



**MECHANICAL, MECHATRONICS & MANUFACTURING**  
**ENGINEERING DEPARTMENT**  
**UNIVERSITY OF ENGINEERING & TECHNOLOGY LAHORE**  
**KSK CAMPUS**

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**REQUEST FOR PROPOSAL (C&F BASIS)**

Sealed Tenders, on single stage, two envelope basis (TECHNICAL & FINANCIAL PROPOSAL), are invited from the Authorized Dealers and Suppliers for the supply of equipment for Mechanical, Mechatronics and Manufacturing Engineering Department of University of Engineering and Technology Lahore, Kala Shah Kaku Campus in accordance with the specifications attached with the Tender document. Earnest money 2% of total estimated approved cost i.e. Rs.800,000/- (Rs.16000/-) as per tender list shall be attached in the shape of CDR in the name of the Treasurer University of Engineering and Technology Lahore.

Detailed specifications of the equipment and other Terms & Conditions are given in the Tender Document.

The Tender Document can be obtained on the same day of publishing of Tender on PPRA Website from the Office of the Chairman of the Department of Mechanical, Mechatronics and Manufacturing Engineering, KSK Campus during the office hours (08:30 a.m. to 03:30 p.m.) on production of receipt of Rs.1000/- (Non Refundable) deposited in the University Main Account No.553-3 at Habib Bank Ltd., Engineering University Branch, Lahore or Habib Bank Ltd. UET Booth at KSK Campus. Copy of the Bidding Documents is available for information and can also be downloaded from the websites [www.uet.edu.pk](http://www.uet.edu.pk) or [www.ppra.punjab.gov.pk](http://www.ppra.punjab.gov.pk). In case the bidding documents are downloaded from websites, the required cost of the bidding documents shall be paid/deposited in UET Account No. 553-33 with HBL, Engineering University Branch Lahore at the time of submission of bids.

The tender will be received by hand till 27.08.2018 (10:00 a.m.) and will be opened on same date at 10:30 a.m. in the presence of available bidders/representatives in the Conference Hall adjacent to Vice Chancellor Office before Central Purchase Committee, UET, Lahore.

The firms registered under GST and of good repute are eligible to participate.

No telephonic/telegraphic/email/faxed tenders are acceptable.

Procurement shall be governed by the PPRA Punjab Rules-2014.

**Dr. Zahid Anwar**  
**Principal Investigator**

**UNIVERSITY OF ENGINEERING & TECHNOLOGY**

**KSK CAMPUS LAHORE**



**TENDER DOCUMENT**

**FOR THE PURCHASE OF EQUIPMENT  
ON C&F BASE**

**for**

**Mechanical, Mechatronics &  
Manufacturing Engineering Department  
KSK Campus**

Contract Ph: 042-37951906, 042-37951907

# **UNIVERSITY OF ENGINEERING & TECHNOLOGY**

## **KSK CAMPUS LAHORE**

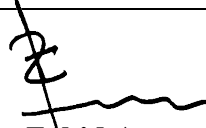
### **TERMS & CONDITIONS FOR TENDER ON C&F BASE**

1.	Single stage/two envelope bidding procedure shall be applied in response. The envelopes shall be marked as “TECHNICAL PROPOSAL” and “FINANCIAL PROPSAL”. The financial proposal of bids found technically non-responsive shall be returned unopened to the respective bidders. Technically responsive bidders shall be informed and their financial bids shall be opened in the next Central Procurement Cell (CPC) meeting after informing the technically responsive bidders.
2.	Tender must be accompanied by <b>2% of total estimated approved cost i.e. Rs.800,000/- of equipment (Rs.16000/-)</b> in the shape of Deposit-at-call in the name of Treasurer, University of Engineering and Technology, Lahore without which tender will not be entertained. <b>No Guarantee by Bank or any other organization will be accepted.</b> However, Earnest Money of the successful bidder, will be released on receipt of the Shipping documents in the Treasurer's Office.
3.	The successful bidder will have to deposit <b>10% as refundable security</b> in shape of CDR/Bank Draft of the total offer on acceptance of the tender which will be refunded/returned to the bidder after successful completion of the warranty period i.e. one year after installation/commissioning of the equipment without any interest & will arrange <b>(3) Stamp Papers @Rs.0.25% Total Value of cost</b> issuance of supply order/contract.
4.	The equipment quoted must be from indicated country of origin, having English operational as well as instructional manuals.
5.	<b>The prices should be quoted in foreign currency on C&amp;F base Lahore (by Air).</b> Exchange rates will be considered as on the date of opening of tenders.
6.	<b>The prices must be quoted item wise on Price schedule (Performa Annexure-A must be filled by the company).</b>
7.	Bidders are advised not to quote different options (only one option is to be quoted). Received bid with different options shall not be entertained.
8.	Bidders should clearly indicate packing, handling, forwarding, documents charges, air freight etc. (Attached with Financial proposal)
9.	<b>Offer</b> should be valid for <b>90 days</b> from the date of opening of tender.
10.	Letter of credit & insurance will be arranged by the University.
11.	Custom Duties and other taxes, if any, levied by the Govt. of Pakistan shall be paid by the University and should not be included in the quoted prices.
12.	The Transportation within Pakistan will be arranged and paid by the University.

