



**PESHAWAR INSTITUTE OF CARDIOLOGY
(MTI)**

**BID SOLICITATION DOCUMENTS
FOR
PROCUREMENT OF IT EQUIPMENTS
LEFT OVER LOTS
FOR THE YEAR 2020-21**

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.

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1. INTRODUCTION:

Peshawar Institution of Cardiology-MTI invites. Item wise sealed bids from the eligible bidders (General Order Suppliers) for procurement of IT Equipments for Hospital Open Competitive Bidding under rule 6(2) (a) **“Single Stage Two Envelope”** bidding procedures of Khyber Pakhtunkhwa Public Procurement Regulatory Authority (KPPRA) Rules 2014.

Description	Dates
Pre-bid meeting	29-10- 2020 at 10:00 am
Closing/Last submission/Opening	06-11-2020 11:00 hours & 11:30 Hours
Bid security	2 % of the Total Bid Value
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. PIC Peshawar is exempted from GST.
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 Withdrawn bids will be returned unopened to the Bidders.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 is 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 unless duly initiated.

11. Any erasing / cutting etc. appearing on the offer, must be properly signed by the person signing the tender.
12. Bids will be rejected if the Bid is in some way connected with bids submitted under names different from his own.
13. In case of Bid Tie, the decision will be taken by making toss/draw/Recall sealed quotation in front of the bidders.
14. 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 the PIC Peshawar's future bids.
15. All related queries must be sent via email at ict@pic.edu.pk before **28th October 2020**.
16. All bidders must provide compliance sheet in soft copy with bid submission.

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. PIC 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, PIC-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. PIC-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. Rates will be valid till 30 June 2021.
15. 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 60 days from the date of issuance of supply order by the Purchasing Agency for items to be locally manufactured.
 - iii. Within 30 days from the date of issuance of supply order by the Purchasing Agency for items to be locally available
16. 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

5. INVITATION FOR BIDS

Hospital Director, **Peshawar Institution of Cardiology-MTI** invites sealed tenders on National Competitive Bidding for the procurement of IT Equipments for Hospital, under rule 6(2)(a) ***“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 2% of the total bid value in the name of Hospital Director PIC 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 29-09-2020 at 10:00 hrs at the address given below.

The tenders complete in all respect must reach the undersigned by 11:00 hrs. on 6-11-2020, which will be opened at 11:30 hrs. on the same day in conference room of the Complex 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 2% of the total bid value in favor of "Hospital Director PIC 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 Or to furnish performance Guarantee.

7. BID VALIDITY:

- i) The bids should be valid for a period of 120 days.
- ii) In exceptional circumstances, PIC 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	Product Specification		25
	Product that 100% comply with the advertised specifications	Fully compliance with the required specifications as per statement of Requirement (Up to a maximum of four Minor deviations may be accommodated subject to the condition that main function and performance in any aspect would not affect. However, up to four marks will be deducted	25
2	Legal Requirement		10
		Sales Tax Registration Certificate	Mandatory
		NTN Registration Certificate	Mandatory
		Registration with Khyber Pakhtunkhwa Revenue Authority	Mandatory
		Non-Shareholder certificate, that no employee of Peshawar Institute of Cardiology is shareholder in my business	Mandatory
		Most recent Sales Tax Return from FBR last one year	3
		Income Tax Returns of last three years	3
		Bank Statement of the Firm Last 2 years	4
3	Relevant Experience in (Quoted Items)		10
		i. 3 Institutes	3
		ii. 6 Institutes	6
		iii. 10 Institutes (Purchase Order should be attached (1 PO carry 1 mark)	10

4	Testing and Calibration		2
		i. List of tools, testing equipment and calibration equipment relevant to the product	1
		ii. Spare Parts readily available in Stock	1
5	Qualified Technical Staff		3
		i. 2 Qualified Graduate in IT	1
		ii. 4 Qualified Diploma holder in IT/Networking (Degree should be attached)	2
6	Financial Capabilities		10
	Turnover in Millions Audit Report / Bank Statement Should be attached	i. 1-15 million ii. 16-30 million iii. 31- 50 millions	3 6 10
7	National Office / Peshawar Office		5
		i. Availability of office in Peshawar	3
		ii. Availability of office at national Level To be verified with Ownership / Rent Agreement with Owner / Rent Agreement with Company Name.	2
8	Additional Warranty		5
		Additional warranty of 1 year	5
	Total Marks		70

Passing Marks :49

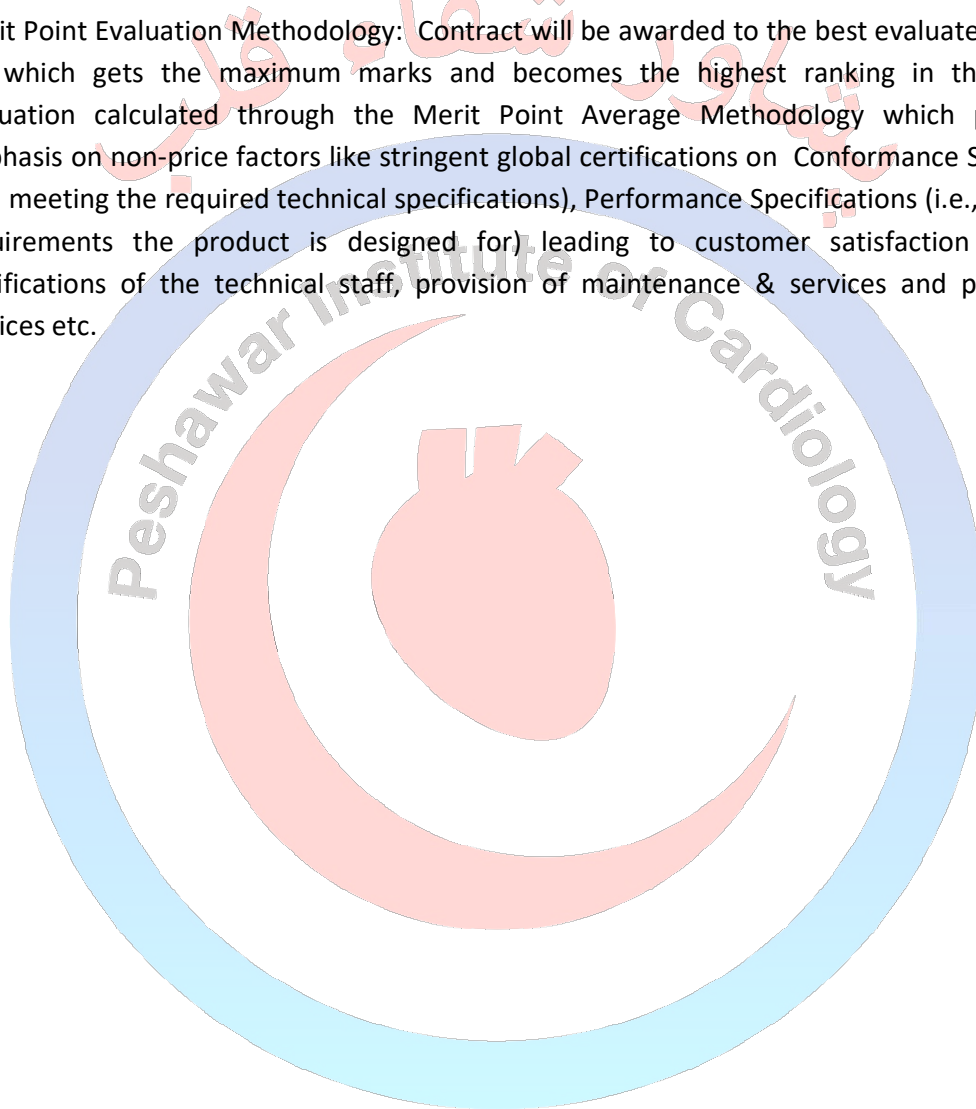
Financial Criteria (30 Marks):

