KHYBER TEACHING HOSPITAL
(MTI)

BID SOLICITATION DOCUMENTS
FOR

The Procurement of Computer Systems, Servers and Network Equipment

FOR THE YEAR 2023-24

After Pre-Bid Documents
Changes are marked in Red

Note: The prospective bidder is expected to examine the Bidding Documents carefully, including all Instructions, Terms & Conditions, and Specifications etc. Failure to furnish all information required by the Bidding documents or submission of a Bid not substantially responsive to the Bidding Documents in every respect would result in the rejection of the Bid.

Manager IT-KTH   Manager Supply Chain-KTH   Representative of Finance-KTH

Manager Pharmacy-KTH   Chairman Technical Evaluation Committee-KTH

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1. INTRODUCTION:

Khyber Teaching Hospital invites. Item wise sealed bids from the eligible bidders for procurement of IT and Network Items for Hospital through Open Competitive Bidding under rule 6(2) (b) "*Single Stage Two Envelope*" bidding procedures of Khyber Pakhtunkhwa Public Procurement Regulatory Authority (KPPRA) Rules 2014.

Description	Dates
Pre-bid meeting	**23-06-2023 at 10:30 am**
Closing/Last submission/Opening	**11-07-2023/10:00am/10:30am**
Bid security	**PKR 300,000/-**
Tender Process	*Single Stage Two Envelope*

2. INSTRUCTIONS TO BIDDERS:

1. This Bidding procedure will be conducted in light of Khyber Pakhtunkhwa Public Procurement Regulatory Authority (KPPRA) Laws, Rules made there under along with Standard Bidding Documents.
2. Any bid received after the deadline for submission of bids shall not be entertained and shall be returned unopened to the Bidder.
3. All the bidders are required to provide annexure wise complete requisite documents with page marking for their Technical Evaluation / Qualification as prescribed under the rules.
4. The bid should be complete in all respect and must be signed by the bidder.
5. All prices quoted must be in Pak Rupees (PKR) and should include all applicable taxes. If not specifically mentioned in the Quotation, it will be presumed that the prices include all the taxes.
6. Bidders are essentially required to provide correct and latest postal/email/web addresses, phone/mobile/fax numbers for actively and timely communication.
7. For any query, clarification regarding Services / Bid Solicitation Documents, the applicants may send a written request at least one day prior to the opening date.
8. The Bidder may after its submission withdraw its bid prior to the expiry of the deadline prescribed for submission of bids. Withdrawn bids will be returned unopened to the Bidders.
9. Any bid not received as per terms and conditions laid down in this document are liable to be ignored. No offer shall be considered if:
   a. Received without earnest money;
   b. It is received after the date and time fixed for its receipt;
   c. The tender document and the bid are unsigned;
   d. The offer is ambiguous;
   e. The offer is conditional i.e. advance payment, or currency fluctuations etc.;
   f. The offer is from blacklisted firm in any Federal / Provincial Govt. Deptt:
   g. Hand written bids shall NOT be accepted; it must be typed.

10. Usage of correction fluid & corrections are strictly prohibited.
11. Bids will be rejected if the Bid is in some way connected with bids submitted under names

different from his own.

12. In case of Bid Tie, the decision will be taken by making toss/draw/Recall sealed quotation in front of the bidders.

13. Any direct or indirect effort by a bidding firm to influence this institution during the process of selection of a bidder or award of contract may besides rejection of its bid result into its disqualification from participation in KTH Peshawar's future bids.

14. All bidders must provide compliance sheet in soft copy with bid submission.

15. Previous Performance of the bidder shall be considered during evaluation process.

3. **ELIGIBLE BIDDERS:**

   a. Bidders must give compliance to the below mentioned clauses as these are mandatory to being eligible for the bidding process. Relevant certificates must be attached.

   b. The bidder must be registered with Income / Sales Tax Department, reflected as Active Tax Payer on the list of FBR.NTN and KPK Professional tax.

   c. The bidder shall provide an undertaking that the bidder has not been declared black listed by any Governmental/ Semi-Governmental institutions.

   d. Bidders shall not be eligible to bid if they are under a declaration of Ineligibility for corrupt and fraudulent practices issued by any government organization in accordance with the Section 44(1) KPP Rules 2014.

4. **GENERAL CONDITIONS: -**

   1. KTH Peshawar shall evaluate the proposal in a manner prescribed in advance, without reference to the price and reject any proposal which does not conform to the specified requirements.

   2. At any time prior to the deadline for submission of bids, KTH-MTI Peshawar may, for any reason, whether at its own initiative or in response to a clarification requested by a prospective Bidder, modify the bidding documents by amendment.

   3. If a bid is not substantially responsive, it will be rejected by the Procuring Entity and may not subsequently be made responsive by the Bidder by correction of the nonconformity.

   4. KTH-MTI Peshawar may accept or reject any or all of the bids under KPPRA Rules, 2014.

   5. Non-Provision of mandatory documents mention in these SBDs shall lead to disqualification of the firm / quoted items.

   6. Bid document and required documents must be submitted in Hard Tap binding, Bids in the Clip or box file will not be allowed

   7. The Procuring Agency, at any stage of the procurement proceedings, having credible reasons for or prima facie evidence of any defect in Supplier's capacities may require the Suppliers to provide information concerning their professional, technical, financial, legal or managerial competence.

   8. The Procuring Agency has the right to inspect the premises of bidder to inspect the setups ensuring proper after sales services, documents mentioned in technical bids and any other relevant details. Premises (office/workshop) of bidder shall be insured through ownership/or Rent agreement.

