



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

Tender No. CUI-LHR-TN-13-19-1304

Case # 2824

Single Stage Two Envelop Procedure

Title of Tender: **Lab Equipment (Power Transmission Module) for Power Engineering Lab of Department of Electrical & Computer Engineering, 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/installation/ delivery time from the date of the purchase / work order will be 60 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, 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 **November 13, 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 (Power Transmission Module) for Power Engineering Lab of Department of Electrical & Computer Engineering, 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) as mentioned in BoQs which will be counted from the date of Installation / 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 (Power Transmission Module) for Power Engineering Lab of Department of Electrical & Computer Engineering, 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 & Specification	Qty	
1	Transmission Line Module (With Trolley and drawer) With Supply & Load	<ul style="list-style-type: none"> • 400KV • 1:1000 • 5A • Standard Transmission line Parameters should be used according to transmission line types i.e. short, medium and long. <p><u>Features</u></p> <ul style="list-style-type: none"> • Training system allows for a complete study of Power Transmission Line Trainer systems. • This transmission line trainer investigates single phase and three phase transmission lines. • The configurable simulated transmission lines allow realistic studies for short, medium and long distance transmission line under variable load, as well as with inserted faults. • This trainer is including parallel feeder and multi-section lines. • The device, coupled with an activity manual along with experiment list. • Allows for self-paced training in basic/Advance Power Transmission Lines. • Basic Power Transmission Line Trainer. • Harmonics 31 (Voltage & Current) • This comprehensive trainer includes all needs for students to complete a number of hands-on activities. • Real time Data Logging with all Power Measurement parameter. • RLC Load Connection with different values. • Energy Analyzer with a compact energy log. 	05 Nos.	

		<ul style="list-style-type: none"> • Four-quadrant measurement (consumption and generation) also for the measurement of V, I, KW, KWh, Pf, Hours, KGCO2, fundamental frequency, voltages harmonics, current harmonics. • Configurable with power Studio Software, power studio SCADA and SCADA Deluxe Software. • Protection Circuits equipped with IDMT relays and associated circuit breakers. • Over current and earth fault protection. • Overvoltage protection • Must handle overload static and dynamic surges. • Three phase transformers • Multi tapping transformer • Trainer should include all necessary meters, connectors and protection equipment i.e. breakers, fuses etc. • Star Kit <p>Complete with all aspects including Installation & Commissioning Warranty One Year start from the date of Installation</p>			
2	RLC Load Set	<ul style="list-style-type: none"> • Maximum power in single or three phase connection = 2KVA • Rated Voltage = 440/220V <p>With protection Complete with all aspects including Installation & Commissioning Warranty One Year start from the date of Installation</p>	05	Nos.	
3	3-phase power supply	<ul style="list-style-type: none"> • 3 phase variable transformer • 3 phase cables • Connectors • Circuit breaker <p>Power distribution board Complete with all aspects including Installation & Commissioning Warranty One Year start from the date of Installation</p>	05	Nos.	
4	Insulating Mats For Placing In Front Of Panels	<p>Electrical Safety & Protection for Low, Medium Voltage Length = 60Inch Width = 18Inch Thickness = 6mm</p> <p>Complete with all aspects including Installation, insulating & placing</p>	05	Nos.	

Purchase / Work Order shall be issued on Grand Total / Turnkey Basis.

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

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).

Prices should be quoted inclusive of all applicable taxes

Sr.#	Item Name	Specification	Qty		Quoted Model / Brand / Make	Unit Price (Rs)	Total Price (Rs)
1	Transmission Line Module (With Trolley and drawer) With Supply & Load	<ul style="list-style-type: none"> • 400KV • 1:1000 • 5A • Standard Transmission line Parameters should be used according to transmission line types i.e. short, medium and long. <p><u>Features</u></p> <ul style="list-style-type: none"> • Training system allows for a complete study of Power Transmission Line Trainer systems. • This transmission line trainer investigates single phase and three phase transmission lines. • The configurable simulated transmission lines allow realistic studies for short, medium and long distance transmission line under variable load, as well as with inserted faults. • This trainer is including parallel feeder and multi-section lines. • The device, coupled with an activity manual along with experiment list. • Allows for self-paced training in basic/Advance Power Transmission Lines. 	05	Nos.			

		<ul style="list-style-type: none">• Basic Power Transmission Line Trainer.• Harmonics 31 (Voltage & Current)• This comprehensive trainer includes all needs for students to complete a number of hands-on activities.• Real time Data Logging with all Power Measurement parameter.• RLC Load Connection with different values.• Energy Analyzer with a compact energy log.• Four-quadrant measurement (consumption and generation) also for the measurement of V, I, KW, KWh, Pf, Hours, KGCO2, fundamental frequency, voltages harmonics, current harmonics.• Configurable with power Studio Software, power studio SCADA and SCADA Deluxe Software.• Protection Circuits equipped with IDMT relays and associated circuit breakers.• Over current and earth fault protection.• Overvoltage protection• Must handle overload static and dynamic surges.• Three phase transformers• Multi tapping transformer• Trainer should include all necessary meters, connectors and protection equipment i.e. breakers, fuses etc.• Star Kit <p>Complete with all aspects including Installation & Commissioning Warranty One Year start from the date of Installation</p>				
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2	RLC Load Set	<ul style="list-style-type: none"> Maximum power in single or three phase connection = 2KVA Rated Voltage = 440/220V With protection Complete with all aspects including Installation & Commissioning Warranty One Year start from the date of Installation	05	Nos.				
3	3-phase power supply	<ul style="list-style-type: none"> 3 phase variable transformer 3 phase cables Connectors Circuit breaker Power distribution board Complete with all aspects including Installation & Commissioning Warranty One Year start from the date of Installation	05	Nos.				
4	Insulating Mats For Placing In Front Of Panels	Electrical Safety & Protection for Low, Medium Voltage Length = 60Inch Width = 18Inch Thickness = 6mm Complete with all aspects including Installation, insulating & placing	05	Nos.				
Grand Total Amount (Rs.) Inclusive of All Taxes								

Special Terms and conditions;

- Please submit the technical and financial bid (rates) on our prescribed BoQs Form 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 supported literature may lead to rejection of bid.
- Purchase / work order (s) will be awarded on **Grand Total / Turnkey Basis** as mentioned in BoQs.
- 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.