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



Lot-8 Software Licenses 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	Product Specification		25
	Product that 100% comply with the advertised specifications	Fully compliance with the required specifications as per statement of Requirement (Up to a maximum of four Minor deviations may be accommodated subject to the condition that main function and performance in any aspect would not affect. However, up to four marks will be deducted	25
2	Legal Requirement		10
		Sales Tax Registration Certificate	Mandatory
		NTN Registration Certificate	Mandatory
		Registration with Khyber Pakhtunkhwa Revenue Authority	Mandatory
		Non-Shareholder certificate, that no employee of Peshawar Institute of Cardiology is shareholder in my business	Mandatory
		Most recent Sales Tax Return from FBR last one year	3
		Income Tax Returns of last three years	3
		Bank Statement of the Firm Last 2 years	4
3	Relevant Experience in (Quoted Items)		17
		iv. 3 Institutes v. 6 Institutes vi. 10 Institutes (Purchase Order should be attached (1 PO carry 1 mark)	

4	Qualified Technical Staff		3
		iii. 2 Qualified Graduate in IT iv. 4 Qualified Diploma holder in IT/Networking (Degree should be attached)	1 2
5	Financial Capabilities		10
	Turnover in Millions Audit Report / Bank Statement Should be attached	iv. 1-15 million v. 16-30 million vi. 31- 50 millions	3 6 10
6	National Office / Peshawar Office		5
		iii. Availability of office in Peshawar iv. Availability of office at national Level To be verified with Ownership / Rent Agreement with Owner / Rent Agreement with Company Name.	3 2
	Total Marks		70

Passing Marks :49

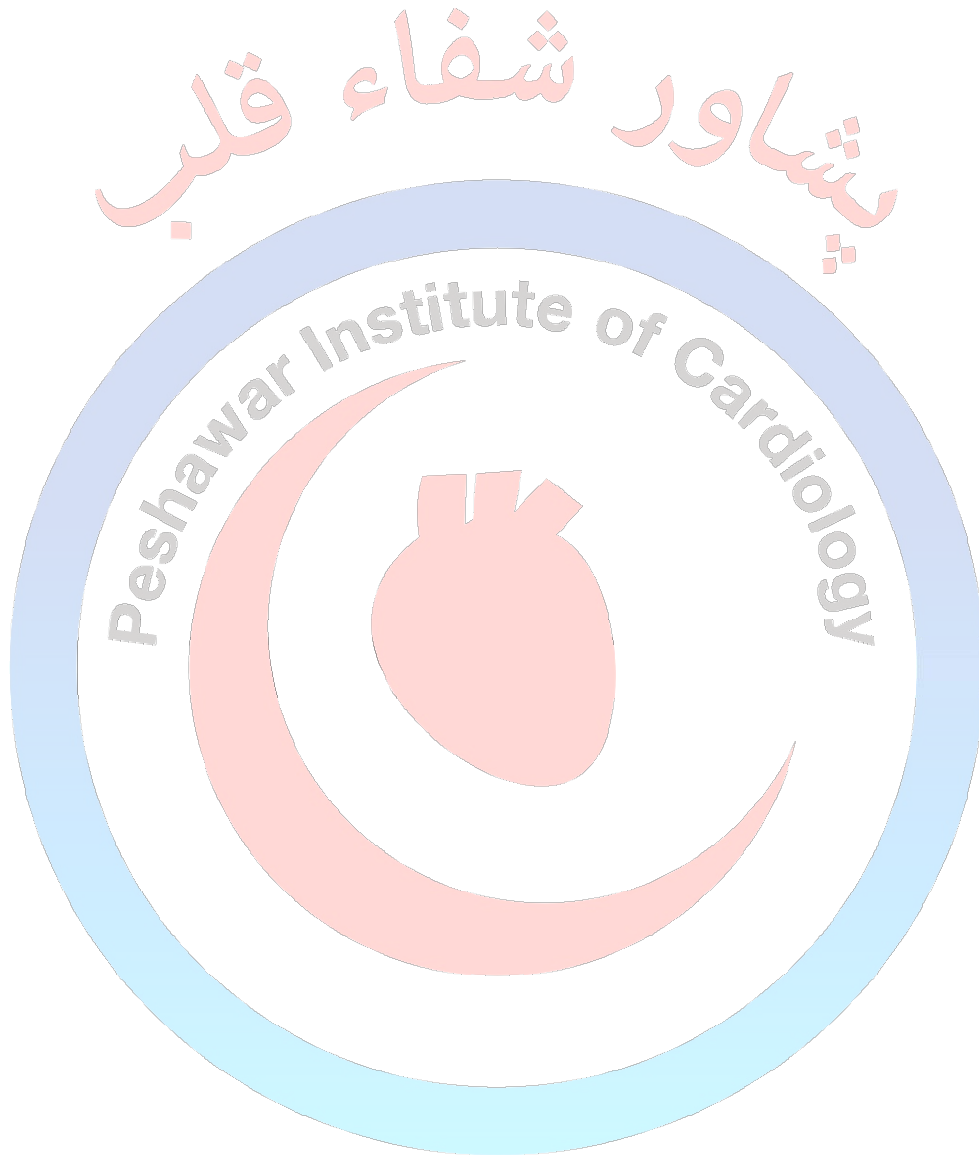
Financial Criteria (30 Marks):