   9. The Bid security shall be shall be from bank account of the bidder. Ordinary cheque and Payment Order (PO) in the form of bid security shall result in bid rejection.

   10. The Unit price quoted by the bidder shall be **inclusive** of all applicable duties and taxes. All prices shall include relevant taxes & duties, where applicable. The benefit of exemption from or reduction in the GST or other taxes shall be passed on to the Procuring Agency.

   11. In case of the Importers/Authorized Dealers, the firm will ensure that the items are acquired from the original manufacturer and are procured through proper channel as

advised by the original manufacturer.

12. Different models/ prices offered for a single item by the same bidder shall be considered as alternate bid and shall be non-responsive.

13. All reservations in SBDs shall be submitted in writing in the pre-bid meeting by authorized person/representative of the firm.

14. The schedule for supply of goods shall be as under:

   i. Within 90 days from the date of issuance of supply order by the Purchasing Agency for items to be imported.

   ii. Within 30 days from the date of issuance of supply order by the Purchasing Agency for items to be locally manufactured/ locally available.

15. The Penalty on late supply of goods shall be charged as under
   i. Penalty @ 2% for late supply up to 15 days.

   ii. Penalty @ 5% for late supply beyond 15 days

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5. **INVITATION FOR BIDS**

Hospital Director, **KHYBER TEACHING HOSPITAL** invites sealed tenders on National Competitive Bidding for the procurement of Computer Systems, Servers and Network Equipment for KTH Hospital, under rule 6(2)(b) *"single stage two envelope procedure"* of KPPRA Rules 2014, from reputed firms registered with the Income / Sales tax, reflected on Active Taxpayer List of FBR.

The bidders are required to submit bid security **PKR 300,000/-** in the name of Hospital Director KTH Peshawar. An affidavit is mandatory, without indicating the figure in the technical bid that bid security is placed in the financial bid. Pre-bid meeting with the interested bidders will be held on **23-06-2023** at **10:30 am** at the Manager Supply Chain Office.

The tenders complete in all respect must reach the undersigned by **10:00 am On 11-07-2023** this will be opened at **10:30** am On the same day in the office of manager supply chain in the presence of the procurement committee and the bidders / representatives who may choose to attend.

Competent Authority reserves the right to reject any or all the bids as per provisions contained in Rule 47 of KPPRA Rules 2014.

6. BID SECURITY

Bid security **PKR 300,000/-** in favor of "Hospital Director KTH Hospital" should be kept sealed in the financial proposal. An affidavit is mandatory without indicating the figure in the technical bid that bid security is placed in the financial proposal.

Bid security of the successful bidder will be released after submission of Performance Guarantee.

The bid security may be forfeited:
        i) If a Bidder withdraws its bid during the period of bid validity specified
        by the Bidder on the Bid Form; or
        ii) In the case of a successful Bidder, if the Bidder fails to sign the contract

7. BID VALIDITY:

i)   The bids should be valid for a period of 180 days.

ii)   In exceptional circumstances, KTH Hospital may solicit the Bidder's consent to an extension of the period of validity reasons shall be recorded in writing. The request and the responses there to shall be made in writing. The bid security provided shall also be suitably extended. A Bidder may refuse the request without forfeiting its bid security. A Bidder granting the request will not be required nor permitted to modify its bid, except as provided in the bidding document.

1. EVALUATION CRITERIA

The bids / proposals will be evaluated on the basis of advertisement, bid solicitation documents and the point system as specified below.

A proposal shall be rejected during the technical evaluation if the bid does not fulfill the minimum specified requirements OR if it fails to achieve the minimum score as indicated in the below mentioned table. Relevant certificates / documents must be attached.

Technical Marks: 70 (Technical Passing Marks 49)
Financial Marks: 30
Total Marks (70+30) =100

Total Marks in Technical Criteria: 70

S #	Parameters	Sub-parameters	Marks
1	**Mandatory Documents (failing to any of below will lead to disqualification)**		
		Bidder must be importer /Authorized Distributor of the quoted items and must provide a certificate. Authorization must be attached	Mandatory
		Sales Tax Registration Certificate	Mandatory
		NTN Registration Certificate	Mandatory
		Non-Shareholder certificate, that no employee of KHYBER TEACHING HOSPITAL is shareholder in my business	Mandatory
		Most recent Sales Tax Return from FBR last two year	Mandatory
2	**Product Specification (Product Compliance with the advertised specifications)**		**30**
	Fully compliance with the required specifications as per statement of Requirement. Compliance with the required specifications as per statement of requirement with up to a maximum of four Minor deviations (1 mark deducted per deviation). Subject to the condition that main function and performance in any aspect would not be affected.		
3	**Firm Evaluation**		**14**
	Satisfactory performance certificate(s) issued by well reputable organizations/KTH each certificate carries two mark. (Supply order/Purchase order will not be considered as a performance certificate) **(National wide)** **Must be on the Institution letter head duly signed and stamped by HOD/Directors**		8

		Satisfactory performance of the firm from well reputable organizations **in KPK** (Supply order/Purchase order will not be considered as a performance certificate) Each certificate carries two mark. **Must be on the Institution letter head duly signed and stamped by HOD/Directors**.	6
4	**Testing and Calibration**		**6**
		i. List of tools, testing equipment and calibration equipment relevant to the product	3
		ii. Spare Parts readily available in Stock (to be verified physically)	3
5	**Qualified Technical Staff**		**5**
		i. List of Technical staff (Service/Hardware Engineer in KPK (Peshawar Based) (Degrees/ Certificates should be attached	4
		ii. List of Technical staff (Service/Hardware Engineer (National wide) (To be verified with relevant documents/certificates)	1
6	**Financial Capabilities**		**10**
	Turnover in Millions Audit Report / Bank Statement Should be attached	i. 05-10 million	05
		ii. 11- 20 million	10
7	**National Office / Peshawar Office**		**5**
		i. Availability of office in Peshawar To be verified with Ownership / Rent Agreement with Owner / Rent Agreement with Company Name. (to be verified through team visit)	5
	Total Marks		**70**

