

UNIVERSITY OF ENGINEERING AND TECHNOLOGY, LAHORE.



Department of Industrial & Manufacturing Engineering

TENDER NOTICE

Sealed proposal on Single Stage, one envelope basis, are hereby invited by the Department of Industrial & Manufacturing Engineering, UET Lahore to purchase

1. Industrial Thermal Imager
2. 3D scanner
3. 3D printer

In accordance with the specifications attached with the tender documents.

The Proposals/Tender document can be obtained on same day of publishing of advertisement in PPRA Website from the office of the undersigned during the office hours (08:00am to 04:00pm) on production of receipt of Rs. 500/- each (Non-Refundable), deposited in the University Main Account No. 553-33 maintained in Habib Bank Ltd., Engineering University Branch, Lahore. A copy of the Bidding Documents is available for information and can be downloaded from the websites www.uet.edu.pk or www.ppra.punjab.gov.pk. In case the bidding documents are downloaded from websites, the required cost of the bidding documents shall be paid at the time of submission of bids.

The Bid Security/Earnest Money @ 2% of the Estimated Cost in the shape of call deposit receipt in the name of Treasurer, UET Lahore is required to be submitted along with the Technical Bid, otherwise the offer shall be rejected for being non-responsive.

The last date for submission of tenders is 01-01-2018 at 11:00 a.m. The Tender will be opened on same day at 11:30 a.m. in the Conference Hall adjacent to Vice Chancellor Office by the Central Procurement Cell in the presence of the bidders or their authorized agent who may wish to attend.

- The registered firms under GST and of good repute are eligible to participate.
- No telephonic/telegraphic/email/faxed tender is acceptable.
- Procurement shall be governed by the PPRA Rules-2014.

Prof. Dr. Mohammad Pervez Mughal,
Chairman, Industrial & Manufacturing
Engineering Department,
UET Lahore.
Ph: 042-99029231.

**UNIVERSITY OF ENGINEERING & TECHNOLOGY,
LAHORE**



TENDER DOCUMENT

For Purchase of Lab. Equipment & Materials

FOR

DEPARTMENT OF INDUSTRIAL AND MANUFACTURING ENGG.

CONTACT PH: 042-99029231, FAX NO.: 042-99250202



UNIVERSITY OF ENGINEERING & TECHNOLOGY, LAHORE
Department of Industrial & Manufacturing Engineering

TERMS AND CONDITIONS FOR TENDER OF F.O.R. BASE

1. (a) Tender must be accompanied by **2%** of **estimated cost/amount as earnest money/bid security** in the shape of **Deposit-at-Call** in the name of the Treasurer, University of Engineering & Technology, Lahore. The estimated amount is Rs. One million (including taxes) for the purchase of Lab equipment and materials. Without earnest money tender will not be entertained. No Guarantee by Bank or any other organization will be accepted. However, Earnest Money of the Successful bidder will be released after signing of agreement.

(b) Tenderer may bid against all items or against individual items

(c) **10% security** (CDR) will be deducted from the **successful bidder** at the time of bill payment. The Security will be refunded/returned to the tender after satisfactory completion of warranty period i.e. one year after installation/commissioning of the equipment without any interest & will be arranged **(3) Stamp Papers @ Rs.0.25%** of issuance of supply order/contract.
2. (a) **The prices should be quoted in Pak Rupees. This quoted price should include all taxes and all accessories like manual, packing box and calibration standard.**

(b) **Tender on C&F basis will not be accepted.**
3. Offers should be valid for 60 days from the date of opening of tender.
4. **Delivery period will be 60 days** from the date of establishment of supply order. Suppliers may, however, quote their best delivery period.
5. If bidder is sole agent/distributor it must submit **SOLE AGENT/DISTRIBUTER CERTIFICATE** duly signed, clearly indicating the complete specifications of each item as per tender inquiry,

the name of the manufacturer and country of origin, along-with a certificate as under from their principals authorizing them to quote on their behalf.

