

TENDER PROPOSALS



Tender# 16/07-02

Lab. Equipment &Software

NATIONAL TEXTILE UNIVERSITY – FAISALABAD

M/S _____

This tender was advertised in Daily Nawa-e- Waqet (July 22, 2016) & Daily Dawn (July 22, 2016), PPRA website dated July 19, 2016 and university website. The advertisement is as under:

National Textile University, Faisalabad

Tender Notice No. 16/07-02

Lab. Equipment & Software

1. National Textile University, Faisalabad invites two stage-two envelope {PPRA Rule 36(d) for serial# 1 - 4} bids in sealed envelopes from the original Manufacturers, their Authorized Agents/Distributors and GST & Income Tax registered firms for the purchase of the following Lab. Equipment and Software.

Sr. #	Item Name	Quantity
1	Impact Tester (Pendulum)	Detail in Tender Document
2	Temperature and Humidity Chamber	//
3	Dilatometer	//
4	Software (Finite Element Analysis)	//

2. Interested eligible bidders may obtain the Bidding Document from the office of Convener Purchase or Tender Document may be downloaded from the official website of NTU (www.ntu.edu.pk). The fee of Tender Document is non-refundable **Rs. 500/-** (Five hundred only). The tender document fee will be accepted in shape of Pay order/Demand Draft **drawn on Faisalabad** in the name of “National Textile University, Faisalabad”.
3. Eligible firms will submit their bids along with **2%** earnest money of the total quoted price in sealed envelope of Financial Bid in the shape of CDR/Bank Draft in favors of National Textile University, Faisalabad, **drawn on Faisalabad**.
4. Sealed bids should reach in the office of Convener Purchase by or before **12:00 noon on 11-08-2016**. Bids received within the stipulated time and date will be opened by the Purchase Committee in the Meeting Room of NTU Faisalabad on the **same day at 12:30 pm** in the presence of the Bidders or their authorized representatives as per PPRA Rules.
5. Bidders may visit the concerned department during working days (Monday to Friday) or may contact with Mr. Muhammad Umair +92 3337482972/ +92 41 9230081-5 /211 for any technical queries.

Dr. Zahid Rizwan

Convener Purchase

041-9230081-85 (Ext. 159)

National Textile University, Sheikhpura Road, Faisalabad-37610

www.ntu.edu.pk

1. General Information:

- i. National Textile University (NTU), Faisalabad invites sealed bids from original Manufacturers, their Authorized Agents and Suppliers in Pakistan registered with Income Tax and Sales Tax Department for the supply of **Lab. Equipment and Software**.
- ii. Interested eligible bidders may obtain the Bidding Document from the office of Convener Purchase or may be downloaded from the official website of NTU (www.ntu.edu.pk). The fee of tender document is non-refundable Rs.500/- (Five hundred only). The tender document fee will be accepted in shape of Cash/Pay order/Demand Draft **drawn on Faisalabad** in the name of “National Textile University, Faisalabad”. Tender fee can be submitted in a separate envelope.

2. Deadline and Procedure for Bids:

- i. Tender Proposals under “**Two stage-two envelope {PPRA Rule 36(d)}**, see this rule at the end of this document” (**Technical & Financial Bids**) will be received on **11-08-2016 till 12:00** noon in National Textile University, Faisalabad.
- ii. Technical Bids will be opened in presence of authorized representatives of the bidding firms on the same day (**11-08-2016**) at **12:30 pm** at Meeting Room, National Textile University, Faisalabad.
- iii. Technically successful bidders will be requested to present their product in the presence of technical committee of NTU. The time, date and venue will be informed in advance to present the product. Multimedia and Laptop will be provided for the presentation. Bidders will bring 06 copies of technical brochure at the time of presentation.
- iv. First, 2nd, 3rd, 4th,..... option(s) of any complete equipment or its any part may be presented at the time of product presentation. But this will not be applicable after the revised (final) technical specifications. Only first quoted option will be considered for final financial comparative statement for the healthy competition.
- v. More detailed and final specifications will be provided by the technical committee after the product presentation.
- vi. The financial bids will be opened in the presence of representatives of the technically evaluated successful bidding firms. The time, date and venue will be informed in advance to open the financial offers.

