

# COMSATS University Islamabad, Wah Campus

**Repairing & Calibration of Civil Engineering Lab Equipment**

**Tender Notice No. CUIWW/PS/TEN/22-23/13**



**Tender Document**

**Tender Fee, Rs. 1000/- (Non-refundable)**

**General and Special Conditions of Contract**

**Bill of Quantities - Specifications**

Issued to: \_\_\_\_\_

**TENDER NOTICE**

COMSATS University Islamabad, Wah Campus, (CUIW) a public sector educational institute, invites you to quote for **Repairing & Calibration of Civil Engineering Lab Equipment** at CUI Wah Campus.

2. The bids comprise a **single sealed envelope** is required to be delivered at CUIW latest by **11:00** hours on **31-10 -2022**. Tenders will be opened on same date at **11:30** hours in the presence of bidders who desire to attend.

3. Sealed tenders addressed to the Purchase Officer, COMSATS University Islamabad, Wah Campus, may be dropped in person or mailed through courier, registered post; but it must be ensured that the same reaches our office well in time as late offers will not be considered. Envelope should be clearly marked with the following information;

Tender No: CUIW//PS/TEN/22-23/12  
 Due Date : **31-10 -2022**  
 Offer: Single Stage –Single Envelope  
 Bid Mode : FOR

4. No offer of a firm/authorized agent will be considered if:-

- a. Received without or deficient of security money/Earnest Money and required documents/information.
- b. Received later than the date and time fixed for tender submission
- c. The tender is unsigned/ unstamped
- d. The offer is ambiguous
- e. The offer is conditional
- f. Offer is made by the unauthorized agent of the firm/company.
- g. The offer is from a firm which is black listed, by any Govt. Office.
- h. The offer is received by telephone/telex/fax/telegram.
- i. Any unsigned/ ambiguous erasing, cutting/overwriting etc. is made

5. Those firms are not eligible to participate in the tender whose delivery of stores are pending/ delayed for the five months or more or their previous performance is not satisfactory, against any CUIW purchase order.

6. Incomplete and Conditional bids may be liable for rejection.

7. CUIW reserves the right to increase / decrease the quantity as per requirement.

8. CUIW is authorized to accept or reject part or whole of the tender any time prior to the acceptance of the tender. The unsuccessful Bidder(s) participating in the tender shall be informed the reason(s) for the rejection of their bid, however CUIW shall not be liable to justify those reasons.

**Purchase Officer**  
COMSATS University Islamabad, Wah Campus

## **General Conditions of the Contract**

1. Tenders along with all the relevant documents and applicable certifications shall be submitted in a sealed envelope, bearing the name of the work on top and the name of the tenderer at the bottom on left side.
2. The bidder or his representatives are advised to inspect the site of work before submission of bid.
3. All entries in the tender documents shall be made with ink without any erasure, cutting and overwriting. In case of unavoidable reasons all cuttings and overwriting shall be duly signed by the tenderer.
4. All item rates shall be written both in figures and words. Similarly, the bid price shall also be written clearly in figures as well as in words.
5. The tender rates should be inclusive of all taxes and duties, payable to Government or local bodies and COMSATS University Islamabad, Wah Campus, will not entertain any claim on this account
6. “Contract Price” means the sum stated in the Letter of Acceptance as payable to the Contractor for the execution and completion of the Works subject to such additions thereto or deductions therefrom, as may be made under the provisions hereinafter contained and remedying of any defects therein in accordance with the provisions of the Contract.
7. “Schedule of Prices” means the completed and priced Schedule of Prices, or any part or individual schedule thereof, submitted by the Contractor with his Tender or revised and mutually agreed and forming a part of the Contract documents.
8. It must be clearly understood by the bidder that no claim on account of market fluctuations will be entertained during the currency of this contract for any item of work included in the bill of quantities attached to the Agreement. In other words it may be clearly understood that no request for escalation of rates will be entertained.
9. Earnest money equivalent to 2% of the bid price must be submitted in the form of pay order or bank draft from a Schedule Bank of Pakistan in the favour of COMSATS University Islamabad, (CUIW)Wah Campus.
10. Once COMSATS University Islamabad, Wah Campus (CUIW) finalizes the award of contract, the pay order /bank draft submitted by unsuccessful bidders will be returned to them.
11. Conditional tender will not be accepted.