“This is to certify that M/S _____ have obtained quotation from us against invitation to tender due on **01/01/2018** and we have agreed to supply/manufacture the stores strictly in accordance with the specifications laid down in the said invitation to tender”.

6. (a) 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.
- (b) In case the offer is withdrawn, amended or revised during the validity period of the tender, the earnest money will be forfeited.
- (c) 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 store purchased at his risk and expense.
7. The stores must be brand new and complete in all respects with original packing of the manufacturer and strictly conforming to the given specifications.
8. The University will get the equipment in working order in all respects after purchase(as per specifications in Annex A) inspected at I.M.E. Lahore and reject the equipment if not found according to the given specifications.
10. The University reserves the right to claim compensation for the losses caused by delay in the delivery of the stores.
11. Any conditional, ambiguous, incomplete, supplementary or revised offer after the opening of tender shall not be opened.
12. 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. Offers with any overwriting shall in no circumstances be accepted.
13. **After-sale service** and supply parts must be **guaranteed for one year**.
14. Tender received through cable, telex or fax shall not be acceptable.
15. 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 the short supplied, wrongly supplied, faulty or defective material free of charge and/or pay the full cost of replacement.
16. The University will award the contract to successful bidder whose tender has been determined to be substantially responsive and has been determined as the lowest evaluated tender.
17. The University reserves the right at the time of award of contract to the increase or decrease in the quantity of stores.

18. Within 3 days of receipt of contract, the successful bidder shall sign & date the contract and return it to the University.
19. Tenderer shall provide **installation / commissioning Free of cost** at IME Department UET Lahore.
20. Last date for receipt of tender is **01/01/2018 at 09:00 A.M.** and tender will be opened on same day at **9:30 A.M.** in the presence of the bidders or their authorized representatives who care to attend.
21. **Country of Origin** , must be from UK, USA, Japan, Europe; date of manufacturing/assembly of item **shall be mentioned.**
22. The bidders may substitute alternative standards, brand names and/or catalogue number in the tender provided it demonstrates that the substitutions are substantially equivalent or superior to those designated in the specifications.
23. The performa for the capability and potential for after-sale service must be duly filled. The bidders not filling this performa or with unsatisfactory professional and technical staff for after sale service are likely to be rejected.
24. All electrical equipments should be compatible with one or more of the following power supply: **“220V AC, 50 Hz”**
25. Cable-connectors –fasteners –Tools etc where not mentioned but needed for operation Must be supplied.
26. Sale price of the tender document is Rs.500/- (Non refundable)

(Prof. Dr. Mohammad Pervez Mughal)

Chairman, Industrial & Manufacturing Engineering Department

UET, Lahore.

ANNEXURE – A

Specifications of Lab Equipment and Materials

Sr. No.	Name of Lab Equipment & Material	Key Features	Specifications	Estimated Cost (Rs)
1.	Infrared Camera for Industrial and Commercial Applications	Quantity	01	360,000/=
		IFOV (spatial resolution)	<4mRad	
		Detector resolution	19000 pixel minimum	
		Field of view	Please mention	
		Minimum focus distance	<50cm	
		Focus system	Focus free or auto	
		Wireless connectivity	Wireless, and SD Card	
		IR technology	IR-Fusion® or better and Picture-in-Picture	
		Display	>3.5 in	
		Thermal sensitivity (NETD)	≤ 0.10 °C	
		Temperature measurement range	>250 °C	
		Built-in digital camera (visible light)	2 megapixel industrial performance	