3. Bidder's Eligibility and Qualification:

- i. Bidding firm must be registered with tax authorities (Sale Tax & Income Tax) and will submit the certificates of registration.
- ii. Original manufacturer's authorized distributors/sole agents will provide certificate for participation in the tender from their principle manufacturer(s).
- iii. Bidders are required to submit the certificate along with their offer i.e. “Certified that the prices quoted in the tender are firm, final and are not in excess of printed price list of the manufacturer in country of origin and in case of any discrepancy is noticed subsequently bidder hereby undertakes to make goods any loss to the University.”
- iv. An Affidavit duly attested by the Oath Commissioner/Notary Public showing that the firm is not **Black-listed** from any Govt./Semi Govt. Department of the Pakistan.
- v. Bidder will provide Address of nearest office to Faisalabad (mandatory) and Web page address (optional)
- vi. Users list of quoted items for the last 1 years

4. Sealed Technical & Financial Bid:

- i. Technical & Financial Bids must be sealed (separately) with covering letter. There must be clearly mentioned on each envelope “**Technical proposal**” / “**Financial Proposal**”.

5. Conditional Tender:

- i. Any condition(s) imposed by the bidder will not be accepted.

6. Bid Security (PPRA Rule-25):

- i. Bidders must be accompanied by a Bid Security @ **02%** of the bid price in the shape of Pay Order / CDR in favor of National Textile University, Faisalabad. In case of failure tender document will not be entertained.

7. Performance Guarantee (PPRA rule 39):

- i. An amount of **06%** will be deducted as a performance Guarantee from the bill and shall be retained for the period of **one year** from the date of commissioning/installation of project/machine/equipment.

8. Taxes/Duties:

- i. All Govt. Taxes/Duties will be paid by NTU and should not be included in the financial offer.
- ii. All clearing and insurance charges will be paid by NTU and should not be included in the financial offer.

9. Bid Validity Period:

- i. All pricing shall be guaranteed not to increase, based on an order placed. The offer should be valid for 120 days from the date of opening of the tender.

10. Commissioning/Installation/Training:

- i. Commissioning, Installation and testing (at full capacity) of all the equipment will be provided by the bidder.
- ii. Training (on site) will be provided by the bidder for the operation, maintenance and troubleshooting etc.

11. Country of Origin and Packing:

- i. The equipment/items must be brand new and complete in all respects with original packing of manufacturer and strictly conforming to the given specifications. Country of origin and model must be mentioned in technical proposal.

12. Prices:

- i. The foreign principles/manufactures/distributors/agents/supplier/bidder should quote price of Equipment on **C&F basis at Faisalabad Dry Port OR Faisalabad Air Port**.
- ii. The bidder/supplier should quote unit price of each item/device separately, however the prices of part-a and part-b of serial # 1 (Impact Tester) must be quoted separately for healthy competition. The rest of equipment/machines at serial# 2-3 will be considered as single unit.
- iii. The working 3D animation and machine drawing/layout are compulsory to present in the product presentation session for the serial# **1** (Impact Tester) **1** and **3** (Dilatometer)

13. Notification of Award:

- i. The university will award the contract to the successful bidder whose tender has been determined to be substantially responsive and has been determined as the lowest financial proposal.
- ii. In case the offer is withdrawn, amended or revised during the validity period of the tender, the earnest money will be forfeited.

14. Warranty and availability of Spare Parts:

- i. The equipment/items or any part must be **BRANDED** (originally manufactured & assembled) & complete in all respects with original manufacturer's packing and strictly conforming to given specifications. Any used part (inner or outer) will not be accepted.
- ii. Warranty: support & service (free of cost) should not be **less than one** year otherwise offer will not be considered. Warranty period will be started from the date of *operational work of the equipment / item on site*.
- iii. All expenditures {of technical, personnel, any transportation (National/International) or any type of charges of repair/replacement of any part(s) of the item(s)/equipment during Warrantee period will be borne by the supplier/bidder.
- iv. After sale, supply of spare parts must be guaranteed on payment for a period of 2nd and 3th year (after the expiry of Warranty period that is **one** year).

15. Conformity with the given Specifications:

- i. Equipment/items will be inspected at NTU through an authorized Surveyor in the presence of the supplier/their representative. Equipment/or any part will be rejected if not found according to the given specifications.
- ii. In case any 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 or is short supplied, or wrongly supplied, the supplier will replace the short supplied wrongly supplied, faulty or defective part/material free of charges including transport charges etc. or pay the full cost of replacement.
- iii. In case of failure on the part of supplier to supply the equipment's as per specifications / quantity within the stipulated time (without extension/approval from the competent authority i.e. Rector of NTU), a penalty at least 0.25% but not exceeding 10% per month will be imposed after the approval of competent authority. Tender with any cuttings, over writings and erasing shall not be entertained.