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



8. STATEMENT OF REQUIREMENT WITH SPECIFICATION

LOTs	Items	Estimated Qty
LOT-2	Workstation	
	Workstation (Mid Level)	4
	Workstation (High End)	4
LOT-3	Ultra Book	
	Ultrabook FHD (Core-i7 10th Gen)	2
	Ultrabook FHD Convertible (Core-i5 10th Gen)	3
LOT-4	Mobile Workstation	
	Mobile Workstation (with 6GB Graphic Card)	2
	Mobile Workstation (with 4GB Graphic Card)	2
LOT-5	Professional Series Notebooks	
	Professional Series Notebooks (Core-i5, 2GB GC)	5
	Professional Series Notebooks (Core-i3, Integrated Graphics)	15
	Trolley for Laptop	10
LOT-7	Router	
	Enterprise Grade Router	1
LOT-8	Software Licenses	
	Windows Server STD License (16-core) per server	2
	Windows Server STD License (4-core) per server	6
	Windows 10 Professional 64-bit	30
	VMware vSphere Essentials Plus Kit	1
LOT-10	Smart Modular Data Center Solution	
	Smart Modular Data Center Solution	1
LOT-11	Enterprise-Grade Next Generation Firewall (NGFW) & Access Points	
	Next Generation Firewall	1
	Access Points (Indoor) Single Channel	30
	Access Points (Indoor) Dual Channel	20

LOT-2

Workstation (Mid-Level)

Item	Description
Processor	Dual Intel Xeon 6128 3.4GHz 2666MHz 6-Core 115W Processor
Chipset	Intel® C621/C622 Chipset or higher
Memory	32GB (2x16GB) DDR4 2933 DIMM ECC Registered 2CPU Memory (with 24 slots (12 slots per CPU) expansion slots)
Hard Disk	512GB M.2 2280 PCIe NVMe TLC SSD + 1TB 7200RPM SATA 3.5in HDD
External ports	Front I/O Premium: 1 Headset audio port, 2 USB 3.1 G2 Type C™, 2 USB 3.1 G1 Rear I/O: 6 USB 3.1 G1, 2 x 1Gbe LAN ports, Audio: 1 Line out, 1 Line in (Line in can be retasked as microphone), 1 PS/2 mouse port, 1 PS/2 keyboard port, 1 Rear power button
Communications	Intel® Wi-Fi 6 & BT PCIe
Power Supply	950W 90% Efficient or higher
Audio	Integrated Realtek HD Audio
Cooling	Standard Air cooled forced convection
Operating System	Windows 10 Pro 64-bit OEM
Keyboard & Mouse	OEM USB Business Slim Wired Keyboard & Optical Mouse
Graphics	NVIDIA Quadro P400 2GB (support 3 Displays) Graphic Card
Optical Disk Drive	9.5mm DVD-Writer ODD
Display	23.8 inch 4K IPS Bezel-less/Narrow Bezel Display with accessories
Cables	OEM miniDP-to-DP Adapter
Warranty	03 year OEM Warranty at site

Workstation (High-End)

Item	Description
Processor	Dual Intel Xeon 3206R 1.9GHz 2133MHz 8-Core 85W Processor
Chipset	Intel® C621/C622 Chipset or higher
Memory	64GB (4x16GB) DDR4 2933 DIMM ECC Registered 2CPU Memory (with 24 slots (12 slots per CPU) expansion slots)
Hard Disk	512GB M.2 2280 PCIe NVMe TLC SSD + 1TB 7200RPM SATA 3.5in HDD
External ports	Front I/O Premium: 1 Headset audio port, 2 USB 3.1 G2 Type C™, 2 USB 3.1 G1 Rear I/O: 6 USB 3.1 G1, 2 x 1Gbe LAN ports, Audio: 1 Line out, 1 Line in (Line in can be retasked as microphone), 1 PS/2 mouse port, 1 PS/2 keyboard port, 1 Rear power button
Network Card	4-port 1G NIC
Communications	Intel® Wi-Fi 6 & BT PCIe
Power Supply	950W 90% Efficient or higher
Audio	Integrated Realtek HD Audio

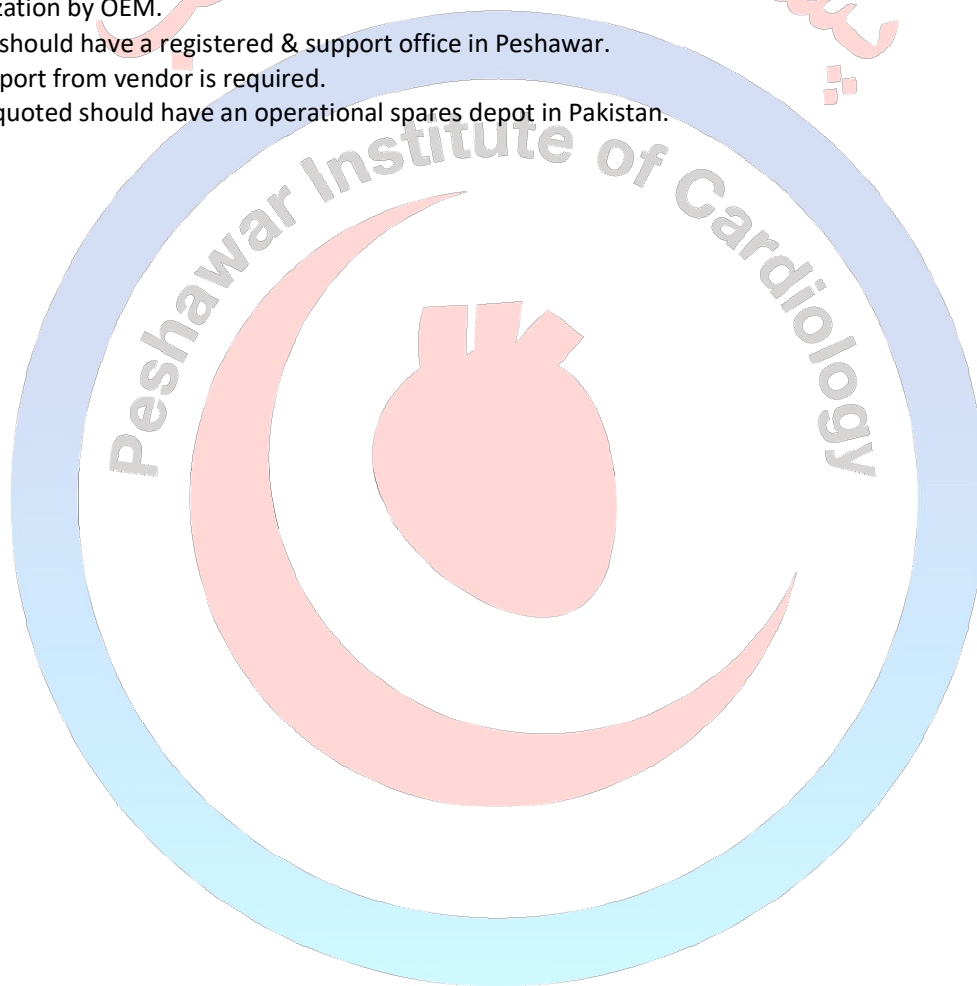
Cooling	Standard Air cooled forced convection
Operating System	Windows 10 Pro 64-bit OEM
Keyboard & Mouse	OEM USB Business Slim Wired Keyboard & Optical Mouse
Graphics	NVIDIA Quadro P600 2GB (support 4 Displays) Graphic Card
Optical Disk Drive	9.5mm DVD-Writer ODD
Display	Dual 27-inch 4K Display Bezel-less/Narrow Bezel Display with accessories and Mounting Stand supporting Dual Displays
Cables	OEM miniDP-to-DP Adapter (2-pack)
Warranty	03 year OEM Warranty at site

The bidder must be atleast Tier-1/ OEM Authorized partner of the quoted brand OEM Authorization Letter in the name of the purchaser is mandatory for the bidder to participate in the tender, for authorization by OEM.