Financial Criteria (30 Marks):

S #	Parameters	Sub-Parameters	Total Marks: 30
	Price		**30**
		Lowest Price will get full marks. The formula to calculate the marks for the price submitted is:	30

		[Lowest Price (Fm)/Price of Bid under consideration (F)] x100 x 0.30	

Total Marks (Technical Criteria + Financial Criteria): 100

Financial bids of only technically responsive bidders will be opened publicly at the time to be announced by the Procuring Agency. The Financial Bids of technically disqualified bidders will be returned un-opened to the respective Bidders. After getting the financial score from the remaining 30 marks, the two scores will be combined to identify the best evaluated bid.

Merit Point Evaluation Methodology: Contract will be awarded to the best evaluated responsive bid which gets the maximum marks and becomes the highest ranking in the Combined Evaluation calculated through the Merit Point Average Methodology which puts greater emphasis on non-price factors like stringent global certifications on Conformance Specifications (i.e., meeting the required technical specifications), Performance Specifications (i.e., meeting the requirements the product is designed for) leading to customer satisfaction verification, certifications of the technical staff, provision of maintenance & services and post-warranty services etc.

List of computer systems and servers (2 envelope) FY-2023-24		
	Name of item	**Component**
1	**Branded Rack Server**	Branded 2U Rack Mountable along , rack mounting and arm management kits
		wo latest The Intel Xeon® Gold 6254 3.1GHz Eighteen (18) Core Processor;
		Cache Memory 24.75MB, Bus Speed 10.4 GT/s
		256 GB DDR4
		Advanced ECC with multi-bit error protection, Online spare, mirrored memory and fast fault tolerance
		Support up to 24 SFF, HDD/SSD
		Server must have all the components ready so that additional HDDs if required can be plugged directly without upgrading anything.
		USB Internal/External DVD-RW
		16 x 900GB SAS 15K rpm SFF 2.5in Hot-plug Hard Drives
		Dual port 16GB FC HBA

		Dual Port 10G SFP+ network adaptor with SFP's plus at both end compatible KTH installed core switch (Fiber connectivity).
		Serial – 1, Micro SD slot - 1
		USB 3.0 support With Up to 5 total USB's ports. 8-PCI-Express 3.0 slots, at least two x16 and Six x8 slots
		Redundant hot-plug system fans
		2 x 700W Hot plug Power Supply to support power redundancy
		Should support monitoring ongoing management, service alerting, reporting and remote management with embedded Gigabit out of band management port
		03 Years comprehensive warranty including parts and Onsite support and installation with Next business day support.
		Refurbished, Grey smuggled or international warranty products will be not accepted in any case.
		KTH will verify the serial numbers of the supplied items with its manufacturer. If found ambiguous, will be returned to the supplier at his own cost.
		Bidder must have local support & office from last 5 years in Peshawar, and 10 years in Pakistan.
		Guarantee of local service delivery within 24 hours of complaint of equipment malfunction.
		Bidder should have factory trained engineers on the proposed Servers/Storage Services.
		Support, warranty and Services SLA will be offered for Three years plan.
		100% compliance is required. (Mandatory)
		The manufacturer must have country wide direct support including major cities of Pakistan i.e. Lahore, Karachi and Islamabad.
		Proof of Proper inventory of spare parts kept anywhere in Pakistan for the equipment being offered.

		The Bidder should provide proof of execution of at least three successful deployments of Servers and Storage in quoted brand in Pakistan.
		The bidder turnover should be minimum 200M/y for last two years
		Optional Prices of the following items for future upgrade.
		900 GB SAS 15K rpm SFF 2.5in Hot-plug Hard Drive
		128GB DDR4-2400 Memory
		Windows server 2019 (18-Core License) Academic License
		Dual Port 10G network adaptor with SFP's plus at both end compatible KTH installed core switch (both fiber and r45)
		800GB SATA Mixed Used SFF SSD (OS installation)
		Windows server standard full edition 2021 (18-Core License) Academic License
		System should support Following OS:
		Canonical Ubuntu
		Red Hat Enterprise Linux (RHEL)
		SUSE Linux Enterprise Server (SLES)
		Microsoft Windows Server® with Hyper-V
		VMware ESXI Citrix Xen Server
2	900 GB SAS 15K rpm SFF 2.5in Hot-plug Hard Drive	For currently installed Dell PowerEdge R740 Rack Server
3	256 GB DDR4 RAM	For currently installed Dell PowerEdge R740 Rack Server
4	128 GB DDR4 RAM	For currently installed Dell PowerEdge R740 Rack Server
5	**Branded All In One Computer Touch screen**	10th Gen Intel Core i3-10100 3.60GHz, Max Turbo 4.30GHz, 6M, 4C/6T Processor or Higher
		Intel Q470 Chipset or Higher

