

Khwaja Fareed University of Engineering & Information Technology, Rahim Yar Khan



Tender Document

Tender No. Lab-103
Purchase of Lab apparatus for Physics Department
at
Khwaja Fareed University of Engineering
& Information Technology
Rahim Yar Khan

TENDER DOCUMENT

TENDER No. Lab-103

Purchase of Lab apparatus for Physics Department

at

Khwaja Fareed University of Engineering and Information Technology

TENDER PRICE Rs. 1000/-

Last date of submission: 31/10/2019

FOR OFFICE USE ONLY

Serial No. _____

Sold to: M/S _____

Date of Sale _____

Bank Challan No. _____

Date _____

1. Overview

Khawaja Fareed University of Engineering & Information Technology, Rahim Yar Khan intends to purchase “**Purchase of Lab Apparatus for Physics Department**” as provided at **Annex ‘A’**. The supplier will be responsible for Supply, delivery and commissioning of all specified items, wherever required, at the Khwaja Fareed University of Engineering & Information Technology, Rahim Yar Khan. This T e n d e r document provides complete instructions for bidders intending to participate in this Tender.

2. Instructions for Bidders

2.1. Response to the Tender (Bid) should be submitted in one part which shall include two separately sealed envelopes of **Technical Proposal and Financial Proposal** before **3:30 PM** on **31-10-2019**. Technical Proposals will be opened on same day at **4:00 PM** in the presence of representatives of responding bidders, if any, and Financial Proposals will be opened after completion of technical evaluation. The exact time and place for opening of financial proposals will be informed to technically qualified bidders.

2.2. Responding bidder shall deliver two sealed copies of the bid. Each copy being physically separate, bound, sealed and labeled. Proposals shall be delivered at the address given below.

Dr. Aamir Alaudin, Director Procurement

Procurement Department

**Khawaja Fareed University of Engineering & Information Technology
Abu Dhabi Road, Rahim Yar Khan.**

Tel. # 068-5882464

2.3. Any queries regarding this proposal should be directed to the designated Contact Person listed below.

Dr. Abid Hussain, Physics Department Tel. # 03006841179

2.4. All bids must be submitted by filling the **Annex ‘B’**. Same should be enclosed in the financial proposal. Bidder must use the same numbers and labels used in this Request for Proposal.

2.5. The original Tender Document duly signed and officially sealed by the bidder 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.

3. Technical Proposal Format

Bidders are required to include the following documents/information in their technical proposals in the order given below:

- i. Profile of company complete in all respect
- ii. List of Previous/Current customers, Purchase Orders of related Services with contact person and telephone/fax numbers.
- iii. Copy of National Tax Registration Certificate or Copy of Online Taxpayer Verification
- iv. Copy of Sales Tax Registration Certificate or Copy of Online Active Taxpayer
- v. Bank letter of financial standing /Bank Statement
- vi. An affidavit on Rs 100/- Stamp Paper issued after date of publishing of tender which illustrate that currently they are not black listed or de-barred by any Government/Semi-Government Department to participate in bidding. Failure to submit such affidavit may lead to disqualification.
- vii. Detailed item specifications or Services matched corresponding to the BOQ as given at **Annex 'A'**
- viii. Proposed delivery, response time, plan for rendering service
- ix. Signed and Stamped Complete Tender document
- x. Bank Draft of the Earnest Money

4. Financial Proposal Format

Financial Proposal must include the following in the order given below:

- i. Equipment prices duly entered on the form in the attached BOQ
- ii. Validity period of the quoted price

5. Terms & Conditions

5.1. This invitation for bids is open to all national original Manufacturers/ Distributors/Suppliers in Pakistan for supply.