The bidder should have a registered & support office in Peshawar.

On-site support from vendor is required.

The brand quoted should have an operational spares depot in Pakistan.



LOT-3	
Ultra Book (Core-i7)	
Item	Description
Processor	Intel® Core™ i7-10510U (1.3 GHz base frequency, up to 3.9 GHz with Intel® Turbo Boost Technology, 8 MB cache, 4 cores)
Memory	16 GB LPDDR4-3200 SDRAM (onboard)
Hard Disk	1TB PCIe® NVMe™ M.2 SSD
Display	14" FHD IPS without Touch Screen Display
Wireless Connectivity	Intel® Wi-Fi 6 + Bluetooth® 5
External ports	2 x USB-C Thunderbolt™ 3, 2 x USB 3.1 (Gen 1) HDMI 1.4; MicroSD card reader; Network extension for Ethernet/side mechanical docking 1 headphone/microphone combo
Webcam	HD IR Camera with dual array digital microphone
Audio features	Stereo Dual speakers; multi array microphone
Battery Type	Standard battery with 6-8 hours backup (with quick Charge technology) or higher
Operating System	Windows 10 Pro 64-bit OEM
Keyboard / Pointing device	Full Size Keyboard with Backlit, Touchpad with multi touch support
Mouse	OEM USB Optical Mouse
Dock	USB-C Universal Dock (RJ-45 Gigabit, USB, HDMI ports)
Graphics	Integrated Intel® Graphics
Carry Case	Carry Case / Sleeve
Warranty	03 year OEM Warranty at site

Ultra Book (Core-i5)	
Item	Description
Processor	Intel® Core™ i5-10310U processor with Intel® UHD Graphics (1.6 GHz base frequency, up to 4.4 GHz with Intel® Turbo Boost Technology, 6 MB L3 cache, 4 cores)
Memory	8GB (1x8GB) DDR4 2666
Hard Disk	512GB PCIe NVMe SSD
Display	14" FHD IPS with Touch Screen Display
Wireless Connectivity	Intel® Wi-Fi 6 + Bluetooth® 5
External ports	2 USB 3.1 Gen 2 Type-C™ with Thunderbolt™ 3 (40 Gb/s signaling rate, Power Delivery 3.0, DisplayPort™ 1.4, Sleep and Charge); 1 USB 3.1 Gen 1 Type-A (Sleep and Charge); 1 headphone/microphone combo
Webcam	HD IR Camera with dual array digital microphone

Audio features	Stereo dual speakers, multi array microphone
Battery Type	Standard battery with 6-8 hours backup or higher
Operating System	Windows 10 Pro 64-bit OEM
Dock	USB-C Universal Dock (RJ-45 Gigabit, USB, HDMI ports)
Graphics	Integrated: Intel® Premium UHD Graphics
Type	Convertible with Stylus Pen or equivalent
Other Features	Backlit spill-resistant Premium Keyboard Privacy, Fingerprint Sensor Touchpad with multi touch support
Carry Case	Business Top Load Case
Warranty	03 year OEM Warranty at site

LOT-4	
Mobile Workstation	
Item	Description
Processor	Intel® Xeon® E-2286M vPro™ with Intel® UHD Graphics 630 (2.4 GHz base frequency, up to 5.0 GHz with Intel® Turbo Boost Technology, 16 MB cache, 8 cores)
Memory	16GB (1x16GB) DDR4 2666
Hard Disk	512GB PCIe NVMe TLC SSD
Display	15.6 inch 4K Display
Graphics	NVIDIA® Quadro® RTX3000 with 6 GB dedicated GDDR6 video memory
Wireless Connectivity	Intel Wi-Fi 6 + Bluetooth 5
External ports	1 USB 3.1 (charging); 1 USB 3.1 1 HDMI 2.0b 1 headphone/microphone combo 1 RJ-45 2 USB Type-C™ (Thunderbolt™ 3); 1 power connector
Webcam	FHD webcam with IR
Audio features	Dual stereo speakers Audio with dual array digital microphone
Battery Type	Battery for 4-6 hours backup time (4 cell 90 WHr Long Life) or higher
Keyboard / Pointing device	Full Size Keyboard with Backlit, Touchpad with multi touch support
Operating System	Free DOS
Other Features	Finger Print Sensor
Carry Case	Carry Case
Warranty	03 year OEM Warranty at site

Mobile Workstation	
Item	Description

Processor	Intel® Xeon® E-2286M vPro™ with Intel® UHD Graphics 630 (2.4 GHz base frequency, up to 5.0 GHz with Intel® Turbo Boost Technology, 16 MB cache, 8 cores)
Memory	16GB (1x16GB) DDR4 2666
Hard Disk	512GB PCIe NVMe TLC SSD
Display	15.6 inch UHD anti-glare WLED-backlit 400 nits (3840 x 2160)
Graphics	NVIDIA® Quadro® T2000 with 4 GB dedicated GDDR5 video memory
Wireless Connectivity	Intel Wi-Fi 6 + Bluetooth 5
External ports	1 USB 3.1 (charging); 1 USB 3.1 1 HDMI 2.0b 1 headphone/microphone combo 1 RJ-45 2 USB Type-C™ (Thunderbolt™ 3); 1 power connector
Webcam	FHD webcam with IR
Audio features	Dual stereo speakers Audio with dual array digital microphone
Battery Type	Battery for 4-6 hours backup time (4 cell 90 WHr Long Life) or higher
Keyboard / Pointing device	Full Size Keyboard with Backlit, Touchpad with multi touch support
Operating System	Free DOS
Other Features	Finger Print Sensor
Carry Case	Carry Case
Warranty	03 year OEM Warranty at site

LOT-5


Professional Series Notebook

Item	Description
Processor	Intel® Core™ i5-10210U processor with Intel® UHD Graphics, Premium (1.6 GHz base frequency, up to 4.2 GHz with Intel® Turbo Boost Technology, 6 MB L3 cache, 4 cores)
Memory	8GB (1x8GB) DDR4 2666
Hard Disk	512GB PCIe NVMe TLC SSD
Display	15.6 inch FHD Anti-Glare LED integrated for HD Webcam + IR
Wireless Connectivity	Intel Wi-Fi 6 + Bluetooth 5 or equivalent
External ports	1 USB 3.1 Type-C™ Gen 1 (Power delivery, DisplayPort™) 2 USB 3.1 Gen 1 1 USB 2.0 (Powered port) 1 HDMI 1 RJ-45 1 AC power 1 Headphone/Microphone Combo Jack 1 Standard Security Lock
Webcam	HD 720p IR DualAryMic Webcam
Audio features	Stereo Speakers with Integrated microphone
Battery Type	Standard battery backup of 4-6 hours (3 Cell 45 WHr Long Life) or higher

