

MUHAMMAD NAWAZ SHARIF
UNIVERSITY OF ENGINEERING & TECHNOLOGY, MULTAN



TENDER DOCUMENT

Laboratory Equipment for Electrical Engineering Department

Estimated Cost= Rs. 3,600,000/-

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Tender Document

**Laboratory Equipment for Electrical Engineering
Department**

Estimated Cost= Rs: 3,600,000/-

Name of the firm: _____

Address: _____

NTN No: _____

GST No: _____

Phone No: _____ Mobile No: _____

Name of the authorized person, if any: _____

NIC No. of Authorized Person: _____

Amount of earnest money Rs: _____ Name of Bank: _____

City: _____ CDR No: _____ Date: _____/2018

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TENDER TERMS & CONDITIONS

OVERVIEW

Muhammad Nawaz Sharif University of Engineering and Technology, Multan intends to purchase the laboratory equipment's /accessories. The supplier/s will be responsible for delivery, installation and commissioning of equipment and training (if deemed necessary).

1. Methods & Instructions for submission of tender will be based on

a) FOR Basis

- 1.1 Single stage two envelope bidding procedure shall be applied in response to the RFP (request for proposal) as provided in rule 38 (2)(a) of the Punjab procurement rule 2014. The envelopes should be marked as **“TECHNICAL PROPOSAL”** and **“FINANCIAL PROPOSAL”** in legible letters. The financial proposals of the bidders, found technically non-responsive shall be retained unopened and shall be returned on the expiry of the grievance period or decision of the complaint, if any, whichever is later. Technically approved bidders shall be informed, and their financial bids shall be opened in the presence of their representative/s within 45 working days after receiving the proposal. Time and date will be communicated to the responding organization.
- 1.2 Responding organizations shall deliver two sealed copies, **one original & two photocopies** of the **“TECHNICAL & FINANCIAL PROPOSAL/S”**. Each copy being physically separate, bound, sealed and labeled. Proposals will not be accepted after the due date and time.
- 1.3 Proposal should be delivered at the address given below:

THE TREASURER OFFICE, ADMIN BLOCK
MNS University of Engineering and Technology
BCG Chock Qasim Pur Colony GCT for Boys Multan, Pakistan
Phone #: (061)-9330591-92

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- 1.4 Proposals received after the submission deadline will not be entertained under any circumstances and will be returned unopened to the submitting vendor/s. It is the sole responsibility of the participating vendor to ensure that the proposals are delivered before the deadline. Any queries regarding this proposal should be directed to the designated contact person listed below.

Treasurer MNS UET, Multan (061)-9330591-92

- 1.5 All the prices should be mentioned on FOR basis strictly.
- 1.6 All BOQs submitted by the bidders must use the numbers and labels as used in their request for proposal.
- 1.7 The original 'request for proposal' documents duly signed and officially sealed by the bidders must be submitted in whole with the proposals. Any conditional, ambiguous, incomplete, supplementary or revised offer after the opening of tender shall not be entertained.
- 1.8 Any overwriting/crossing, etc. appearing in the offer must be properly signed by the person signing the tender. All pages of the tender must be properly signed. Offers with any overwriting shall not be accepted in any circumstances.
- 1.9 Warranty for all the equipment's, as approved by the manufacturers/suppliers, should not be less than one year. Replacement of parts, labor and service on site, must be provided. The supply of items must cover after sales and services (labor and parts) for a period of 3 years from the date of delivery.
- 1.10 The best and final rates inclusive all taxes should be quoted.
- 1.11 All taxes will be applicable as per Govt. Rules.
- 1.12 Validity of offer price should be minimum for 120 days from the date of opening of tenders.
- 1.13 A call deposit equal to 5% of the Estimated Cost should be accompanying the tender as earnest money drawn in favor of **The Treasurer, MNS UET, Multan**. The tender shall not be considered without earnest money. Bank guarantee will not be accepted in any case. The earnest money will be released after signing the agreement.
- 1.14 The successful bidder will deposit a total of 10% of contract amount as **security deposit** in the form of **call deposit receipt (CDR)**. The security deposit will be returned after successful

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completion of defect-liability/warranty-period, and after repairing the defects in the equipment/replacement found during the warranty period for FOR.