- 5.2. All prices should be quoted in Pak Rupees and inclusive of all Government Taxes & Levies.
- 5.3. A bank draft equal to 2% of the estimated cost should accompany the Tender as **Earnest Money** drawn in favor of **KFUEIT Rahim Yar Khan**. The Tender shall not be considered without Earnest Money. Bank guarantee will not be accepted. Bank draft for Earnest Money should be placed with the Technical proposal.
- 5.4. Earnest Money for bidders not selected will be returned a minimum of two weeks after announcement of award and returned to successful bidder after signing the contract. If the selected bidder fails to sign the contract within stipulated time, Earnest Money will be forfeited.
- 5.5. A Bank draft of 05% of the total amount as **Performance Guarantee** will be provided by the supplier in favor of KFUEIT, Rahim Yar Khan within 12 days after decision of award of contract along with judicial stamp paper of the value @0.25 % of total cost for signing of contract agreement. Performance Guarantee shall remain valid for 12 months beyond delivery period and will be released after the completion of warranty/guarantee period, along with the satisfactory completion report by the inspection committee which will be intimated to the Seller and the Director Procurement KFUEIT, Rahim Yar Khan for their onward issuance of No Objection Certificate (NOC) for the release of performance guarantee.
- 5.6. The quantity of an order may vary depending on the quoted prices and the allocated funds.
- 5.7. The decision of the KFUEIT procurement committee will be binding on all concerned and will in no case be challenged in any forum.
- 5.8. KFUEIT Rahim Yar Khan reserves the right to modify the conditions / specifications of the Re- Tender Document with written intimation to all the participants who have purchased the Tender Document.
- 5.9. Delivery period will be as per terms and conditions of purchase order/supply order.
- 5.10. Delivery shall be completed according to the agreed upon schedule.
- 5.11. In case the selected bidder fails to execute the contract strictly in accordance with the terms and conditions laid down in the contract, the Performance Guarantee shall be forfeited.
- 5.12. The University will inspect the items at KFUEIT Rahim Yar Khan and reject the item, if not found according to the stated specifications.

- 5.13.** The University reserves the right to claim compensation for the losses caused by delay in the delivery of services.
- 5.14.** It is the sole responsibility of the bidder to comply with local, national and international laws.
- 5.15.** 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 or is short supplied, or wrongly supplied, the supplier will replace the same free of charges or pay the full cost of replacement.
- 5.16.** All the proposals submitted will become the property of the University.
- 5.17.** All prices should be valid for at least 60 days. Withdrawal or any modification of the original offer within the validity period shall entitle the KFUEIT Rahim Yar Khan to forfeit the Earnest Money in favor of the KFUEIT Rahim Yar Khan and/or putting a ban on the future inquires or taking any other suitable action against the bidder.
- 5.18.** Delivery of the items will be free of charge at Site/Activity place/Khwaja Fareed University of Engineering & Information Technology, Rahim Yar Khan during the office hours or according to the schedule of end user with a copy of Delivery Challan.
- 5.19.** Items being ordered should be brand-new and according to order specification from the current production and covered under normal warranty/guarantee etc. as mentioned in the quote. Brochures mentioned and product details must be attached.

6. Tender Evaluation Criteria

All bids shall be evaluated on technical and financial merit. The Company Evaluation Criteria is attached at **Annex 'C'** for reference. Technical evaluation process may include, but not limited to the consideration of the following with respect to the functional requirements given ahead:

- a. Technical specifications of proposed item
- b. Company Profile
 - I. Age of the company
 - II. Financial strength of the bidder

Financial Evaluation process will be based on the consideration of the quoted price.

7. Undertaking

On behalf of the company it is certified that we agree to the all the Instructions and Terms & Conditions given in this Tender Document

Name of bidder.....

Authorized person.....

Authorized signature.....

Stamp.....

Office Address.....