Keyboard / Pointing device	Full Size Keyboard with Backlit, Touchpad with multi touch support
Operating System	Free DOS
Graphics	NVIDIA® GeForce® MX250 (2 GB DDR5 dedicated)
Other Features	Finger Print Sensor
Carry Case	Carry Case
Warranty	03 year OEM Warranty at site

Professional Series Notebook	
Item	Description
Processor	Intel® Core™ i3-10110U processor with Intel® UHD Graphics, Premium (2.1 GHz base frequency, up to 4.1 GHz with Intel® Turbo Boost Technology, 4 MB L3 cache, 2 cores)
Memory	8GB (1x8GB) DDR4 2666
Hard Disk	256GB PCIe NVMe SSD
Display	15.6 inch FHD Anti-Glare LED integrated for HD Webcam
Wireless Connectivity	Intel Wi-Fi 6 + Bluetooth 5 or equivalent
External ports	1 USB 3.1 Type-C™ Gen 1 (Power delivery, DisplayPort™) 2 USB 3.1 Gen 1 or higher 1 USB 2.0 (Powered port) 1 HDMI 1 RJ-45 1 AC power 1 Headphone/Microphone Combo Jack 1 Standard Security Lock
Webcam	HD 720p DualAryMic Webcam
Audio features	Stereo Speakers with Integrated microphone
Battery Type	Standard battery backup of 4-6 hours (3 Cell 45 WHr Long Life) or higher
Keyboard / Pointing device	Full Size Keyboard with Backlit, Touchpad with multi touch support
Operating System	Free DOS
Graphics	Intel® UHD Graphics, Premium
Other Features	Finger Print Sensor
Carry Case / Security Lock	Carry Case & Kensington Security lock
Warranty	03 year OEM Warranty at site

Trolley for Laptop	
Item	Description

Type	Movable trolley for laptop, to be used by Medical Staff during medical operations. The trolley should have shelf for laptop at the top, with adequate space for handling laptop. Additional 2-3 shelves for medical equipment and items are required in the trolley. The trolley should have durable wheels, with locking system to make it stand-still.	
Warranty	01 year warranty at site.	
Authorization	No Authorization clause applicable in Laptop trolley.	

The bidder must be at least Tier-1/OEM Authorized partner of the quoted brand
OEM Authorization Letter in the name of the purchaser is mandatory for the bidder to participate in the tender, for authorization by OEM.

The bidder should have a registered & support office in Peshawar.

On-site support from vendor is required.

The brand quoted should have an operational spares depot in Pakistan.

LOT-7	
Enterprise Grade Router	
Item	Description
Aggregate Throughput	up to 200 Mbps (64-byte packets)
Routing table size	200,000 entries (IPv4), 200,000 entries (IPv6) or higher
Forwarding table size	200,000 entries (IPv4), 200,000 entries (IPv6) or higher
Total onboard WAN / LAN 10/100/1000 ports	3 RJ-45 autosensing 10/100/1000 WAN ports 3 RJ-45 autosensing 10/100/1000 LAN ports 3 x SFP based ports
Additional Ports & Slots	2 USB 2.0; 1 USB console port -type B mini 1 RJ-45 console port to access limited CLI port
Memory & Processor	RISC @ 667 MHz, 1GB DDR3 SDRAM, 1.5 GB Flash Memory or higher
Interfaces support	E1 / E3, Serial, ADSL, ADSL+
Mounting and enclosure	Desktop or can be mounted in a EIA standard 19-inch telco rack when used with the rack-mount kit
Power-supply	Power supply with power cord
AC input voltage	100 to 240 VAC rated

MTBF (years)	137.5
Temperature	32°F to 113°F (0°C to 45°C) Operating conditions -40° to 158°F (-40° to 70°C) Non-operating conditions
Relative humidity	5% to 95% non-condensing
Safety	UL 60950-1; IEC 60950-1; EN 60950-1; CAN/CSA-C22.2 No. 60950-1; FDA 21 CFR Subchapter J; AS/NZS 60950-1; GB 4943.1
Connectivity Features	VXLAN (Virtual eXtensible LAN); Virtual Private LAN Service (VPLS); NEMO (Network Mobility); Packet storm protection; Loopback; Flexible port selection
Layer 3 routing	Static IPv4 routing; Routing Information Protocol (RIP); Open shortest path first (OSPF); Border Gateway Protocol 4 (BGP-4); Static IPv6 routing; Dual IP stack; Routing Information Protocol next generation (RIPng); OSPFv3; IPv6 tunneling; Multiprotocol Label Switching (MPLS); Policy routing
Performance Features	Layer 3 services; Quality of Service (QoS); Security; Convergence; Integration; Resiliency and high availability; Ease of Management
Manageability	Fully managed with CLI
Warranty	OEM 03 year Comprehensive 24x7 Hardware OEM Warranty at site
OEM Authorization	Manufacturer Authorization Letter is mandatory
<p>The bidder should have a registered & support office in Peshawar.</p> <p>The bidder must be atleast Tier-1/ OEM Authorized partner of the quoted brand</p> <p>Vendor should not be black-listed at any government sector in Pakistan</p> <p>OEM Authorization Letter in the name of the purchaser is mandatory for the bidder to participate in the tender, for authorization by OEM.</p> <p>On-site support from vendor is required.</p> <p>The brand quoted should have an operational spares depot in Pakistan.</p>	

LOT 8

Software Licenses

Item Description

Windows Server STD License (16-core) per server

Windows Server STD License (4-core) per server

Windows 10 Professional 64-bit

VMware vSphere Essentials Plus Kit (with 03 year Support & Subscription)

This kit includes 6 CPU licenses of vSphere Essentials Plus (for 3 servers with up to 2 processors each) and 1 license for vCenter Server Essentials.

The vSphere Essentials Plus Kit consists of the following:

vSphere Hypervisor (ESXi)

vCenter Server Essentials

vSphere Data Protection

vSphere High Availability (HA)

vSphere vMotion

Cross Switch vMotion

vSphere vShield Endpoint

vSphere Replication

The bidder must be atleast Tier-1/OEM Authorized partner of the quoted brand
OEM Authorization Letter in the name of the purchaser is mandatory for the bidder to participate in the tender, for authorization by OEM.

The bidder should have a registered & support office in Peshawar.

On-site support from vendor is required.

Perpetual License for Microsoft Products

Testing and calibration is not required for this LOT only.

