

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



Tender Document

Tender No. IT-015

**Supply & Installation of Network Equipment of IT
Department for Two Academic Building**

at

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

TENDER DOCUMENT

TENDER No. IT-015

Supply & Installation of Network Equipment of IT Department for Two Academic Building

at

Khwaja Fareed University of Engineering and Information Technology

TENDER PRICE Rs. 1000/-

Last date of submission: _____

FOR OFFICE USE ONLY

Serial No. _____

Sold to: M/S _____

Date of Sale _____

Bank Challan No. _____

Date _____

1. Overview

Khwaja Fareed University of Engineering & Information Technology, Rahim Yar Khan intends to purchase “**Supply & Installation of Network Equipment of IT Department for Two Academic Building**” as provided at **Annex ‘A’**. The supplier will be responsible for Supply, delivery, installation and commissioning of all specified items, wherever required, at the Khwaja Fareed University of Engineering & Information Technology, Rahim Yar Khan. This 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 **12:30 PM** on **10-04-2018**. Technical Proposals will be opened on same day at **01:00 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.

Director Procurement

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

Tel. # 068-5882420

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

IT Department, KFUEIT, RYK

Tel. # 068-5882499

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. The Name and Address
- ii. Profile of company (Including Financial Profile)
- iii. List of Previous/Current customers of related supplies, with contact person and telephone/fax numbers.
- iv. Detailed product design information
- v. Copy of National Tax Registration Certificate
- vi. Copy of Sales Tax Registration Certificate
- vii. Bank letter of financial standing
- viii. An affidavit on Rs 100/- Stamp Paper that currently they are 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.
- ix. Any additional information the bidder may like to furnish e.g. repair/maintenance other concerned facility
- x. Detailed item specifications matched corresponding to the BOQ as given at **Annex 'A'**
- xi. Detailed project implementation schedule/Completion Schedule which includes the delivery of items mentioned in the BOQ
- xii. Signed and stamped Tender document
- xiii. 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
- iii. Any other Terms and Conditions

5. Terms & Conditions

- 5.1. This invitation for bids is open to all national original Manufacturers/ Distributors/Agents in Pakistan for Supply and installation.
- 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 5% of the total amount as **Performance Guarantee** will be provided by the supplier in favor of KFUEIT, Rahim Yar Khan within 10 days after signing of the contract on judicial stamp paper of the value PKR. 1200/-which shall remain valid for 12 months beyond delivery period. This performance guarantee will be released after the completion of warranty/guarantee period, along with the satisfactory completion report 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. KFUEIT Rahim Yar Khan reserves the right to accept / reject any or all proposals without assigning any reason thereof.
- 5.7. The quantity of an order may vary depending on the quoted prices and the allocated funds.
- 5.8. The decision of the KFUEIT procurement committee will be binding on all concerned and will in no case be challenged in any forum.
- 5.9. KFUEIT Rahim Yar Khan reserves the right to modify the conditions / specifications of the Tender Document with written intimation to all the participants who have purchased the Tender Document.
- 5.10. Delivery period will be 45 days from the date of issuance of purchase order/supply order.

- 5.11.** Delivery shall be completed according to the agreed upon schedule.
- 5.12.** 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.
- 5.13.** The University will get the item inspected at KFUEIT Rahim Yar Khan and reject the item, if not found according to the stated specifications.
- 5.14.** The University reserves the right to claim compensation for the losses caused by delay in the delivery of equipment.
- 5.15.** It is the sole responsibility of the bidder to comply with local, national and international laws.
- 5.16.** In case any supplies/material are 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.
- 5.17.** All the proposals submitted will become the property of the University.
- 5.18.** 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.
- 5.19.** Delivery of the items will be free of charge at Khawaja Fareed University of Engineering & Information Technology, Rahim Yar Khan during the office hours with a copy of Delivery Challan.
- 5.20.** 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

Supply & Installation of Network Equipment of IT Department for Two Academic Building

Sr. #	Item Name	Specifications/Minimum Requirement/Equivalent/Better	Quantity
1	Wireless Access Points (Indoor)	<p>Networking Interface (1) 10/100/1000 Ethernet Port</p> <p>Power Method 802.3af/A PoE 24V Passive PoE (Pairs 4, 5+; 7, 8 Return)</p> <p>Power Supply 24V, 0.5A Gigabit PoE Adapter* Power Save Supported</p> <p>Maximum TX Power 2.4 GHz 24 dBm 5 GHz 22 dBm</p> <p>Antennas Dual-Band Antenna Tri-Polarity 2.4 GHz: 3 dBi, 5 GHz: 3 dBi</p> <p>Wi-Fi Standards 802.11 a/b/g/n/ac</p> <p>Wireless Security WEP, WPA-PSK, WPA-Enterprise (WPA/WPA2, TKIP/AES) BSSID Up to 8 per</p> <p>VLAN 802.1Q</p> <p>Advanced QoS Per-User Rate Limiting Guest Traffic Isolation Supported WMM Voice, Video, Best Effort and Background</p> <p>Minimum Concurrent Clients 250+</p>	06