		Frame rate	>30 Hz	
		Batteries (field-replaceable, rechargeable)	lithium ion smart battery	
		AC battery charging system	In-imager charging. Optional two-bay battery charger or optional 12 V automotive charging adapter	
		Accuracy	± 2 °C or 2 % (at 25 °C nominal, whichever is greater)	
		On-screen emissivity correction	Yes (both value and table)	
		On-screen reflected background temperature compensation	Yes	
		Color palettes	Yes	
		Color alarms (temperature alarms)	High temperature	
		Center box	Expandable-contractible measurement box with MIN-MAX-AVG temp	
		Warranty	At least one year	
2.	Desktop 3D Scanners	Quantity	01	200,000/=
		Scan type	automatic	
		Maximum Scan Volume	200×200×200 mm	
		Minimum Scan Volume	30 × 30 × 30 mm	
		Single Shot Accuracy	≤0.1 mm	
		Range of Single Capture	200×150 mm	
		Scan Speed	<2 mins	
		connectivity	1 ×USB 2.0 or 3.0 Win7, Win8, Win10 (64 bit), Dual-core i5 or higher, >8 G	
		Camera Resolution	>1.3 Mega Pixels	
3.	3D Printer		200 x 200 x 185mm	260,000/=

		Max Build size (WxDxH)	(7.9"x7.9"x7.3")	
		Material	PLA, ABS	
		Connectivity	USB Flash Drive, Ethernet, WiFi, USB Cable	
		Layer Thickness	< 0.1mm	
		Print head	Single nozzle	
		Accuracy	± 2 °C or 2 % (at 25 °C nominal, whichever is greater)	
		Monitoring Camera	Check print status remotely with laptop or smart phone via WiFi connection	
4	3D Printer	Build volume	280 x 250 x 300 mm	160,000/=
		Printing accuracy	0.1-0.2 mm	
		Connectivity	USB stick, Ethernet, WiFi, USB Cable	
	Estimated total cost			980,000/=

(Prof. Dr. Mohammad Pervez Mughal)

Chairman, Industrial & Manufacturing Engineering Department

UET, Lahore.

DEPARTMENT OF Industrial and Manufacturing Engg.

UNIVERSITY OF ENGINEERING& TECHNOLOGY, LAHORE

No./IME_____

Dated: 14 Dec, 2017

The Public Relation Officer,
University of Engineering and Technology,
Lahore.

Subject: TENDER NOTICE

Enclosed please find one copy of Tender Notice for Purchase of Lab Equipment Materials out of funds of Department of Industrial and Manufacturing Engg. University of Engineering and Technology, Lahore.

You are requested to kindly upload the Tender in the PPRA Website.

(Prof. Dr. Mohammad Pervez Mughal)

Chairman, Industrial & Manufacturing Engineering Department

UET, Lahore.

Encls:

Copy Tender Notice

DEPARTMENT OF INDUSTRIAL AND MANUFACTURING ENGG.
UNIVERSITY OF ENGINEERING & TECHNOLOGY (UET), LAHORE



TENDER NOTICE

Sealed Proposals, on single stage, one envelope basis are invited for the purchase of Lab equipment & Materials, Department of Industrial and Manufacturing Engg., UET Lahore. Detailed specifications, terms and conditions are given in the Tender Documents.

The tender document can be obtained on the same day of publishing of the advertisement PPRA Punjab website from the office of the undersigned during office hours (08:00 a.m. to 03:00 p.m.) on the production of Challan amounting Rs.500/- (nonrefundable) be deposited in the University Main Account No. 553-33 maintained in HBL, UET Branch Lahore. Deposit at call as earnest money from the scheduled Bank @ 2% of estimated amount in the name of the Treasurer, University of Engineering & Technology, Lahore should be accompanied along with the bid.

The last date of submission of tenders is **01.01.2018 at 11:00 a.m.** The Proposals will be opened on the same day at **11:30 a.m. in** Conference room adjacent to Vice-Chancellor office at UET, Lahore in the presence of available bidders or their authorized agent.

- No Telephonic/telegraphic/faxed tender will be accepted.
- Only registered firms are eligible to participate.

- ***Note: The Procurement shall be governed by PPRA-2014.***

Prof. Dr.MohammadPervez Mughal

Chairman IME Department