LOT-10	
Smart Modular Data Center Solution	
Item	Description
Features	<p>The Smart Modular Data center shall consist of two racks. The total load will be approximately 10,000 Watts per 42U Rack.</p> <p>The racks shall contain the air on front and back side and shall include:</p> <ul style="list-style-type: none"> • Redundant Rack Mount UPS; able to provide minimum backup time of 22mins or above on 70% load. • Redundant Cooling Units inside containment • 2 x 42U IT Racks, Access Control, Vertical Cable Managers, blanking panels. • Rack mount zero U PDUs • Rack temperature, humidity, leakage and smoke monitoring sensors • Smart Data Center Monitoring Software <p>Minimum 60U space for IT Infrastructure (Mandatory).</p>
Uninterruptable Power Supply	<ul style="list-style-type: none"> • The system is rated to be capable of supporting 10000VA or 10000W whichever limit is reached first • The UPS utilizes double conversion online topology designed to protect electronic equipment by supplying reliable, network-grade power featuring extremely tight voltage and frequency regulation. The UPS also features internal bypass and input power factor correction. • UPS shall be designed as per following standards:

Designed to EN62040-2, IEC 61000-2-2, 3-2, 4-2, 4-3, 4-4, 4-6, 4-8, 4-11, EN 61000-4-5: 2005, IEC 60068-2-27, 2-32, 2-64, IEC62040-3, ISO 9001, ISO 14001. Vendors are required to submit test certificate and conformance certificates.

- The UPS shall have surge protection of at least 600 Joule
- The UPS PCBs shall be protected by conformal coating.
- The UPS efficiency shall be 94% Max., without degradation of output regulation as specified.
- The UPS efficiency shall be 97% Max. in green mode (ECO mode) under standard condition.

• **Input:**

1. AC input nominal voltage: 220/230/240VAC, single phase, 3 wire (L + N + G), connected via terminal.

a. AC input voltage window: a. 176 – 300VAC (±5%) (L-N) at full load, while providing nominal charging power to the battery system, Ambient @ 40°C

b. 110–176VAC (±5%) (L-N) at 60% load, while providing nominal charging power to the battery system, Ambient @ 40°C

2. Input frequency range: OP frequency+/- 4Hz(default), 40-70Hz(In generator mode);

3. Input Power Factor: ≥ 0.99 typical.

4. Input Current Distortion: Meets the requirements of IEC61000-3-2 /3-3

5. Crest factor: 3:1.

• **Output**

1. AC Output Nominal Output: 230VAC Single Phase, 3 wire (Phase + N + G);

2. Output connectors: terminal

3. Output frequency: 50/60Hz +/- 4Hz tracking (Auto detection);

4. AC output voltage distortion: < 1% @ 100% linear load; < 4% @ 100% non-linear Load, < 15% during last 60 seconds of back up time with full load only.

5. AC output static voltage regulation: +/-1%;

6. AC output dynamic voltage regulation: +/- 6% during 20% to 100% R load take on and 100% to 20% R load take off in On-line mode. +/- 9% during 20% to 100% R load take on and 100% to 20% R load take off in On-battery mode. Recovery time < 200 ms.

• **Overload Rating:**

a. Online: <100% - infinite; 101-110% - 10 minute; 111% -130% 1 minute; > 130% 1 second;

b. On battery: <100% - infinite; 101-110% - 30 seconds; 111% -130% 10 seconds; > 130% 1 second;

c. Bypass/ECO Mode: <130% - infinite; 130% - 200% - 1 minute; >200% shuts down immediately;

d. Overload is protected by the input circuit breaker: 63A

• **Battery**

The batteries shall be designed to provide standard backup.

Battery Packs shall be OEMs original battery pack.

A. The battery used shall be of the Valve Regulated Lead Acid (VRLA) type.

B. The UPS shall incorporate an Intelligent Battery Management system to continuously monitor the health of battery. This system shall notify the user in the event that a failed or weak battery is found.

C. Charging:

a. Charging current can be set by LCD.

b. The battery charging circuit remains active when in bypass and online states.

D. The UPS is shipped with battery pre-installed but disconnected. Battery connect feature is provided on the back panel.

Cooling Units	<ul style="list-style-type: none"> • The Unit shall be able to support complete IT load. • The system shall be completely factory-tested prior to shipment. Testing shall include, but not be limited to: complete pressure and leak testing to ensure system integrity, "Hi-Pot" test, and controls calibration and settings. • System shall ship with a completed test report to verify completion of factory testing
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	<p>procedure.</p> <ul style="list-style-type: none"> • The system shall be NTRL listed, MCA, and electrical system shall be UL Listed to UL 1995 and CSA 22.2 No. 236. • The unit shall be configured for draw-through air pattern to provide uniform air flow over the entire face of the coil. • Unit shall include six mixed flow direct drive DC axial fans. • The unit shall have a total unit airflow of at least 2200 CFM. • Fans shall be variable speed capable of modulating from 30-100%. Fans shall soft start to minimize in-rush current. • Fan assembly shall consist of a plastic injection molded bezel with integral fan discharge finger guard. Inlet of the fan should include a cage type finger guard • The unit should be capable of operation in the event of a fan failure. Fans shall be replaceable while the unit is in operation • The master display shall allow monitoring and configuration of the air conditioning unit through a menu-based control. Functions include status reporting, set-up, and temperature set points. Three LEDs report the operational status of the connected air conditioning unit. • The microprocessor controller shall come equipped with control keys to allow the user to navigate between menus, select items, and input alpha numeric information. • The microprocessor controller shall activate a visible and audible alarm in the occurrence of faults • The unit shall include a network management card to provide management through a computer network through TCP/IP. Management through the network should include the ability to change set points as well as view and clear alarms. • The cooling coil shall use corrugated aluminum fin and copper tube coils. The coil header is equipped with a drip plate in the bottom to capture and direct the condensation accumulating on the suction header tube to the drain pan. • The unit shall be equipped with a scroll compressor. The high EER and few moving parts of scroll compressors shall provide efficient and reliable operation. • The unit shall have factory installed and wired condensate pumps shall pump of capacity 9 g/hr or higher at 16 ft of head. Each pump shall have dual internal floats. • The standard filters shall be 20% efficient per ASHRAE 52.1, MERV 1 per ASHRAE 52.2, 1/2 in. washable mesh filter. • One remote rack inlet temperature sensor shall be shipped with the unit to provide control input based on rack inlet temperature. • Systems shall be equipped with a recommended outdoor flooded receiver package suitable for ambient temperatures.
Rear Air Containment	<ul style="list-style-type: none"> • The Containment System shall be a modular rear plenum for use in isolating the return air between a rack enclosure and an InRow cooling unit. • The containment system is designed to create a separate environment for air distribution in order to prevent mixing of hot and cold air streams, resulting in a more predictable cooling pattern. • The containment shall have modular design and enables medium to high density racks to be cooled in an autonomous environment without overcooling the room. • Rear containment configurations shall not only capture the hot exhaust air, but also supply air from the In Row cooling unit, directing it to the IT equipment inlets in the adjacent rack(s). • Higher temperature differentials, between the entering air and the cooling coil shall increase the amount of heat transfer and therefore capacity of the cooling unit. • Removal of heat shall ensure that the supply temperature has little to no mixing and can be relatively constant and within the ASHRAE recommended guidelines for air delivery. • Elevated entering and discharge temperatures shall ensure that the leaving air temperature from the cooling coil will be above dew point. This shall saves energy on make-up humidification. • Containing the rear of the rack shall muffle the noise created by server and cooling unit