		8GB (1x8GB) DDR4 2666 SODIMM Memory or Higher
		512GB M.2 2280 PCIe NVMe Solid State Drive or Higher
		Integrated Intel UHD Graphics 630 or Higher
		Integrated Intel Gigabit Ethernet Adapter or Higher
		Integrated 802.11 ac 2x2 + Bluetooth 5.0 or Higher
		Integrated HD 720p Dual Array Mic Webcam
		23.8-Inch Diagonal FHD (1920x1080) Anti-Glare Display or Higher
		windows 10 Pro Academic licensed
		Fixed Height Tilt Stand
		120W External Straight power supply
		USB Wired Keyboard or Higher
		USB Wired Optical Scroll Mouse or Higher
		3-Year Comprehensive Warranty
6	**Branded All In One Computer (Core i3 10 Generation or Higher)**	10th Gen Intel Core i3-10100 3.60GHz, Max Turbo 4.30GHz, 6M, 4C/6T Processor or Higher
		Intel Q470 Chipset or Higher
		8GB (1x8GB) DDR4 2666 SODIMM Memory or Higher
		512GB M.2 2280 PCIe NVMe Solid State Drive or Higher
		Integrated Intel UHD Graphics 630 or Higher
		Integrated Intel Gigabit Ethernet Adapter or Higher
		Integrated 802.11 ac 2x2 + Bluetooth 5.0 or Higher
		Integrated HD 720p Dual Array Mic Webcam
		23.8-Inch Diagonal FHD (1920x1080) Anti-Glare Display or Higher
		windows 10 Pro Academic licensed
		Fixed Height Tilt Stand

		120W External Straight power supply
		USB Wired Keyboard or Higher
		USB Wired Optical Scroll Mouse or Higher
		3-Year Comprehensive Warranty
7	**International Branded Desktop Computers Core-i7**	10th Gen Intel Core i7-10700 or Higher
		8GB DDR4 Memory
		Storage: 512GB high speed M2 SSD
		Graphics: Integrated Graphics (Supports PAC's DICOM images)
		Wireless: Wireless Card + Bluetooth Speaker
		USB Keyboard, USB Mouse
		24" LED Monitor
		HDMI, VGA, DP Ports
		windows 10 Pro Academic licensed
		Warranty: 03 Years comprehensive warranty including parts and Onsite support
8	**International Branded Desktop Computers Core-i5**	10th Gen Intel Core i5-10500 or Higher
		8GB DDR4 Memory
		Storage: 512GB high speed SSD Drive
		Graphics: Integrated Graphics (Supports PAC's DICOM images)
		Wireless: Wireless Card + Bluetooth +Speaker
		USB Keyboard, USB Mouse
		24" LED Monitor
		HDMI, VGA, DP Ports
		windows 10 Pro Academic licensed
		Warranty: 03 Years comprehensive warranty including parts and Onsite support

9	**Mini PC core-i3**	10th gen Core™ i3-10100T or Higher
		8GB DDR4 Memory
		Storage: 512GB high speed SSD Drive
		Graphics: Integrated Graphics (Supports PAC's DICOM images)
		Wireless: Wireless Card + Bluetooth +Speaker
		USB Keyboard, USB Mouse
		HDMI, VGA, DP Ports
		windows 10 Pro Academic licensed
		Warranty: 03 Years comprehensive warranty including parts and Onsite support
10	**International Branded Core i7 Laptop**	Intel Core i7-10510U or Higher
		1x16 GB DDR4 Memory
		1TB or above High-speed Solid-State Drive
		No Optical Drive
		13.3" FHD 1920x1080 Display, Multi Touch
		720p HD Camera,
		Intel UHD Graphics,
		Intel 9560 ac Wireless + Bluetooth,
		Backlit Keyboard
		4 Cell Li-Pol 60Wh Battery
		Carry Case
		windows 10 Pro Academic licensed
		Warranty: 03 Years comprehensive warranty including parts and Onsite support
11	**Heavy Duty Photocopier**	Speed upto 100-Copies per minute speed or above
		Single Component TPD System
		Printing Resolution 1200 x 1200 dpi

		Paper Support 550+550 Sheets
		Memory 4 GB or higher
		999 Continuous Copying or higher
		Digital Memory Sorting
		Max. Copy Size A-3
		Built In Duplex Copying & Printing
		Built In Network Color Scanner A3 Size
		Built In Network Printer A3 Size
		Built in send feature (Scan to email)
		Built in DADF
		Trolley
		Warranty: One Year Warranty and availability of parts in market.
		Additional toner price should be quoted separately
12	**Medium Duty Photocopier**	Speed 45-Copies per minute speed
		Printing Resolution 1200 x 1200 dpi
		RAM 2 GB or higher
		Paper Support 550+550 Sheets
		50 Sheet stack by pass
		999 Continuous Copying or higher
		Digital Memory Sorting
		Max. Copy Size A-3
		Built In Duplex Copying & Printing
		Built In Network Color Scanner A3 Size
		Built In Network Printer A3 Size
		Built in send feature (Scan to email)
		Built in DADF

		Trolley
		Additional toner price should be quoted separately
		Warranty: One Year Warranty and availability of parts in market.
13	**Light Duty Photocopier**	Speed 18-Copies per minute speed
		Single Component TPD System
		Printing Resolution 600 x 400 dpi
		Memory 64 MB or higher
		Paper Support 550+550 Sheets or 250 sheets
		50 Sheet stack by pass
		999 Continuous Copying
		Digital Memory Sorting
		Max. Copy Size A-3
		Built In Duplex Copying & Printing
		Zoom Range 25%-400%
		Built In Network Color Scanner A3 Size
		Built In Network Printer A3 Size
		Built in send feature (Scan to email)
		Built in DADF
		Trolley
		Additional toner price should be quoted separately
		Warranty: One Year Warranty and availability of parts in market.
14	**Heavy duty Scanner**	Desktop Sheet Feed Scanner with ADF
		100ppm / 200ipm (A4, Landscape) or above
		Scanning side: Front/Back/Duplex
		Multi page scanning, scanning both side of page automatically