- 1.15 The successful bidder will submit blank stamp paper of value of 0.25% of the total offer, purchased in the name of University.
- 1.16 Tender participants are allowed to submit tenders in partial for the equipment's/items they propose to supply.
- 1.17 The quantity of an order may vary depending on the quoted prices and the allocated funds.
- 1.18 The decision of the purchase committee will be a binding on all concerned and will not be challenged at any forum in any case.
- 1.19 The University reserves the right to modify the conditions / specifications of the tender documents with written intimation to all the participants those who have purchased the tender documents.
- 1.20 Delivery period will be 90 days from the date of issuance of purchase order/supply order.
- 1.21 Delivery, installation and training (where applicable) must be completed according to the agreed upon schedule of works.
- 1.22 In case the tender participants fail to complete the contract strictly in accordance with the terms and conditions laid down in the contract, the security deposit shall be forfeited, and University will not be responsible for any order placed by the participants/ bidders.
- 1.23 The University will inspect all the delivered equipment's at **Department of Electrical Engineering, Muhammad Nawaz Sharif University of Engineering and Technology, Multan**, and will reject the equipment if not found according to the stated specifications.
- 1.24 The University reserves the right to claim compensation for the losses caused by delay in the delivery of equipment.
- 1.25 It is the sole responsibility of the vendor to comply with local, national and international laws.
- 1.26 Successful bidders shall be liable to bring their supplies for demonstration and specification test in the university campus at their own expenses and risks.
- 1.27 Where reference is made to any specific national or international standards, equal or higher quality will also be acceptable. In case, bidder's offer conforms the standards other than quoted in the tender inquiry he will submit the followings documents along with his bid.
 - 1.27.1 One copy of those standards in English

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- 1.27.2 Evidence that the standards used are recognized and authoritative to ensure the same to be in equal or higher quality.
- 1.28 In case the bidders do not submit the required evidence and a copy of each of the standards, his tender shall not be considered.
- 1.29 All material supplied must be brand new strictly conforming to the given specifications. Old or reconditioned or refurbished equipment shall not be acceptable.
- 1.30 In case any supplies/material is found not in conformity with the specifications provided in the tender, either on account of inferior quality, defective workmanship, faulty design, faulty packing, is short supplied or wrongly supplied, the supplier will replace the same free of charges or pay the full cost of replacement.
- 1.31 The firms with FBR Online Active Status will only be eligible to quote the tender as well as payment.
- 1.32 The entire proposal submitted will become the property of the University.

2. Evaluation Criteria

All bids shall be evaluated on technical and financial merit as follows

(a) Technical Evaluation

- (i) On the basis of best quality of the items as per specifications.
- (ii) Technical specifications of proposed equipment as envisaged in the schedule.
- (iii) Age of the company
- (iv) Financial strength of the vendor
- (v) HR strength/Man power with the vendor
- (vi) Technical support/after sale service facilities
- (vii) Backup support plan
- (viii) Availability of Main / Sub Office of the supplier at the cities where the equipment has to be delivered will be considered a plus point
- (ix) The bidders will be asked to give technical presentation of their products

Note: For all items, the minimum requirement has been specified. However, equivalent or higher products could be quoted but selection is subject to the decision of the purchase committee and cannot be challenged in any court of law.

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(b) Financial Evaluation

Lowest rate to be derived as a result of competition among the technically qualified bidders.

3. Required Information

Bidders are required to include the following documents/information in their technical proposals

- i. The name and address
- ii. Profile of company (including financial profile)
- iii. List of previous/current customer of related equipment's, with contact person and telephone/fax number.
- iv. Detailed product information/brochures
- v. Detailed product warranty/guarantee information
- vi. Copy of national tax registration certificate
- vii. Copy of sales tax registration certificate
- viii. Detailed backup support plan
- ix. Bank letter of financial standing
- x. An affidavit on Rs.200/- stamp paper that currently they have not black listed or debarred by any Government/Semi Government department to participate in bidding and to supply equipment. Failure to submit such affidavit may lead to disqualification.
- xi. Any additional information the bidder may like to furnish e.g. repair/maintenance workshop owned by supplier and other concerned facility

In addition to the above, the proposal must include the following in the order given below:

- i. Detailed equipment specifications, proposed quantities duly filled in and the BOQ attached with this document
- ii. Detailed project implementation schedule which includes the delivery of equipment mentioned in the RFP in accordance with the clause 1.17 of the tender
- iii. Terms and conditions
- iv. Equipment prices (FOR / C&F) duly entered on the form in the attached BOQ
- v. Validity period of the quoted price, i.e. 90 days or above

Special Instruction:

Bidders are directed to quote price/s for whole item only.

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4. Terms and Conditioned (FOR Basis)

- 4.1 All quoted prices should be in PKR currency inclusive of all Govt. Taxes.
- 4.2 All prices should be valid for at least 90 days. Withdrawal or any modification of the original offer within the validity period shall entitle the University to forfeit the offer and/or to impose a ban on the future inquiries or take any other suitable action against the bidder.
- 4.3 Delivery of the items shall be free of charges made by the contractor at **Muhammad Nawaz Sharif UET, Multan** during the office hours with a copy of delivery challan.
- 4.4 Items being ordered should be of new brand and according to work order specification from the current production and covered under normal warranty / guarantee etc. as mentioned in the proposal. Brochures mention, and product detail must be attached
- 4.5 Equipment's may be quoted from any company, local or foreign (except India and Israel). However, the specifications must meet the respective PEC criteria.

