacity: 75 kg<br>(Gas to be refilled 50kg)<br>99.9 % CO2 purity<br>Note:<br><b>Vendor is responsible to take the empty cylinder<br/>from SHMTO Lab , Chemical Engineering<br/>Department and refilled cylinder shall be delivered<br/>at CUI Lahore Campus at his own cost.</b> | 1  | No.  |  |  |  |
| 26 | Air Flow Meter<br>20°C<br>25NL/min  | 3  | Nos. |  |  |  |
| 27 | Pipe T<br>1/2 inch<br>SS304   | 3  | Nos. |  |  |  |
| 28 | Barred nipple<br>1/2 inch<br>SS304  | 3  | Nos. |  |  |  |
| 29 | Handle valve<br>1/2 inch<br>SS304   | 6  | Nos. |  |  |  |
| 30 | Handle Valve<br>1/4 inch<br>SS304   | 3  | Nos. |  |  |  |
| 31 | Barrel Nipple,<br>1/4 inch<br>SS304   | 6  | Nos. |  |  |  |
| 32 | Barrel Nipple<br>1/4 x 1/2 inch<br>SS304  | 3  | Nos. |  |  |  |
| 33 | Gas nozel,<br>1/2 inch<br>SS304   | 3  | Nos. |  |  |  |
| 34 | Nozel,<br>1/4inch<br>SS304  | 6  | Nos. |  |  |  |
| 35 | Gas pipe<br>yellow<br>1/2inch   | 40 | ft   |  |  |  |

|   |  |    |       |  |  |  |
|---|--|----|-------|--|--|--|
| 36  | Shower for Columns<br>1/2 inch<br>SS304  | 3  | Nos.  |  |  |  |
| 37  | Clump<br>1/2 inch<br>SS305   | 24 | Nos.  |  |  |  |
| 38  | Nozel inner thread<br>1/4 inch<br>SS306  | 6  | Nos.  |  |  |  |
| 39  | Heater mental,<br>2kW<br>SS307   | 1  | No.   |  |  |  |
| 40  | Oven thermocouple, J type  | 1  | No.   |  |  |  |
| <b>Laboratory: Fuel and Energy</b>        |  |    |       |  |  |  |
| 41  | Soap 85gms<br>Dettol or equivalent   | 2  | Nos.  |  |  |  |
| 42  | Hand Sanitizer, (500ml size)<br>Dettol or equivalent                                     | 1  | Nos.  |  |  |  |
| 43  | Surgical Gloves<br>9½"-10",<br>Nitrile glove<br>(Packing: 100 pcs containing in one box) | 1  | Box   |  |  |  |
| 44  | Dusting Cloth<br>Size: 2 x 1.5 ft <sup>2</sup>   | 2  | Dozen |  |  |  |
| 45  | Mask<br>Medical Barrier (ASTM Level 3 or equivalent)<br>(50 pcs containing in one Box)   | 2  | Box   |  |  |  |
| 46  | Rubber Pipe<br>2 meter ( 6mm ID , 9.5mm OD)  | 1  | Nos.  |  |  |  |
| <b>Laboratory: Particulate Technology</b> |  |    |       |  |  |  |
| 48  | Barasica Seeds (For Oil Extractor )  | 10 | Kg    |  |  |  |
| 49  | Measuring Cylinder 100 ml<br>Pyrex or equivalent   | 12 | Nos.  |  |  |  |
| 50  | Measuring Cylinder 250 ml<br>Pyrex or equivalent   | 12 | Nos.  |  |  |  |

|  |  |   |       |  |  |  |
|--|--|---|-------|--|--|--|
| 51   | Dusting Cloth<br>Size: 2 x 1.5 ft <sup>2</sup>   | 1 | Dozen |  |  |  |
| 53   | High share Mill (Belt)<br>Size: 39inch   | 2 | Nos.  |  |  |  |
| <b>Part B: Repair &amp; Maintenance of Lab Items / Equipment's</b> |  |   |       |  |  |  |
| <b>Laboratory: SHMTO</b>   |  |   |       |  |  |  |
| 54   | Repairing of Compressor motor<br>0.5 Hp motor overhauling, copper winding,<br>bearing, sealing etc   | 1 | Job   |  |  |  |
| 55   | Repairing of Spray dryer,<br>brand name ElettronicaVeneta, model MSD EV.<br><b>TRAINING PROGRAM</b><br>This unit enables to deepen the following issues:<br>- Drying of aqueous solutions by atomization<br><b>TECHNICAL SPECIFICATIONS</b><br>- Framework of AISI 304 stainless steel with<br>castors<br>- Temperature programmable up to 250°C<br>- Touch screen control panel<br>- Built-in compressor<br>- Variable speed fan<br>- Heating system of 3000 W<br>- Peristaltic pump adjustable up to 1500 ml/h<br>- Atomization system with spray nozzle of<br>stainless steel and cleaning device<br>- Drying chamber of borosilicate glass with<br>vessel of borosilicate glass for collecting bottom<br>product<br>- Cyclone of borosilicate glass with bottle of<br>borosilicate glass for collecting the sample<br>- Exhaust pipe for exhausted vapours<br>Power supply 230 Vac 50 Hz single-phase<br>Weight 110 kg, Dimensions 780 x 560 x<br>1300mm | 1 | Job   |  |  |  |
| 56   | Repairing of Induced Draft Cooling tower,<br>brand name Labtech. Work needed: pump<br>motor repair 0.37 kW. Overhauling the<br>complete unit.  | 1 | Job   |  |  |  |
| 57   | Repairing of Customizing COMPUTER<br>CONTROLLED DOUBLE EFFECT RISING<br>FILM EVAPORATOR,<br>brand name EDIBON, model EDPAC.<br>Work needed: Display Station for Temperature<br>Sensors, Pressure Sensors, Force Sensor, Motor<br>Controls and other controls. EDPAC is divided<br>into 2 stations. Therefore, all manual controls<br>should be built on one panel. [Locally Fabricate<br>using imported parts].  | 1 | Job   |  |  |  |

| Laboratory: Fuel and Energy |  |   |     |  |  |  |
|-----------------------------|--|---|-----|--|--|--|
| 58                          | Repair Work (Softening Point Apparatus),<br>Thermostat/Heating Element Problem | 1 | Job |  |  |  |
| 59                          | Repair Work (Analytical Weight Balance,<br>China), Power Problem               | 1 | Job |  |  |  |

**Note: Bidders are advised to kindly visit the SHMTO & Fuel and Energy Labs of Chemical Engineering Department CUI-Lahore Campus and Inspect the equipment's i.e. Sr. # 54, 55, 56, 57, 58 & 59 to be repaired before quoting rates.**

**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 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.