		Scanning modes B&W, Color Gray Scale & 24 bit color
		ADF: 100-150 sheets or higher
		Scanning Resolution 600 dpi
		Document Size Legal from Flat-bed & ADF
		Duty Cycle: 10,000-12000 or higher scans per day
		USB 3.1/ Wired LAN
		Warranty: One Year Warranty and availability of parts in market.
15	**Scanner**	Desktop Flatbed Scanner with ADF
		Speed 45 PPM/90 IPM duplex
		Scanning side: Front/Back/Duplex
		Multi page scanning, scanning both side of page automatically
		Scanning modes B&W, Color Gray Scale & 24 bit color
		50 Sheet ADF Capacity
		Scanning Resolution 600 dpi
		Document Size Legal from Flat-bed & ADF
		Hi-speed USB 2.0
		Warranty: One Year Warranty and availability of parts in market.
16	**Lable printer**	Thermal transfer (Direct thermal)
		300/600 dpi versions
		Print Speed 300 dpi
		16 MB DRAM
		203dpi (8 dots/mm) printhead
17	**Light Duty Printer Laser Printer**	Print speed: Up to 38 ppm
		Print resolution (dpi): 600 x 600 or higher
		Print quality: Up to 1200 x 1200 dpi

		Memory: 512 MB or Higher
		Monthly Duty Cycle: 80,000 Pages or above
		Wireless Connectivity (Optional)
		Additional toner price should be quoted separately
		Warranty: 01 Year comprehensive warranty including parts and Onsite support
18	**Medium Duty Printer Laser Printer**	Print speed**:** Up to 43 ppm (A4)
		Print resolution (dpi): 600 x 600
		Print quality: Up to 1200 x 1200 dpi
		Memory: 1GB or higher
		Monthly Duty Cycle: 125,000 Pages or higher
		Wireless Connectivity (Optional)
		Additional toner price should be quoted separately
		Warranty: 01 Year comprehensive warranty including parts and Onsite support
19	**Heavy Duty Laser Jet Printer**	Print Speed: Up to 55 ppm
		Print Resolution: 600x600 DPI
		Print Quality: 1200x1200 DP
		Standard Memory: 1GB or higher
		Processor 750MHz or higher
		Wireless Connectivity (Optional)
		Additional toner price should be quoted separately
		Warranty: 01 Year comprehensive warranty including parts and Onsite support
20	**Antivirus solution**	Antivirus solution for 500 pc's further extendable. Academic license
		Features Included:
		Centralized Security Management

		Server and File Share Protection
		Advance Malware Protection using Machine Learning
		Automatic Roll Back and Exploit Prevention
		Web Application and Device Controls
		Vulnerability Management
		Firewall
		Application Control
		Web Control
		Data Encryption
		Automatic Patch Management
		Detailed Reporting
21	**Extension of currently functional Antivirus solution**	Extension of Kaspersky advanced end point business security solution (Currently functional at KTH)
22	**Exchange server License**	License MS Exchange Server 2019(Enterprise) License.
		Exchange server 2019 license for 400 users further extendable.
		Installation and trainings.
23	**3 KVA Online UPS**	Branded 3 KVA UPS ~~with External battery bank having minimum 2 hours backup on 90% load~~
24	**5 KVA Online UPS**	Branded 5 KVA UPS with External battery bank having minimum 5 hours backup on 90% load
25	**10 KVA Online UPS**	Branded 10 KVA UPS with External battery bank having minimum 10 hours backup on 90% load
26	**20 KVA Online UPS**	Branded 20 KVA UPS with External battery bank having minimum 24 hours backup on 90% load
27	**3 in 1 printer**	Print, Scan, Copy with ADF
		Printer speed: 28 ppm or above
		WiFi connectivity

		Print resolution 1,200 × 1,200 dpi (eq.)
		Memory: 512 MB or Higher
		Paper Size: A4, Legal, Letter
		Network connectivity
		Additonal Toner Price should be quoted separately
28	**Colour 3 in 1 printer**	Print, Scan, Copy with ADF
		Printer speed: 28 ppm or above
		Print resolution: 600 x 600 dpi or higher
		WiFi connectivity
		Network connectivity
		Additonal Toner Price should be quoted separately
		Memory: 512 MB or Higher
		Additional Toner Price should be quoted separately
29	**Door Lock**	Biometric finger door lock
30	**Ticket Dispenser**	Token ticket dispenser unit
31	**PVC Card Printer**	Printing Capability Double Side
		Output Hopper Capacity 100 card
		Connectivity Ethernet
		Printing Capacity 200-250
		Max Images Per Ribbon Roll >500
		Automation Mode Fully Automatic
		Print Method Direct-To-Card Dye Sublimation
		Card Thickness 10 mil to 40 mil
		Maximum Resolution 600
		Input Hopper Capacity 100 Cards