	<p>fans.</p>
IT Racks	<ul style="list-style-type: none"> • The total rack count is 2 racks of approximately 5kW in redundant mode. • Equipment cabinets to store computer, data storage and networking equipment in the data centers • The enclosure shall be designed to provide a secure, managed environment for computer and networking equipment. • The enclosure shall conform to EIA 310 and accommodate industry standard 19 inch (483 mm) rack mount equipment. • Cabinets shall be designed to accommodate power and cable management accessories that keep network and power cables separate and organized. • The accessories shall include Vertical cable managers and blanking panels • Front and Rear doors shall have RFID access control installed at them. <p>Rack Height: 42U Static Load Capacity: $\geq 1,700$ KG Dynamic Load Capacity: $\geq 1,000$ KG Protection Category: IP20 Material and Coating: Steel framework Powder coating for rack surface Standard Compliance: (19") rack mount equipment EIA-310-D Environmental Compliance: RoHS, EIA-310E, UL 2416, UL 60950-1 Color: Black</p> <ul style="list-style-type: none"> • The vertical mounting rails shall be easily adjustable to allow different mounting depths • Each vertical mounting rail shall be marked on both sides with lines showing the top and bottom of each U and the number U space next to the middle hole. Each U consists of three square holes and is 1.75 inches high • The unit shall include M6 caged nuts, bolts and cup washers, and caged nut tool for the mounting of equipment inside the unit • Both the front and rear doors shall be designed with lift-off hinges allowing for quick and easy detachment without the use of tools. • The front and rear doors shall open a minimum of 120 degrees to allow easy access to the interior • The front door of the unit shall be reversible so that it can be mounted on either side • Split rear doors are provided for increased service clearance • The front door of the unit shall be capable of being installed on the rear of the unit and the rear doors shall be capable of being installed on the front of the unit. • The unit shall include half-height side panels that are removed without tools using easy finger latches for fast access to cabling and equipment. • The side panels on the unit shall double as privacy panels when the units are bayed together • Side panels shall be flush with the frame so the overall width of the unit does not change with the side panels installed. • Baying brackets must provide two sets of mounting holes for standard cabinet spacing of 600mm. • All cabinet components such as doors, side panels, roofs, etc. shall be bonded directly to the frame. • Grounding points shall be provided on the cabinet's frame to externally bond each unit to the building ground. • The manufacturer shall offer 10 toolless blanking panel kit to prevent the recirculation of hot exhaust air from empty spaces

- The unit shall include a front door lock, rear door lock and four (4) side panel locks.
- The unit shall have four (4) adjustable leveling feet to help provide a stable base in the event of an uneven floor surface and to prevent rolling.
- The unit shall ship with provisions for stabilization in the field using the pallet mounting brackets
- The Front & Rear door RFID access control shall:
 - Grant equipment access for specific times for each proximity card configured.
 - Grant authorized people access to equipment through proximity card authentication.
 - Pinpoint the timing and sequence of events leading up to an incident with the event log.
 - Provide a simple telnet session or SSH for remote battery management access.
 - Override electronic access with a hard key for power outages and maintenance.
 - View the user interface with a browser. Gives quick access from anywhere on the network without the need to install software.
 - User-selectable password with strong password rules and reset password mechanism
 - Share access without risking unauthorized configuration changes.
- **Mention the size of the Rack + Cooling Unit + Containment**

For purposes of distributing power within an IT enclosure, rack mount power distribution units shall be available for installation within the IT enclosure. The rack mount power distribution units shall be capable of being installed in the back of the accompanying enclosure to consume zeroU- space in the rear of the rack, and shall not require tools for installation within the rack.

- | | |
|----------------------|--|
| - Type: | Metered |
| - Rating: | 32A |
| - Input Voltage: | 200 - 240 VAC 1 Phase |
| - Input Frequency: | 50Hz |
| - Input Connection: | IEC309 32A |
| - Output Connections | (20)C13 & (4)C19 |
| - Circuit Breaker | 2 x 16A 1-pole hydraulic magnetic circuit breakers |
| - Power Cord | 3 meters |
| - Compliance | CE EN55035, EN55032, EN55024, CE, TUV, EN/IEC62368-1, RoHS & Reach |

Key Features:

- Ultra low-profile in depth
- Hydraulic-magnetic circuit breakers (in units with 32A input current)
- Environmental monitoring port for external temperature/humidity monitoring
- Full-featured network management capability via web, SNMP
- User-interactive LCD display for local access
- Field-replaceable network management module
- Active current measurements (amps)
- Active power measurements (including volts, amps, real power (kW) and energy (kWh))
- User-customizable alarms and warnings
- Embedded log memory to record/review/report
- Use access control with two levels
- Field-replaceable network management module

Metered PDUs

Environment Monitoring System	<ul style="list-style-type: none"> • The environmental monitoring solution shall protect computing equipment from physical threats such as high temperature, humidity, smoke, both malicious and unintentional access events. • The EMS system shall include Zigbee wireless network coordinator and wireless temperature sensors that are able to connect wirelessly to the central appliance • The wireless sensors shall help reduce cable clutter and expense of cabling • There shall be an auto-join mode, in which the wireless sensors will be automatically commissioned. • The wireless sensor shall be with magnetic mounting, so it can be moved periodically to evaluate hot spots or new areas in dynamic IT environments. • The EMS system shall Integrate with racks and Data Center monitoring software for easy deployment, configuration, and management. • The system shall prevent equipment failure from a full range of threatening environmental conditions. • The system shall provide Real-time event notification that minimizes response times to critical physical infrastructure situations. Enables IT Administrators to reduce mean time to repair, improve efficiency, and maximize uptime. • Can be mounted in a rack alongside other IT gear, or zero –U mounted in the back • Shall be able to customize threshold definitions (multiple thresholds per sensor, scheduling, severity levels) to requirements. • Shall be able to View the user interface with a browser. Provides quick access from anywhere on a secure network. • User-selectable password with strong password rules and reset password mechanism. • The central device shall include a switched outlet, sensor ports, Voltage and relay output, SNMP port and RS485 for monitoring • The unit shall have console port and USB port for configuration
Data Center Monitoring Software	<p>The web application shall provide a Dashboard, with a default Overview page, to display alarm status, critical alarm history, and sensor graphs; an Alarms page to provide notification options; an Assessments page to provide insights into device health scores and device security vulnerabilities, with recommendations on how to optimize the IT physical infrastructures; a Management page to provide device configuration and firmware update options; and an Administration page to allow the Administrator user to manage the organization.</p> <p>1. MONITORING</p> <ul style="list-style-type: none"> • Shall provide the user with a centralized view of networked devices. • The default Overview dashboard shall allow the user to view the status of all connected IT sites on a map to identify the sites with critical alarms and zoom to one site to see which alarms are occurring. The alarm history shall allow the user to view the number of all critical and warning alarms. • The user shall be allowed to create custom dashboards by selecting widgets to show maps, alarms, sensors, and graphs. • The user shall be allowed to edit, rename, or delete any custom dashboard. • The device hierarchy shall allow the user to define groups based on the device location

using six location types in a logical hierarchy: Group, Site, Building, Room, Row, and Rack.