13.	<b>Delivery period will be three months (90 days)</b> from the date of establishment of Letter of Credit, Suppliers may however, quote their best delivery period.
14.	Bidders must submit <b>Proforma Invoice in original from their principals</b> 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 (as under) authorizing them to quote on their behalf. (Attached Both Proposal)  <i>"This is to certify that M/s_____ have obtained quotation from us against invitation to tender due on_____ and we have agreed to supply/manufacture the stores strictly in accordance with the specifications laid down in the said invitation to tender".</i>  <b>(Attached with Technical Proposal)</b>
15.	If the acceptance of tender issued during the validity period of the tender is not accepted by the bidder. The Earnest Money shall be forfeited and the stores purchased at his risk and expense.
16.	Any overwriting/crossing, etc. appearing in the offer may be properly signed by the person signing the tender. All pages of the tender must be properly signed & stamped. Offer with any overwriting/use of Blanco shall not be accepted in any circumstances.
17.	In case, the bidder fails to execute the contract strictly in accordance with the terms and conditions laid down in the contract, the security deposited by him shall be forfeited and the stores purchased at his risk and expense.
18.	The stores must be <b>brand new and complete</b> in all respects with original packing of manufacturer and strictly conforming with the given specifications.
19.	Bidders must attach attested <b>Photocopies of their N.T.R. &amp; E.P.B Registration</b> with the tender.  <b>(Attached with Technical proposal)</b>
20.	The University will get the equipment inspected at KSK Campus through an authorized Surveyor and accept or reject the equipment, if not found according to the given specifications.
21.	The University reserves the right to claim compensation for the losses caused by delay in the delivery of stores. Bank charges on account of amendment or extension in L.C. on the request of the Supplier will also be borne by the Supplier.
22.	Bidders are required to submit the following certificate along with their offer. "Certified that the prices quoted in the tender are firm, final and are not in excess of printed price list of the manufacturer. In case any discrepancy is noticed subsequently, bidder hereby undertakes to make compensation to the University".
23.	Any conditional, ambiguous, incomplete, supplementary or revised offer after the opening of tender, shall not be entertained.
24.	Bidders should clearly indicate the name and full address of their principals in whose favour L.C. shall be opened.
25.	Bidders must have office and workshop facilities in Pakistan.

26.	Any overwriting / crossing etc. appearing in the offer, may be properly signed by the person signing the tender. All pages of the tender must be properly signed.
27.	<b>After Sale service</b> and supply of spare parts must be <b>guaranteed for a period of one year.</b> (Attached with Technical proposal)
28.	Tender received through fax / courier and e-mail shall not be acceptable.
29.	In case any material is found being 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 such material or pay the full cost of replacement.
30.	The University will award the contract to the successful tenderer whose tender has been determined to be substantially responsive and has been determined as the lowest evaluated tender item wise.
31.	The university reserves the right at the time of award of contract to increase or decrease the quantity of equipment.
32.	Within a week of receipt of contract, the successful bidder shall sign the contract and return it to the University.
33.	The following shipping documents in quadruplicate, with number and date of the contract would be dispatched to the university by courier immediately after the shipment of the goods.
34.	Non negotiable clean Air way bill / Bill of Loading showing actual freight paid.
35.	Supplier signed invoice showing separately value of each item dully signed in ink.
36.	Signed Packing List showing measurement quantity and weight of packing & their numbers.
37.	Freight Memo
38.	Guarantee Certificate
39.	The shipment against the contract must not take place on Indian or pro-Indian ship (Like Israel, etc) or those ships which come to Pakistan after touching Israeli/Indian Ports).
40.	Bidder shall be bound to provide <b>installation/commissioning Free of Cost on site (UET KSK Campus).</b>
41.	Tenders shall be received by hand upto 27 <sup>th</sup> August (Monday), 2018 till 10:00 A.M.
42.	Tenders shall be opened on 27 <sup>th</sup> August (Monday), 2018 at 10:30 A.M. in the presence of available bidders/representatives in the Conference Hall adjacent to Vice Chancellor Office before Central Purchase Committee, UET, Lahore.
43.	Country of Origin, Model, and date of manufacturing / assembly of all equipment shall be mentioned. (Attached with Technical proposal)
44.	Sale price of the tender document is <b>Rs.1000/- (Non-Refundable)</b> . The details specifications of the required equipment are given in the subsequent pages.