5. Terms and Conditioned (C&F Basis)

- 5.1 All quoted prices should be in Pakistani currency inclusive complete freight charges till the port of import i.e. Multan.
- 5.2 Delivery period will be three months (90 Days) from the date of establishment of Letter of Credit, Suppliers may however quote their best delivery period.
- 5.3 Tenderer must submit Performa Invoice in original from his principals duly signed and clearly indicating the complete specifications of each item as pre-tender inquiry, the name of the manufacturer and country of origin along-with a certificate authorizing them to quote on their behalf.
- 5.4 Withdrawal or any modification of the original offer within the validity period shall entitle the University to forfeit the Security and/or to impose a ban on the future inquiries or take any other suitable action against the bidder.
- 5.5 Payment terms for C&F offer must be letter of credit (L/C) on sight.
- 5.6 Payment will be subjected to provision of Performa invoice, airway bill and other import documents.
- 5.7 Freight/Insurance till the port of import (which is Multan) will be the responsibility of vendor.

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5.8 No offer of a supplier/firm will be considered if received without mentioned payment terms

Name of Vendor.....

Authorized person.....

Authorized Signature.....

Stamp.....

Office address.....

Tel No.....

Fax No.....

(The filled in tender document should be forwarded to Treasurer MNS UET, BCG Chowk, Qasim Pur Colony, Multan, with covering letter)

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Laboratory Equipment for Electrical Engineering Department
Power system Protection Laboratory Trainer

The Laboratory trainer consist of the following modules.

Module No.	Module Name	Module Specification
i.	Variable 3-phase Power supply	<ul style="list-style-type: none">✓ Three Phase 220-240V/380-440V, 50Hz✓ Variable Range 0-240/0-440✓ With circuit breaker protection,✓ LCD Display of voltage and current
ii.	3-phase Power supply	<ul style="list-style-type: none">✓ Three Phase 220-240V/380-440V, 50Hz✓ With circuit breaker protection,✓ LCD Display of voltage and current
iii.	RLC Load	<ul style="list-style-type: none">✓ three phase loads with possibility of star, delta and parallel connection✓ Inductive load with different values✓ Capacitive load with different values✓ Resistive load with different values✓ (Rated Voltage: 440v three phase)
iv.	Transmission Line Model	<ul style="list-style-type: none">✓ Three-phase model of an overhead power transmission line 200 km long, voltage 380 kV✓ Related Measuring instruments✓ Resistive,✓ Inductive,✓ Capacitive loads

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v.	Distance Protection Relay (Transmission protection relay)	<ul style="list-style-type: none">✓ Requisite relay testing for Transmission Line and trip relay logic etc.
vi.	Differential Protection Relay	<ul style="list-style-type: none">✓ Requisite relay typically consisting of voltage injector,✓ current injector,✓ elapsed time counter etc.
vii.	Over-current relay (IDMT/DMT)	<ul style="list-style-type: none">✓ Input current selectable✓ Adjustable time scale setting
viii.	Over / under voltage relay	<ul style="list-style-type: none">✓ Relay for monitoring the over-voltage and the under-voltage✓ Adjustable voltage setting (atleast 10%)
ix.	Potential Transformer, Current Transformer, Summation Current Transformer	<ul style="list-style-type: none">✓ Single Phase, Three Phase, 220 – 240V/380-440V, 50 Hz Burden ratio of CT and PT✓ Single Phase Summation Current Transformer Rated Power :10 VA, Transformer Ratio 2.5/1
x.	Motor Protection Relay	<ul style="list-style-type: none">✓ Three phase Motor✓ Thermal Overload✓ Overcurrent✓ Over/Under Voltage✓ Differential
xi.	Three-phase transformer	<ul style="list-style-type: none">✓ Primary: 3 x 380-440 V windings✓ Secondary: 3 x 220-240 V windings with taps at +5%, -5%, -10%, -15%✓ Possibility of Star/ Delta Connections✓ Tertiary windings
xii.	Three Phase Circuit Breaker	<ul style="list-style-type: none">✓ Three phase circuit breakers with normally closed auxiliary contact✓ Contact Load Capability 400V AC

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xiii.	Accessories	<ul style="list-style-type: none">✓ Digital Multimeter (Digital Ammeter with different fuse rating and Digital Voltmeter✓ Electronic stop clock✓ Continuity Tester✓ Three phase digital power analyzer✓ Digital torque meter✓ High voltage measuring probe✓ Connecting wires/leads, etc(Any other for operation of Trainer)
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- The estimated price of the **ONE TRAINER** that composed of all mentioned modules with accessories is **Rs: 1,200,000**
- The required number of trainers for the lab are Three (3).
- Total Estimated Cost is **Rs: 3,600,000/-**