12. COMSATS University Islamabad, (CUIW) Wah Campus reserves the right to accept or reject part or whole of the tender any time prior to the acceptance of a proposal. The unsuccessful Contractor (s) participating in the tender shall be informed the reason (s) for the rejection of their proposal; however CUIW shall not be liable to justify those reasons.
13. The successful tender will have to execute a contract agreement /work order with the CUIW, on stamp paper (where applicable).
14. The Contractor shall mobilize and arrange all materials, labour, T&P etc. immediately on award of work and signing of Contract Agreement.
15. Retention money /security deposit @ 5% of the total work done shall be deducted at the time of making payments to the Contractor. This amount shall be refunded to the Contractor, after the completion of the Defects Liability Period.
16. Quoted rates shall remain valid till the work is completed.
17. The scope of work may be increased or decreased by the CUIW. No claim on this account shall be entertained.
18. The Contractor shall, in accordance with the Contract, with due care and diligence, complete the Works and/or test and commission the Plant/Works within the Time for Completion. The Contractor shall also provide all necessary Contractor's Equipment, superintendence, labour all necessary facilities required for work(s).
19. If the progress of work is found not commensurate with the stipulated contract period, the contractor shall be liable to pay as compensation an amount equal to one percent of the contract price for each day of delay subject to a maximum compensation /penalty equal to ten percent (10%) of the contract price.
20. Time shall be deemed as essence of the contract. In case of failure of the contractor to complete the work in time or in case of his abandonment of the work without any cogent reason, his contract shall be rescinded and his retention money /security deposit forfeited.
21. In case the contractor desires an extension of contract period, he shall have to justify and elaborate the grounds for the same well in time while submitting his request /application. The decision of the CUIW shall be final and binding in this respect.
22. The contractor shall not sub-let /assign contract or any part of work to another party. In case of sub-letting, the contract shall be rescinded forthwith and all dues payable to him forfeited without any prejudice.

23. In case of dispute, the matter shall be referred to the Rector, COMSATS University Islamabad, Wah Campus, (CUIW) Islamabad whose decision shall be final and binding upon both parties.
24. The term "Force Majeure" as employed herein shall mean acts of God, strikes, lock-out or other industrial disturbances, acts of public enemy, wars, blockades, insurrection, riots, epidemics, landslides, earthquakes, storms, lightning, floods, washouts, civil disturbances, explosions and any other similar events, not within the control of either Party and which by the exercise of due diligence neither Party is able to overcome.
25. If either Party is temporarily unable by reason of Force Majeure or the laws or regulations of Pakistan to meet any of its obligations under the Agreement, and if such Party gives to the other Party written notice, of the event within fifteen (15) days after its occurrence, such obligations of the Party, as it is unable to perform by reason of the event, shall be suspended for as long as the inability continues. Neither Party shall be liable to the other Party for loss or damage sustained by such other Party arising from any event referred to as Force Majeure or delays arising from such event. Force Majeure shall not include insufficiency of funds or failure to make any payment required under the Agreement.
26. The Contractor shall be responsible for making his own arrangements for the adequate supply of electricity, water and gas required for the effective performance of his obligations under the Contract.
27. The work shall be measured for the units mentioned in the Schedule of Prices according to the Contract as determined by the Engineer from approved drawings, Specifications and Contract Documents.
28. After the Defects Liability Certificate has been issued, the Contractor and the Employer shall remain liable for the fulfillment of any obligation, which remains unperformed at that time. For the purposes of determining the nature and extent of any such obligation, the Contract shall be deemed to remain in force.
29. If for any reason, which does not entitle the Contractor to an extension of time, the rate of progress of the Works or any Section is at any time, in the opinion of the Employer or his representative, too slow to comply with the Time for Completion, the Employer or his representative shall so notify the Contractor who shall thereupon take such steps as are necessary, subject to the consent of the Employer or his representative, to expedite progress so as to comply with the Time for Completion. The Contractor shall not be entitled to any additional payment for taking such steps. If, as a result of any notice given by the Employer or his representative under this Clause, the Contractor considers that it is necessary to do any work at night or on locally recognized days of rest, he shall be entitled to seek the consent of the Employer or his representative so to do. Provided that if any steps, taken by the