16. Payments:

- i. The Payment will be made on the availability of funds (approvals from Government planning agencies, other relevant authorities and University management). If payment is delayed (from Government planning agencies, other relevant authorities and University management) due to any reason; no extra interest/mark-up will be paid to the supplier/bidder.

17. Mandatory Signature & Stamp:

- i. Bidder or its authorized representative must sign & stamp each page of the bid documents (technical & financial). Also bidder/supplier will provide the certificate that is provided in this document named as Certificate (Mandatory).

18. Letter of Credit (L./C.):

- i. L./C. will be arranged by the University. All necessary documents for opening LC will be provided by the bidder/supplier, very carefully to avoid any type of confusion/ or delay in supply of items/equipment.

19. Rights of the University:

- i. The University reserves the right to reject any or all bids with assigning reason(s).
- ii. The University reserves the right to ignore or waive off minor irregularities or errors in any offer.
- iii. **If there is any conflict, it is a fundamental term of the Tender that the Bidders acknowledges and accepts that the terms and conditions of the University shall prevail.**
- iv. The University reserves the right to award the Contract to one bidder or divide it among several bidders.
- v. The University reserves the right to cancel the offer of the Bidder whose bid has been found financially to be the lowest if it is revealed to the University that the Bidder does not have the capability or financial resources or facilities to carry out the contract in accordance with the terms and conditions of this Tender Documents.
- vi. The University undertakes to use its best endeavors to hold confidential any information provided by you in your tender submission documents. If you wish not to disclose any of the information to other bidders/suppliers/manufacturers etc because of its sensitivity. You should identify/specify (in black and white) reason(s) for its sensitivity.
- vii. The University will display the official comparative statement on the notice board for which such date will be notified to all bidders accordingly.

20. Breach of Contract:

- i. In case of breach of warranty or Contract, the damages suffered by the University shall be recovered from the Contractor out of any payment due to the Contractor and / or in accordance with the terms and conditions of the Contract Performance Bond mentioned in Standard Forms without notice to the Contractor.

21. Force Majeure:

- i. The Contractor shall not be liable for any additional cost or for liquidated damages for delay or any failure to perform the Contract arising out of force majeure or cause beyond his/her control including acts of God, or of the public enemy. The Contractor shall within ten (10) days from the beginning of such delay notify the University in writing of the causes of the delay. The University shall ascertain the facts and the extent of the delay and extend the time for completing the supplies as in its judgment the findings justify.

22. Legal proceedings:

- i. The law of Pakistan shall govern the contract and the tender documents. Any dispute arising out shall be decided by Competent Authority of the university.

Price quotation table (sample)

COMPONENT	Price in Pak Rupees (FOR basis ex-university store)
Price of Each Item (Please quote separate table of every item/equipment)	
In-service Training for Personnel (Yes/No)	
Total purchase cost	
Quotation in soft copy/ CD Yes/No	

Snapshot of PPRA Rule-36(d)

36. Procedures of open competitive bidding. - Save as otherwise provided in these rules the following procedures shall be permissible for open competitive bidding, namely:-

(d) *Two stage – two envelope bidding procedure.* -

First Stage:

- (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 technical proposal shall be discussed with the bidders with reference to the procuring agency's technical requirements;
- (vi) those bidders willing to meet the requirements of the procuring agency shall be allowed to revise their technical proposals following these discussions;

- (vii) bidders not willing to conform their technical proposal to the revised requirements of the procuring agency shall be allowed to withdraw their respective bids without forfeiture of their bid security;

Second Stage:

- (viii) after agreement between the procuring agency and the bidders on the technical requirements, bidders who are willing to conform to the revised technical specifications and whose bids have not already been rejected shall submit a revised technical proposal and supplementary financial proposal, according to the technical requirement;
- (ix) the revised technical proposal along with the original financial proposal and supplementary financial proposal shall be opened at a date, time and venue announced in advance by the procuring agency:

Provided that in setting the date for the submission of the revised technical proposal and supplementary price proposal a procuring agency shall allow sufficient time to the bidders to incorporate the agreed upon changes in the technical proposal and to prepare the required supplementary financial proposal; and

- (x) the procuring agency shall evaluate the whole proposal in accordance with the evaluation criteria and the bid found to be the lowest evaluated bid shall be accepted.