45.	The prices must be quoted item wise.
46.	The bidders are required to submit the company profile including Technical, Engineering, managerial capabilities after-sale service and past experience / performance along-with their Technical bid and also list of reference installation in Pakistan for similar equipments. (Attached with proposal)
47.	The bidders will arrange full training of equipment to University Staff for successful running functioning of the equipment free of cost.
48.	Procurements shall be governed by the PPRA Punjab Rules-2014.



**Dr. Zahid Anwar**  
**Principal Investigator**

## Detailed Specifications of the Tendered Equipment

Sr. No.	Item Name & Specifications	Quantity	Country of Origin	Estimated Price (Rs.)
1.	<p><b>Thermal Conductivity Analyzer</b>  <b>ACCURACY:</b> <math>\pm 5</math> to <math>\pm 10\%</math> Thermal Conductivity/Resistivity, <math>\pm 10\%</math> Specific Heat, <math>\pm 10\%</math> Thermal Diffusivity  <b>CAPABILITIES:</b> Ability to measure thermal conductivity of solids, liquids and nanofluids  <b>MEASUREMENT SPEED:</b> 1, 2, 5, &amp; 10 min. read times depending on measurement type.  <b>DATA STORAGE:</b> 4,095 readings, flash memory  <b>COMPLIANCE TO STANDARDS:</b> ASTM Standard D5334-08 and IEEE Standard 442-1981  <b>OPERATING ENVIRONMENT:</b> <math>-50</math> to <math>150^{\circ}\text{C}</math> for sensors  <b>BATTERY SOURCE:</b> 4 AA  <b>AUTO-READ MODE:</b> Users can collect unattended data at user-defined intervals in the auto-read mode  <b>TYPE:</b> Ultra low-power 16-bit microcontroller w/ 24-bit A/D converter  <b>DISPLAY:</b> Liquid Crystal Display (LCD) 7.5 cm x 4 cm  <b>CASE DIMENSIONS:</b> 15.5 x 9.5 x 3.5 cm  <b>INCLUDED ACCESSORIES:</b> KS-1 Thermal Conductivity/Resistivity sensor (for liquids) 6 cm needle length,  TR-1 Thermal Conductivity/Resistivity sensor (for solids) 10 cm needle length,  SH-1 Dual-Needle Thermal Diffusivity and Specific Heat sensor (for solids) 30mm needle length, User's manual, Pelican carrying case  Readout stand, Performance verification standards, Thermal grease, Drill bit for drilling pilot holes in materials, Concrete pilot pin, KD2 Pro download utility, RS232 cable  <b>CALIBRATION:</b> Each KD2 Pro comes factory calibrated and includes performance verification standards; , K: <math>0.02</math> to <math>4 \text{ W.m}^{-1} \text{ C}^{-1}</math>, D: <math>0.1</math> to <math>1.0 \text{ mm}^2\text{s}^{-1}</math>, R: <math>0.25</math> to <math>50\text{m.C W}^{-1}</math>  C: <math>0.5</math> to <math>4 \text{ MJ m}^{-3} \text{ C}^{-1}</math>  <b>RANGE OF MEASUREMENTS:</b>  KS-1: <math>0.02</math> to <math>2.0 \text{ W.m}^{-1} \text{ K}^{-1}</math>, TR-1: <math>0.21</math> to <math>4.0 \text{ W.m}^{-1} \text{ K}^{-1}</math>, SH-1: <math>0.02</math> to <math>2.0 \text{ W.m}^{-1} \text{ K}^{-1}</math></p>	01	USA	800,000/-

**PRICE SCHEDULE OF SCIENTIFIC INSTRUMENTS TO BE IMPORTED FOR \_\_\_\_\_**  
 (MECHANICAL, MECHATRONICS AND MANUFACTURING ENGINEERING DEPARTMENT, KSK CAMPUS)

<b>Item No.</b>	<b>Description</b>	<b>Country of Origin</b>	<b>Name of Foreigner Supplier</b>	<b>Unit Price</b>	<b>Total Price</b>	<b>By Air LHR</b>	<b>Remarks</b>
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2.							
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Signature duly stamp  
Of Supplier