			Print Resolution 300×600
			Print Technology DYE sublimation, thermal transfer
			Sided Printing both sides
			Warranty 1yr
			2GM Memory Upgradable to Lamination module
			Voltage 230V
32	**NAS**		Capacity: minimun 50 TB
			Interface: Gigabit Ethernet and USB 3.0 compatibility
			System requirements
			Windows® 10, Windows 8 or Windows 7 operating systems
			Router with Internet connection
			Supported browsers
			Internet Explorer® 10 or higher
			Google Chrome™ 31.0 or higher on supported Windows and Mac OS platforms
			Quote Price of aditional hard disk 1TB, 2TB and 500GB
33	**Multimedia Projector medium quality**		2,400 Lumens or higher
			Contract ratio: 12000:1
			Resolution: 1280 x 800
			Minimium 2 HDMI and 1 VGA port
			Quoted price must include ceiling stand and portable 100 – 120 inches screen

34	**Multi Biometric Identification Terminal**	**Capacity:**
		Users: 10,000
		Face Template: 10,000
		Fingerprints: 10,000
		MF Cards: 10,000
		Transactions: 1,000,000
		Hardware:
		High Performance Android Industrial CPU 2GB DDR3 RAM 16GB ROM
		SilkID FingerPrint Sensor 7-inches Touch Screen, 1280*800 Pixel
		2NP Binocular Camera
		Standard Functions
		MF Card / Work Code / ADMS
		DST / Bell Schedule
		Attendance Status Auto-Switch
		Record Query / Photo ID
		including:
		licenses with 10,000 Users
		10 license
		20 license
		Note: We have got 4 x zkteco G4 devices in use in KTH. We need same device or any device that can be connected and synced with eachother.
35	**Multimedia Projector high quality**	4000 lumens or High
		Contract ratio: 12000:1
		Wireless Connectivity with laptop
		minimium Ports:
		2 HDMI
		1 VGA
		Resolution: 1280 x 800 (True WXGA)
36	**Public announcement system**	Branded Amplifier
		- Separate price for wall mounted and celling mounted branded speakers
		- 1 wired and 2 Wireless Mic
		- Cost of installation ~~per meter~~ per speaker unit

37	**Thermal label printer (without ribbon printing)**	Printing Speed: 200mm
		Printhead Life: 100 Kilometer
		Printing Method: Direct Thermal (without ribbon printing)
		Printing Paper: 79.5±0.5mm× φ83mm
		Interface: USB, Serial
		Lan Port (Optional)
		Cash Drawer Support Yes
		Beeper Yes
		Additional roller price should be quoted separately
38	**80mm Thermal Receipt Printer (without ribbon printing)**	**Printing speed :** 150mm/second or Higher
		Print Resolution: 180 dpi or Higher
		Features : Easy drop-in paper loading with tear-bar or Auto-cutter
		Connectivity Technology: USB Cable; Optional (Parallel Interface / Ethernet)
		Printing Method: Direct Thermal (without ribbon printing)
		Support multiple 1D and QR code types printing
		Support multi-international languages
		Additional roller price should be quoted separately
		Warranty: 03 Years comprehensive warranty including parts and Onsite support
39	**SMART LED SCREEN**	55"UHD 4K Flat Smart TV
		Resolution: 3,840 x 2,160
		HDMI: 3
		Warranty : One Year
40	**LED 55"**	

41	**Easy-to-move computer carts for wards**	Four wheeled trolly with below capacity: - Mounting capacility for 24" all-in-one system - Section for placing mouse and keyboard
42	**Easy to move cart for laptops**	
43	**Upgradatoin of existing UPS with battery bank and rack**	
44	**Digital Metallic Foil Label Printer**	300 dpi 12 dots/mm
45	**Digital Metallic Foil Printer Media**	
46	**Digital Metallic Foil Printer Cartridge**	
47	**Digital Metallic lable rate**	
48	**Video conferencing solution for mid to large-sized meeting room**	**Camera:** Full HD 1080p 30fps resolution with Smooth motorized pan, tilt and zoom controlled from remote or console with minimum 10x lossless HD zoom**Speaker Phone:** Full-duplex performance and Ultra-wideband audio**Microphones:** Pickup Range: 6 m and Pickup range with expansion mics: 8.5 mHaving Hub, Remote Control and table/wall mounting kitWith 2-Year Limited Hardware Warranty
49	**WIRELESS WIDE ANGLE CAMERA FOR VIDEO CONFERENCING**	UHD video conference wide-angle 4k lens camera
50	**UPS Motherboard/circuit board repair**	**15 KVA with replacement**
51	**UPS Motherboard/circuit board repair**	**10 KVA with replacement**
52	**UPS Motherboard/circuit board repair**	**5 KVA with replacement**
53	**UPS Motherboard/circuit board repair**	**3 KVA with replacement**
54	**UPS Motherboard/circuit board repair**	**2 KVA with replacement**
55	**UPS Motherboard/circuit board repair**	**1 KVA with replacement**

S.No	Name of item	Specifications
56	UPS Charger repair	15 KVA with replacement
57	UPS Charger repair	10 KVA with replacement
58	UPS Charger repair	5 KVA with replacement
59	UPS Charger repair	3 KVA with replacement
60	UPS Charger repair	2 KVA with replacement
61	UPS Charger repair	1 KVA with replacement
62	UPS Batteries	12V 100Ah maintenance free batteries with replacement
63	UPS Batteries	12V 65Ah maintenance free batteries with replacement
64	UPS Batteries	12V 40Ah maintenance free batteries with replacement
65	UPS Batteries	12V 20Ah maintenance free batteries with replacement
66	UPS Batteries	12V 9AH internal UPS batteries with replacement
67	UPS Batteries	12V 7AH internal UPS batteries with replacement
68	UPS Batteries	12V 5AH internal UPS batteries with replacement
69	Batteries Rack	32 units batteries rack for 100Ah
70	Batteries Rack	16 units batteries rack for 100Ah
71	Batteries Rack	32 units batteries rack for 65Ah
72	Batteries Rack	16 units batteries rack for 65Ah
73	Batteries Rack	32 units batteries rack for 40Ah
74	Batteries Rack	16 units batteries rack for 40Ah