CERTIFICATE (Mandatory)

I (authorized official)..... On behalf of (Company name)solemnly declare that I have read all the terms and conditions of this tender document (Tender No. 16/07-02 for National Textile University Faisalabad), carefully. I also undertake the responsibility that all the given information in tender proposal against the above said tender are correct.

Signature Company stamp.

Date: _____

Initial specifications

1. Impact tester

a) Pendulum Impact Tester

Type of Material: Plastics, Composites

Two-handed operation is required to release the pendulum, eliminating the possibility of reaching into the pendulum impact tester during test

Type of Test

i) a). Charpy test according to ISO 179, ASTM D 6110

ii) b). Izod test according to ISO 180

For Charpy test

Impact Energy capacity: 50 joules

Impact velocity:

Min: 2.9 m/s, Max: 3.8 m/s

Two impact positions for 330 mm and 400 mm

Adjustable anvil separation between 22 mm and 95.3 mm

Charpy pendulum with low vibration lightweight double carbon rod pendulum

Adapter plates for 10 mm wide and 4 mm thick specimen (ISO specimen)

For Izod test

Izod-vise Manually operated for fast specimen clamping

Laterally guided inlays for fast specimen clamping

Impact Energy capacity: 44 joules

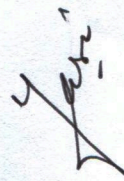
Specimen dimension: 10×4 mm

Software including standardized test programs covering over 600 standards - Multi user license

b) Sample profile cutter

- Cutter type: CNC

- Material Type: Natural fibre, Glass, Carbon Composites and Polymers
- 300 mm x 260 mm x 80 mm XYZ axis, vertical type
- 500 mm x 440 mm table size
- Variable spindle speeds from 8000 rpm to 32,000 rpm
- Single Flute Tungsten Carbide Cutters 6mm Diameter ×3 nos.
- Adjustable sample holding vice & set of 4 adjustable clamps to suit 0- 25mm thick material
- Computer interface with cabling and Windows CNC PC software
- Single line and continuous run modes with manual feed rate override
- Drop down menus with graphical display
- Graphical tool path preview
- CNC programs for test standard (ISO 179, 180, etc.)
- Uses industry standard G & M codes
- Total enclosure safety cabinet for user protection
- CE mark of conformity

A handwritten signature in black ink, located in the bottom right corner of the page. The signature is stylized and appears to be a name followed by a surname, possibly 'Y. J. J.' or similar.

2. Temperature and humidity chamber

Water bath for Swelling and Boils tests with racks for immersing the samples into the water at given temperature

1. PID control unit
2. Pump to ensure uniform circulation and temperature inside the bath
3. equipped with level control, safe temperature control and drain tap
4. Determination of swelling in thickness after immersion in water (EN 317)
5. Determination of moisture resistance under cyclic test conditions (EN 321)
6. Boil test (EN 1087-1)
7. 2-3 racks, each with 4-6 compartments for housing the samples glued to the relative supports (for EN 1087)
8. 2-3 racks, each with 4-6 compartments for housing the samples without supports (for EN 317 and EN 321)

Handwritten signature

3. Dilatometer

Type of test: Dimensional Changes in Materials (Expansion and Shrinkage) with temperature

Type of materials: Ceramics, Glasses, Carbon Composites, minerals and Polymers

Test methods: ASTM E-228, ASTM C-372, ISO 7991

Type of system: Digital, horizontal, single sample, compact, benchtop system

Temperature: Room temperature to 1000 °C

Furnace: Kanthal wire

Thermocouple: Type "S" 2 wire

Sample Holder and Probe Rod: Fused Quartz

Sample Size (max): 50 mm long × 20 mm diameter

Bench-top Footprint

LVDT Displacement Range: ± 2.50 mm

Displacement Resolution: 0.00002 millimeter or 0.02 microns

Contact Load: adjustable - minimum 4 grams

Temperature Control: User Programmable

Heating Rate: 1 to 30°C/minute (programmable at 0.01°C increments)

Data Acquisition: Data stored at 1°C increments, real-time data collection / data retrieval/graphic analysis software with computer

Remote programming and data analysis software

Factory calibration with high purity platinum

Yam

4. Finite Element Analysis Software

- COMSOL Multiphysics, Abaqus or similar
- User friendly
- Built-in CAD module
- Structural mechanics, Heat transfer modules
- Option for simultaneous coupling of modules
- Required for simulation of 3D woven/ laminated composites
- Option to handle orthotropy and non-linearity of geometry
- Option to create/import complex textile fabric geometries from textile CAD software such as Texgen, wiseTex etc.
- Single user life time license

Yasir