Contractor in meeting his obligations under this Clause, involve the Employer in additional supervision costs, such costs shall, after due consultation with the Employer and the Contractor, be determined by the Engineer Incharge and shall be recoverable from the Contractor by the Employer, and may be deducted by the Employer from any moneys due or to become due to the Contractor and the Engineer Incharge shall notify the Contractor accordingly, with a copy to the Employer.

30. If at any time any payment would fall due for Works or portion of Works and, if there shall be any defect in portion of such Works in respect of which such payment is proposed, the Employer may retain the whole or any portion of such payment. Any sum retained by the Employer pursuant to the provisions of this Clause shall be paid to the Contractor after the said defect is removed.
31. In case of discrepancies between drawings, those of larger scale shall govern unless they are superseded by drawing(s) of a later date regardless of scale. All drawings and specifications shall be interpreted in conformity with the Agreement and these conditions.
32. In order to provide for the safety, health and welfare of persons, and for prevention of damage of any kind, all operations for the purposes of or in connection with the Contract shall be carried out in compliance with the safety requirements of the Government of Pakistan with such modifications thereto as the Engineer may authorize or direct and the Contractor shall take or cause to be taken such further measures and comply with such further requirements as the Engineer may determine to be reasonably necessary for such purpose.
33. If in the opinion of the Engineer Incharge an emergency occurs affecting the safety of life or the works or of adjoining property, the Engineer Incharge may, without recourse to provisions of Clause 29 and without relieving the Contractor of any of his duties and responsibilities under the Contract instruct the Contractor to execute all such work or do all such things as may, in the opinion of the Engineer Incharge, be necessary to abate or reduce the risk. The Contractor shall forthwith comply with any such instruction(s) of the Engineer.
34. The Engineer Incharge shall inform the Employer within reasonable time the nature of emergency and the results thereof with supporting documents, which shall form the basis for Variation(s) with the consent of the Employer.
35. The Contractor shall report to the Engineer Incharge details of any accident as soon as possible after its occurrence. In the case of any fatality or serious accident, the Contractor shall, in addition to appropriate action required under the law, notify the Engineer Incharge immediately by the quickest available means.

## Special Conditions

1.	Amount of earnest money.	2% of bid amount.
2.	Form of earnest money.	Either a pay order or bank draft from a schedule bank in favour of the CUIW.
3.	Earnest money.	<p><b>a) Successful Tenderer</b> To be retained as part of retention money; or to be returned upon recovery of retention money equal to 2% of bid amount.</p> <p><b>b) Unsuccessful Tenderers</b> To be returned on signing the Agreement by the CUIW with successful tenderer.</p>
4.	Time of commencement of Contract	Immediately upon issuance of work order
5.	Time of completion of Contract	Four (4) months from the date of issuance of work order as mentioned in the Work order.
6.	Defect Liability Period.	Six year from the date of successful testing & commissioning.
7.	Amount of liquidated damages for non-completion of the works within stipulated time.	One tenth of 1% (0.10 %) of the contract price for each day of delay in completion of work.
8.	Limit of liquidated damages.	10 % (Ten Percent) of the contract price.
9.	Retention money.	5% (Ten Percent) of verified amount of running bills /interim payments made to contractor.
10.	Limit of retention money.	5% (Ten Percent) of the completion cost.
11.	Release of retention money.	6 months after completion of works.