Sr. #	Item Name	Specifications/Minimum Requirement/Equivalent/Better	Quantity
		<p>Minimum Data Rates for Wifi Standard 802.11ac 6.5 Mbps to 867 Mbps (MCS0 - MCS9 NSS1/2, VHT 20/40/80) 802.11n 6.5 Mbps to 450 Mbps (MCS0 - MCS23, HT 20/40) 802.11a 6, 9, 12, 18, 24, 36, 48, 54 Mbps 802.11g 6, 9, 12, 18, 24, 36, 48, 54 Mbps 802.11b 1, 2, 5.5, 11 Mbp</p> <p>Radio Mounting Wall/Ceiling Kits</p> <p>Operating Temperature -10 to 70° C (14 to 158° F) Operating Humidity 5 to 95%</p> <p>Noncondensing Certifications CE, FCC, IC</p> <p>Fully Compatible with UBNT Wireless Controller</p> <p>With 1 Year Warranty</p>	
2	Wireless Access Points (Indoor)	<p>Networking Interface (2) 10/100/1000 Ethernet Ports Port (1) USB 2.0 Port</p> <p>Power Method Passive Power over Ethernet (48V), 802.3af/802.3at Supported (Supported Voltage Range: 44 to 57VDC)</p> <p>Power Supply 48V, 0.5A PoE Gigabit Adapter* Power Save Supported</p> <p>Maximum TX Power 2.4 GHz 22 dBm 5GHz 22 dBm</p> <p>Antennas (3) Dual-Band Antennas, 2.4 GHz: 3 dBi, 5 GHz: 3 dBi</p> <p>Wi-Fi Standards 802.11 a/b/g/n/ac</p> <p>Wireless Security</p>	06

Sr. #	Item Name	Specifications/Minimum Requirement/Equivalent/Better	Quantity
		<p>WEP, WPA-PSK, WPA-Enterprise (WPA/WPA2, TKIP/AES) BSSID Up to 8</p> <p>Radio Mounting Wall/Ceiling (Kits)</p> <p>Operating Temperature -10 to 70° C (14 to 158° F) Operating Humidity 5 to 95%</p> <p>Noncondensing Certifications CE, FCC, IC *</p> <p>PoE adapter Advanced Traffic Management</p> <p>VLAN 802.1Q</p> <p>Advanced QoS Per-User Rate Limiting Guest Traffic Isolation Supported WMM Voice, Video, Best Effort, and Background</p> <p>Concurrent Clients 250+</p> <p>Supported Data Rates (Mbps) Standard Wise</p> <p>Data Rates 802.11ac 6.5 Mbps to 1300 Mbps (MCS0 - MCS9 NSS1/2/3, VHT 20/40/80)</p> <p>802.11n 6.5 Mbps to 450 Mbps (MCS0 - MCS23, HT 20/40)</p> <p>802.11a 6, 9, 12, 18, 24, 36, 48, 54 Mbps 802.11g 6, 9, 12, 18, 24, 36, 48, 54 Mbps 802.11b 1, 2, 5.5, 11 Mbps</p> <p>Fully Compatible with UBNT Wireless Controller</p> <p>With 1 Year Warranty</p>	
3	Network Access Switch 24 Port POE with 2x Combo Gigabit SFP Ports along with SFP Transceiver	<p>Enclosure Type: Rack Mountable</p> <p>Mounting Kit: Included</p> <p>Ports: 24 x 10/100/1000 + 2 x combo Gigabit SFP</p>	04

Sr. #	Item Name	Specifications/Minimum Requirement/Equivalent/Better	Quantity
		<p>Device Type: Switch - 26 ports</p> <p>Remote Management Protocol: SNMP, RMON, HTTP, TFTP</p> <p>32 F</p> <p>Interfaces: 26 x 10Base-T/100Base-TX/1000Base-T - RJ-45 26 x 10Base-T/100Base-TX/1000Base-T - RJ-45 - PoE 2 x SFP (mini-GBIC)</p> <p>Flash Memory: 16 MB</p> <p>Voltage Required: AC 120/230 V(50/60 Hz)</p> <p>Performance: Switching capacity: 38.69 Mpps; Forwarding performance (64-byte packet size): 52 Gbps</p> <p>Power Device: Power supply - internal</p> <p>Power Over Ethernet (PoE): PoE</p> <p>Status Indicators: Link activity, port transmission speed, system, PoE</p> <p>Ram: 128 MB</p> <p>Authentication Method: RADIUS</p>	