Network Items Single Stage Two Envelop for 2023-24		
S.No	Name of item	Specifications

1	Firewall	Firewall Throughput: 5 Gbps or more NGFW Throughput: 2 Gbps or more WAF Throughput: 2 Gbps or more Concurrent Connections (TCP): 1,800,000 or more New Connections (TCP): 50,000 or more IPSec and SSL VPN URL Filtering Bandwidth Management **RAM** 4 Gb or more **HD Capacity:** 64 GB SSD or more **Interfaces:** At least 4x10/100/1000 Base-T At least 2x1G SFP **License** 3 years of fully functional license with all features enabled
2	Core/Distribution Switch	General Specification: - 24 x 1/10G SFP+ Ports - Switching capacity: 2 Tbp or higher - Port Switching Capacity: 700 Gbps or higher - Forwarding rate: 500 Mpps or higher Layer 2 Features - Support more than 32K MAC address tables - STP/RSTP/PVST+/RPVST+ - Port based VLAN upto 4K Vlans - Voice VLAN - Port Aggregation Layer 3 Features - IPV4/IPV6 Static routing - Dynamic Routing RIP v1/2, RIPng, Policy Routing, OSPF v1/2/3, BGP ARP - 16K ARP entries or more - Dynamic ARP inspection - ARP Anti-attack - ARP Flood suppression - ARP Source suppression DHCP - DHCP/DHCPv6 Client - DHCP/DHCPv6 Snooping - DHCP/DHCPv6 Relay - DHCP/DHCPv6 Server - DHCP Snooping Option 82 and IP/MAC Static binding entries MPLS Login through Telnet, SSH and Console Port

		General Specification:
3	Access Switch	- 24 x 10/100/1000Base-T Ethernet POE+ Ports - 4x1/10G SFP+ Ports - Switching capacity: 300 Gbps or higher - Port Switching Capacity: 100 Gbps or higher - Forwarding rate: 90 Mpps or higher Layer 2 Features - Support more than 32K MAC address tables - STP/RSTP/PVST+/RPVST+ - Port based VLAN upto 4K Vlans Security Features - User management and password protection - Port Isolation - Port Security Layer 3 Features - IPV4/IPV6 Static routing - Dynamic Routing RIP v1/2, RIPng, Policy Routing, OSPF v1/2/3, BGP ARP - 16K ARP entries or more - Dynamic ARP inspection - ARP Anti-attack - ARP Flood suppression - ARP Source suppression DHCP - DHCP/DHCPv6 Client - DHCP/DHCPv6 Snooping - DHCP/DHCPv6 Relay - DHCP/DHCPv6 Server - DHCP Snooping Option 82 and IP/MAC Static binding entries MPLS Login through Telnet, SSH and Console Port

		General Specification:
4	WLAN Controller	- Must include License to manage 160 access points. - Must be capable of managing at least 250 APs for future expandability Wireless Throughput: 2 Gbps or Higher Interfaces: - 2xGE WAN Ports or more - 2xGE SFP ports or more Features - 802.11 protocols - 11G protection - VLAN based wireless users 2-layer isolation - SSID Based wireless user 2-layer isolation - Inter AP L2 and L3 roaming - Open system, shared key - WEP-64/128 dynamic WEP - Portal authentication, local and LDAP authentication - Guest Access Control - Layer 2 protocol 802.1p, 802.1q, 802.x - RF Ping, RealTime Spectrum Guard
5	Wave-2 Controller Based Access Points	General Specification: - Enterprise Class Dual Radio Access Point IEEE 802.11a/b/g/n/ac wave2 Throughput - Support minimum data rates of 800Mbps in the 5GHz band and 400Mbps in the 2.4GHz band Interfaces - Minimum 2 x Network interface: 2GE Base-T, Power - Compatible with 802.3af/802.3at power supply MIMO - 2 x 2 MIMO with up to 2 Spatial Streams in 5GHz band and 2 x 2 MIMO with up to 2 Spatial Streams in 2.4GHz band Features - Support 256 associated client devices per radio - Support WEP-64/128, dynamic WEP, WPA, WPA2, TKIP, CCMP encryption - Support Wireless Intelligent Application Aware (wIAA), wIDS/wIPS, 802.11w, discover and suppress counterfeit APs based on SSID - Support IPv4 / IPv6 dual native protocol stack, support IPv6 Portal, IPv6 SAVI - Support different SSID/VLAN mapping different QoS policies - Support user amount and traffic load balance - Supports user isolation between Layer 2 forwarding suppression and virtual AP (multiple SSID) - Support Remote probe analysis - Support WEB, SNMP v1/v2/v3, RMON management & configuration