### Mode of Payment: -

2. All payments on account of supply of machine/equipment etc. will be made as per quoted prices including duties and taxes etc.
3. Payments will be made in the following stages;

a)	On supply of equipment at site & Upon testing and commissioning	95% (Ninety Fifty percent)
c)	Upon completion of defects liability period.	5 % (Ten percent)

**Bills of Quantities Repairing & Calibration of Civil Engineering Lab Equipment**

<b>Sr. No.</b>	<b>Item</b>	<b>Description</b>	<b>Amount with Taxes</b>
1	Automatic Freeze and Thaw apparatus	Repair and calibration of digital Controller of Automatic Freeze and thaw apparatus from Matest, Italy (Manufacturer)	
2	Digital Balance	Provision of batteries and calibration of digital balance	
3	Vibrating table	Repair of motor of concrete vibrating table, adjustment of speed knob	
4	Blaine Air Permeability	Provision of aspirator having control button to control the flow of air along with standard liquid for the performance of testing provision of standard cement with calibration certificate.	
5	Pan Mixer	Repair / replacement of blade of concrete pan mixture	
6	Load Cell	Calibration and provision of certificate	
	Rapid Chloride Mesh	formation and provision of Rapid chloride mesh as per the standard	
7	Calibration of Data logger	configuration, calibration, commissioning and installation	
7	Triaxial Machine	Provision of Bladder manufactured by Technotest, replacement of complete pipes of various sizes, over-hauling of the compressor with complete installation and calibration complete.	
8	Constant Head Permeability Apparatus	Replacement of pipes and tubes along with repair of cell	
9	Falling Head Permeability Apparatus	Replacement of pipes and tubes along with repair of cell	
10	Weight Balance	Provision of batteries and calibration of digital balance	
	Glass Jar for Hydrometer 1000 ml (Glass)	Provision of jars for Hydrometer analysis	
11	load rings	Calibration and provision of certificate for further reference	
12	Bernoulli theorem Apparatus	Replacement of pipes,tubes and associated parts.	
13	Pipe friction Apparatus	Replacement of pipes,tubes and associated parts.	
14	Centrifugal Pump	thread formation of inlet pipe alongwith gauge provision	
15	Impact of jet Apparatus	Replacement of pipes,tubes and associated parts.	
16	Bend and Fitting	Replacement of pipes,tubes and associated parts.	
17	Hydraulic Bench	Replacement of pipes,tubes and associated parts.	
18	Francis Turbine	leackage, guide blades	
19	Turbidity meter	calibration and commissioning	
20	Conductivity meter	calibration and commissioning	
21	pH meter	calibration and commissioning	



22	Furnace	complete checkup of PLC to find out the issue to overcome fuse breakage	
23	Rotational Viscometer	provision of Spindle supplied by Fungilab (manufacturer)	
24	Planetary Mixture	installation of speed controller to adjust the speed	
25	Weight Balance	Provision of batteries and calibration of digital balance	
26	Sample Extruder	complete checkup and tuning as a change of hydraulic oil	
27	Ring and Ball Apparatus	provision of associated accessories for proper functioning (rings and balls)	
28	Proving Rings	Calibration and provision of certificate for further reference	

## **Machinery may be seeing before quoting the rate**

We M/s \_\_\_\_\_ hereby certify that:

- i) Above quoted rates include all costs and taxes whatsoever and final by all means.
- ii) And that, we have read and understood the specifications, terms and conditions envisaged in the tender document.
- iii) And that, quantity of materials and workmanship will be verified and examined by the authorized representative of CUIW, and in case of any dispute the decision of Director, CUIW will be final.

**Date:** \_\_\_\_\_

**Signature:** \_\_\_\_\_

**Stamp**