Tel No

Fax No

Purchase of Lab Apparatus for Physics Department

Sr. No.	Specifications/Minimum Requirements	Unit of Measure	Qty.
01	IC Tester 40 pins	set	1
02	BCD to 7-Segment Decoder 74LS47	Each	250
03	Common anode 7-Segment displays	Each	250
04	J-K Flip Flop 74LS73	Each	250
05	J-K Flip Flop with Preset and clear 74HC112	Each	250
06	BCD Decade Counter 74LS90	Each	250
07	Mod-16counter74HC93	Each	250
08	Up/Down Synchronous Counter 74HC190	Each	250
09	Three input NAND gate 74LS10	Each	250
10	Three input NOR gate 74LS27	Each	250
11	Three input AND gate 74LS11	Each	250

12	Three input OR gate 74HC4075	Each	250
13	Four input OR gate 4072B	Each	250
14	Bidirectional Shift Register 74LS194	Each	250
15	Parallen in Serial out shift register 74HC165	Each	250
16	Serial in serial out shift register 74HC595	Each	250
17	Monostable multiviberator 74LS121	Each	250
18	555 timer IC	Each	250
19	Connecting wires male to male (for bread board)	Each	250
20	Connecting wires male to female (for bread board)	Each	1000
21	SIBA F 500 mA 500v 50 189 020	Each	50
22	Oil (for Millikan oil drop experiment)	Each	1
23	Sextent Apparatus	Each	5
24	Modulus of rigidity by static & dynamic method (Maxwell's needle)	Each	5
25	To determine the modulus of rigidity by static and dynamic method (Barton's apparatus).	Each	5
26	To study the damping features of an oscillating system using simple pendulum of variable masses.	Each	6

27	Measurement of viscosity of a liquid by Stoke's method.	Each	6
28	Determine Young's modulus or modulus of rigidity by Searle's apparatus, Pakmade.	Each	3
29	Surface tension of water by capillary tube method, Pakmade.	Each	6
30	Determine the value of 'g' by compound pendulum	Each	5
31	Determine the value of 'g' by Katter's pendulum. , Pakmade. (Wall mount fitting)	Each	6
32	To study the dependence of centripetal force on mass, radius and angular velocity of a body in circular motion.	Each	6
33	Determination of moment of inertia of a solid/ hollow cylinder and a sphere etc. Pakmade	Each	6

**Purchase of Lab Apparatus for Physics Department
(Bid Form)**

Sr. No.	Item Name	Unit of Measure	Qty.	Rate Per unit (inclusive of all taxes and Shipment charges)	Total Price (inclusive of all taxes and Shipment charges)
01	IC Tester 40 pins	set	1		
02	BCD to 7-Segment Decoder 74LS47	Each	250		
03	Common anode 7-Segment displays	Each	250		
04	Flop 74LS73	Each	250		
05	J-K Flip Flop with Preset and clear 74HC112	Each	250		
06	BCD Decade Counter 74LS90	Each	250		
07	Mod-16counter74HC93	Each	250		
08	Up/Down Synchronous Counter 74HC190	Each	250		
09	Three input NAND gate 74LS10	Each	250		
10	Three input NOR gate 74LS27	Each	250		

Sr. No.	Item Name	Unit of Measure	Qty.	Rate Per unit (inclusive of all taxes and Shipment charges)	Total Price (inclusive of all taxes and Shipment charges)
11	Three input AND gate 74LS11	Each	250		
12	Three input OR gate 74HC4075	Each	250		
13	Four input OR gate 4072B	Each	250		
14	Bidirectional Shift Register 74LS194	Each	250		
15	Parallen in Serial out shift register 74HC165	Each	250		
16	Serial in serial out shift register 74HC595	Each	250		
17	Monostable multiviberator 74LS121	Each	250		
18	555 timer IC	Each	250		
19	Connecting wires male to male (for bread board)	Each	250		
20	Connecting wires male to female (for bread board)	Each	1000		
21	500 mA 500v 50 189 020	Each	50		
22	Oil (for Millikan oil drop experiment)	Each	1		