6	SFP Transceiver	SFP 1Gig Single mode optical/LX Transceiver Wavelength ....1310 nm Max Distance ....2-20 km Transmitter Power ....-9 ~ -3 dBm Receiver Sensitivity ....< -22 dBm Connector ....Duplex LC
7	SFP Transceiver	SFP 10Gig Single mode optical/LX Transceiver Wavelength ....1310 nm Max Distance ....2-20 km Transmitter Power ....-9 ~ -3 dBm Receiver Sensitivity ....< -22 dBm Connector ....Duplex LC
8	Online UPS with Battery Storage Unite	Power (kVA) ....5 kVA Power (kWatt) ....8 kWatt INPUT - RECTIFIER Input Voltage ....380 / 400 / 415 VAC ; 3 Single Phase Input Voltage Range ....± 15% Input Frequency ....50 / 60 Hz Input Frequency Range ....± 10% Input Power Factor ....> 0,85 OUTOUT - INVERTER & BY-PASS Output Power Factor ....0,8 Output Voltage ....380 / 400 / 415 VAC ; 3 Output Voltage Regulation ....± 1% (Static) ; ± 5% (Dynamic) Output Frequency ....50 Hz / 60 Hz (selectable) Frequency Stability ....± 0,1% (operation by battery) ; ± 1% (main synchron) Battery storage/ installation unit, maintenance free batteries, 5-6 hours backup capacity
9	Switch	General Specification: - 24 x 10/100/1000Base-T Ethernet POE+ Ports - 2 x 1G SFP Ports Layer 2 Features - Support 16K MAC address tables or more - STP/RSTP/PVST+/RPVST+ - Port based VLAN upto 4K Vlans Security Features - User management and password protection - Port Isolation - Port Security Layer 3 Features - IPV4/IPV6 Static routing DHCP - DHCP Client - DHCP Snooping - DHCP Relay

10	Switch	- DHCP Server
		- 16 x 10/100/1000Base-T Ethernet POE+ Ports
		- 2 x 1G SFP Ports
		- Port based VLAN upto 4k Vlans
		- User Management and password protection
		- Port isolation
		- Port security
		- DHCP snooping
11	Access Point	- Internal antenna
		- Ceiling/wall mount kit
		- Simultaneous Dual Band 2.4+5 GHz
		- 2.4 GHz Radio Rate: 450 Mbps or more
		- 5 GHz Radio Rate: 1300 Mbps or more
		- Integrated POE+ port with external adaptor
		- Multiple SSID Support (minimum 8)
		- SSID to VLAN Mapping
		- Wi-Fi Standards: 802.11 a/b/g/n/ac
		- Concurrent Clients: 200+
		- Captive Portal
		- Web management interface
		- DHCP
12	Wireless Bridge	- Outdoor Point to Point Wireless Bridge (Pair)
		- At least 1 GbE with POE++
		- Capable of providing point-to-point connectivity for ariel distance of at least 500 Meters or above
		- Frequency: Minimum 5GHz
		- Throughput rate: 800 Mbps or above
		- Waterproof and rust proof
		- Pole Mountable, (Pole must be included in the package)
		- Wi-Fi Standards: 802.11 ac

8. CONTRACTOR

Conditions for Blacklistment of Defaulted Bidder/Contractor under rule 44 of KPPRA Rules 2014

The following are the events, which would lead to initiate (Rule 44 of KPPRA Rules 2014) blacklisting/debarment process;

a. Consistent failure to provide satisfactory performances.
b. Found involved in corrupt/fraudulent practices.
c. Abandoned the place of work permanently

Conditions for debarment of Defaulted Bidder/Contractor

I. Failure or refusal to;
II. Accept Purchases Order / Services order terms;

III. Make supplies as per specifications agreed:
IV. Fulfill contractual obligations as per contract
V. Non execution of work as per terms & condition of contract.
VI. Any unethical or unlawful professional or business behavior detrimental to good conduct and integrity of the public procurement process.
VII. Persistent and intentional violation of important conditions of contract.
VIII. Non-adherence to quality specifications despite being importunately pointed out.
IX. Security consideration of the State i.e., any action that jeopardizes the security of the State or good repute of the KHYBER TEACHING HOSPITAL Peshawar.

Procedure for blacklistment and debarment

1. Competent authority of KHYBER TEACHING HOSPITAL may on information, or on its own motion, issue show cause notice to the bidder.
2. The show because notice shall contain the statement of allegation against the Bidder.
3. The bidder will be given maximum of seven days to submit the written reply of the show cause notice.
4. In case the bidder fails to submit written reply within the requisite time, the competent authority may proceed forth with ex-parte against the bidder.
5. Direct to issue notice of personal hearing to the bidder/ authorized representative of the bidder and the competent authority shall decide the matter on the basis of available record and personal hearing, if availed.
6. The competent authority shall decide the matter within thirty days from the initiation of proceedings.
7. The order of competent authority shall be communicated to the bidder by indicating reasons.
8. The order past as above shall be duly conveyed to the PKPRA and defaulting bidder within three days of passing order.
9. The duration of debarment may vary up to five years depending upon the nature of violation.

9. REDRESSING OF GRIEVANCES

a. The purchaser shall constitute a committee comprising of disagreed & notified by the competent authority proper powers and authorizations to address the complaints of bidders that may occur prior to the entry into force of the procurement contract.
b. Any bidder feeling aggrieved by any act of the purchaser after the submission of his bid may lodge a written complaint concerning his grievances not later than 03 days after the announcement of the bid evaluation report.
c. The grievance redressed Officer shall investigate and decide upon the complaint within 06 days of the receipt of the complaint. The report along with decision shall be forwarded to the purchaser officer within the prescribed period.
d. Mere fact of lodging of a complaint shall not warrant suspension of the procurement process.

10. Note: Grievance notified & designated who can invite appropriate official as co-opted member for grievance.

11. **AWARD OF CONTRACT:**

Contracts shall be confirmed through a written agreement signed by the successful bidder and the KTH Peshawar.

12. **PAYMENT:**

   a. No advance payment will be permissible.
   b. The payment will be made after successful supply, installation/inspection and test run of all requisite items.