Sr. #	Item Name	Specifications/Minimum Requirement/Equivalent/Better	Quantity
		Encryption MD5 Algorithm: SFP Module Long Range 1G Single Mode SFP	
4	Network Cabinet/Rack 6U	Wall Mountable 6U Network Rack 19-inch rack equipment up to 16.5 in. deep Load capacity of 200 lb. Locking steel cabinet vented at sides, front, top and bottom	04
5	Patch Panel 24 Port Loaded with CAT6 I/O and Cable Management Tray	Modular Patch Panel, Unshielded, Shuttered 24 Port, IU, Rack Mount, Color Black, With Loaded Cat 6 I/O and Rear Cable Management Tray	04
6	CAT 6 UTP Patch Cords Length 1 Meter	2x RJ45 (8P8C) connectors Boots with kink protection, strain relief and latch protection Length marking on boot Conductor: Copper (Cu) Category: CAT 6A Shielding: U-UTP, unshielded Structure: 4 x 2 AWG 26/7, twisted pair Color: Green Length: 1 meter	40
7	CAT 6 UTP Patch Cords Length 3 Meter	2x RJ45 (8P8C) connectors Boots with kink protection, strain relief and latch protection Length marking on boot Conductor: Copper (Cu) Category: CAT 6A	40

Sr. #	Item Name	Specifications/Minimum Requirement/Equivalent/Better	Quantity
		Shielding: U-UTP, unshielded Structure: 4 x 2 AWG 26/7, twisted pair Color: Green Length: 3 meters	
8	Fiber Optic Sliding Splice Box (ODF)	Fiber Optic Sliding Splice Box, 1U, Equipped, 12*SC duplex, including M25 Screw, Splice Cassette, Color Pigtaills OS2, Adapter	02
9	SC-LC Duplex Single-Mode 9/125 Fiber Optic Patch Cable - 2x SC Male to 2x LC Male	Connectors: SC to LC Duplex Single-Mode UPC w/ Ceramic Ferrules Cable: 9/125um OS1 Single-Mode Fiber Color: Yellow Length: 3 meters	04
10	UPS 2000VA/1500W with Batteries	Power 1500 Watts 2000VA/24VDC/220VAC Built-in intelligent 3-stage charger control for efficient charging and to prevent overcharging Multiple protections: low battery alarm, low battery shut down, overload protection, over heating protection, short circuit protection Highly efficient DC-to-AC conversion, minimizing energy loss Charging system must suit local type batteries and local weather conditions 2x Batteries 12V with Minimum 1-2 hours backup time With 1 Year Warranty	

Supply & Installation of Network Equipment of IT Department for Two Academic Building

(Bid Form)

Sr. No.	Item Name	Qty.	Unit Rate (Including all taxes & shipment charges)	Total Price (Including all taxes & shipment charges)
1	Wireless Access Points (Indoor)	06		
2	Wireless Access Points (Indoor)	06		
3	Network Access Switch 24 Port POE with 2x Combo Gigabit SFP Ports along with SFP Transceiver	04		
4	Network Cabinet/Rack 6U	04		
5	Patch Panel 24 Port Loaded with CAT6 I/O and Cable Management Tray	04		
6	CAT 6 UTP Patch Cords Length 1 Meter	40		
7	CAT 6 UTP Patch Cords Length 3 Meter	40		
8	Fiber Optic Sliding Splice Box (ODF)	02		
9	SC-LC Duplex Single-Mode 9/125 Fiber Optic Patch Cable - 2x SC Male to 2x LC Male	04		
10	UPS 2000VA/1500W with Batteries	02		
TOTAL: _____				
Total in Words: _____				

Company Evaluation Criteria

1. Basic Evaluation

- i. Profile of company
- ii. Detail of Previous/Current customers of related Supplies, Purchase Orders, with contact person and telephone/cell numbers.
- iii. Detailed product information
- iv. Copy of National Tax Registration Certificate
- v. Copy of Sales Tax Registration Certificate
- vi. Bank letter/Certificate of Account Information/financial standing
- vii. An affidavit on Rs. 100/- Stamp Paper that currently they are not black listed or de- barred by any Government/Semi-Government Department to participate in bidding and to supply equipment. Failure to submit such affidavit may lead to disqualification.
- viii. Detailed item specifications matched corresponding to the BOQ as given at **Annex 'A'**
- ix. Detailed project implementation schedule/Completion Schedule which includes the delivery of items mentioned in the BOQ
- x. Signed and stamped Tender document

2. Detailed Evaluation

(Minimum Passing Score Required is 65 Points)

TECHNICAL 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)	--	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	--	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	--	10
3.1	Last sales tax paid Form	4	--
3.2	Bank Certificate (satisfactory)	2	--
3.3	Statement Worth (Min 2 m)	4	--
4	After Sale Services Available	--	10
5	Technical Evaluation of quoted items	--	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 favour 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