Sr. No.	Item Name	Unit of Measure	Qty.	Rate Per unit (inclusive of all taxes and Shipment charges)	Total Price (inclusive of all taxes and Shipment charges)
23	Sextent Apparatus	Each	5		
24	Modulus of rigidity by static & dynamic method (Maxwell's needle)	Each	5		
25	To determine the modulus of rigidity by static and dynamic method (Barton's apparatus).	Each	5		
26	To study the damping features of an oscillating system using simple pendulum of variable masses.	Each	6		
27	Measurement of viscosity of a liquid by Stoke's method.	Each	6		
28	Determine Young's modulus or modulus of rigidity by Searle's apparatus, Pakmade.	Each	3		
29	Surface tension of water by capillary tube method, Pakmade.	Each	6		
30	Determine the value of 'g' by compound pendulum	Each	5		
31	Determine the value of 'g' by Katter's pendulum. , Pakmade. (Wall mount fitting)	Each	6		
32	To study the dependence of centripetal force on mass, radius and angular velocity of a body in circular motion.	Each	6		
33	Determination of moment of inertia of a solid/ hollow cylinder and a sphere etc.Pakmade	Each	6		

Sr. No.	Item Name	Unit of Measure	Qty.	Rate Per unit (inclusive of all taxes and Shipment charges)	Total Price (inclusive of all taxes and Shipment charges)
TOTAL: _____					
Total in Words:					_____

Company Evaluation Criteria

- i. Profile of company complete in all respect
- ii. List of Previous/Current customers, Purchase Orders of related Services with contact person and telephone/fax numbers.
- iii. Copy of National Tax Registration Certificate or Copy of Online Taxpayer Verification
- iv. Copy of Sales Tax Registration Certificate or Copy of Online Active Taxpayer
- v. Bank letter of financial standing /Bank Statement
- vi. An affidavit on Rs 100/- Stamp Paper issued after date of publishing of tender which illustrate that currently they are not black listed or de-barred by any Government/Semi-Government Department to participate in bidding. Failure to submit such affidavit may lead to disqualification.
- vii. Detailed item specifications or Services matched corresponding to the BOQ as given at **Annex 'A'**
- viii. Proposed delivery, response time, plan for rendering service
- ix. Authorization Letter from Manufacturers where Applicable
- x. Signed and Stamped Complete Tender document
- xi. Bank Draft of the Earnest Money

Note: Basic Evaluation Criteria is mandatory to fulfill to qualify for detailed evaluation. Failure to meet and submit all documents related to basic evaluation may lead to disqualification.

2. Detailed Evaluation

(Minimum Passing Score Required is 65 Points for qualifying to Financial Opening)

DETAILED EVALUATION CRITERIA FOR TENDER			
Specifications are available at Annex-A			
Sr. No	Item Name and Description	Marks	Max Marks
1	Past Performance/Experience of the Bidder (Reg. with GST/NTN) Attach copy of all supporting documents	--	10
1.1	1 – 3 year experience	2	--
1.2	4 – 8 year experience	4	--
1.3	9 – 15 years' experience	6	--
1.4	Above 15	10	--
2	Relevant Experience (Attach copy of all supporting documents)	--	10
2.1	1 – 5 years' experience	3	--
2.2	6 – 10 years' experience	6	--
2.3	11 and above year experience	10	--
3	Financial Position/ Status (Attach copy of all supporting documents)	--	10
3.1	Last sales tax paid Form	4	--
3.2	Bank Certificate (satisfactory) attach original bank certificate indicating financial status	2	--
3.3	Statement Worth (Min 2 m) attach all supporting documents	4	--
4	After Sale Services Available (Attach copy of all supporting documents)	--	10
5	Technical Evaluation of quoted items (Attach copy of all supporting documents)	--	60
5.1	Specification matched as provided in Annex-A	30	
5.2	Literature in printed shape attached	2.5	
5.3	Reliability	2.5	
5.4	Delivery schedule as per need	5	
5.5	List of clients / where this equipment delivered	5	
5.6	Satisfactory letter from clients in favor of such equipment	5	
5.7	Guarantee / Warranty (as the case may be)	5	
5.8	Provision of Training to concerned user	2.5	
5.9	Free Installation (if required) as per requirement	2.5	
Total		--	100