- The device hierarchy shall allow the user to edit, rename, or delete the device location.

2. ALARMS

- The Alarms page shall allow the user to access active and cleared alarms and display warning or critical status.
- The user shall be allowed to mute a specific alarm or all alarms for a device for an hour or up to a week and to select the reason for muting the alarms.
- The IT Expert Administrator user shall be allowed to set up an email address to send critical or warning alarms or both to an individual, a partner, or a ticketing system.
- The Administrator user shall be allowed to choose which alarms to send, and the email format, either with graphics (Original) or as plain text (Simple).

3. REPORTS

- The Inventory page shall allow the user to export CSV reports with device information including device service contract coverage, device model, device IP address, and device location name.
- The Assessments page shall allow the user to export UPS Score CSV reports with device information including UPS model, UPS production year, UPS battery production year, and UPS load.
- The Assessments page shall allow the user to export Active Lifespan Alarms CSV reports with device information including alarm messages, alarms type, and device model.
- The Assessments page shall allow the user to export Alarm CSV reports from the Assessment tab with device information including alarm messages, alarm severity, and device model.
- The Assessments page shall allow the user to export Device Security Vulnerability CSV reports from the Assessment tab with device information including device model, device application version, and device vulnerability.

4. ASSESSMENTS

- The Assessments page shall provide a UPS score from 1-100 to identify whether a UPS health status is at a low, medium, or high risk for failure based on age, battery temperature, UPS age, and critical alarms generated by the UPS. The assessment shall provide a history of significant changes to help users make educated choices.
- The assessment shall provide data-driven recommendations to help users take action to improve the UPS score.
- The Assessments page shall provide a trend analyze on the daily average load of UPS to help predict future load and understand UPS capacity usage.
- The Assessments page shall provide active and recently solved alarms indicating devices susceptible to failure or near end of life.
- The Assessments page shall provide current detected device security vulnerabilities for the discovered devices.
- The Device Security Vulnerability Assessment shall report devices with vulnerable configurations, devices with out of date firmware, and devices with old hardware unable to address security issues.
- The user shall be provided with recommendations on how to address the identified devices security vulnerabilities.
- The user shall be allowed to access a report of all devices that do not meet security standards.

5. BENCHMARK

- The Inventory page shall allow the user to benchmark devices against similar devices monitored. Benchmarking is enabled by machine data that are anonymized, stored, and analyzed in the EcoStruxure Data Lake.

	<ul style="list-style-type: none"> • Benchmarking shall allow the user to compare device battery temperature, device battery age, device age, and UPS total load with all comparable devices, devices of the same organization country code, devices of the same device production year, or devices of the same model family. <p>6. DEVICE CONFIGURATION</p> <ul style="list-style-type: none"> • The Management page shall allow the user to select a SNMP device to use as the source to remotely deploy settings on a large number of identical SNMP devices. <p>7. FIRMWARE UPDATE</p> <ul style="list-style-type: none"> • The Management page shall allow the user to apply firmware updates to devices. The user shall be allowed to view available firmware updates, with a brief outline of the features and fixes available in the update; view all devices that need a firmware update; select all or individual devices to update; and view previously run firmware updates. <p>8. Mobile APP</p> <ul style="list-style-type: none"> • Shall provide the user with a mobile app option. The mobile app shall be available on Android and iOS. • The app shall allow the user to receive push notifications for critical alarms. The app shall allow the user to view sensor values and alarms from the connected devices. • The app shall allow user to view a Device Groups option with a hierarchical list of device groups and locations, device status, and device and sensor data; and an Active Alarms option to view a chronological list of alarms and alarm details. • The app shall allow the user to view and select devices monitored by software in the All Devices group, or in a specific location, and access options to view device details, active alarms reported by the device, and a list of device sensors.
Electrical Panel & Power Distribution Boxes	<ul style="list-style-type: none"> • Electrical panel should be installed at suitable place to feed power for UPS, Cooling, lightning. The panel should be indoor type with an IP rating of 42, fabricated out of 16 SWG sheet and powered coating. The circuit breaker will be triple pole/single pole of reputed brand i.e Schneider/ABB/Vertiv. • All meters should be digital display type. Ammeters & voltmeter selector switch should be complete with front plate. Indication lamp should be suitable for flush mounting complete with base, 230V incandescent lamps will have resettles of suitable color.
Fire Suppression System	<ul style="list-style-type: none"> • Supply and installation of (Hygood/Kidde or equivalent) (NFPA 72/75/2001) Novec-1230, FM-200, ECARO-25 or equivalent based independent cross zone Automated Fire suppression for Data Center. • The fire suppression systems shall include the following: <ol style="list-style-type: none"> 1) Gas container 2) System Control Package 3) Remote Manual Control 4) Alarm Bells 5) Detection and Actuation Equipment 6) Operation Alarms and Indicators 7) Distribution System Piping 8) Valves, Gauges etc. 9) Discharge Nozzles 10) Including VESDA (Very Early Smoke Detection Assembly)

Civil & Miscellaneous Works	<ul style="list-style-type: none"> • Removal of debris from site and dumped outside as per the client requirement. • ICI or equivalent fire retardant paint work on the walls and partitions free from contamination and asbestos (complete in all respects.) • Supply and fixing of 12mm tempered glass partition of Data Center area (21ftx16ft) with Door, mortise lock set. • Antistatic Vinyl flooring with complete installation for DC (if required). • Supply and fixing of Fire Resistant DAMPA/Gypsum 2' x 2' False Ceiling • Supply & install new lighting point's c/w light switches and using 2 x 1C/1.5mm sq PVC cable in PVC pipe for DC • Supply, installation and fixing of data center special lights LED (min 500 LUX) antiglare size 2' x 2'. • Supply & installation of Emergency Light c/w battery pack and accessories. • Installation of In Row Cooling Indoor/Outdoor Units covered with Liquid and Hot gas hard copper piping in powder coated trays c/w, nitrogen, refrigerant charging, water tank etc. all accessories and fittings. • Construction of foundation pillar for condenser unit as per manufacturer recommendation. • Supply & Installation of grounding system for Data center. • Relocating and installing existing 2 ton wall mount split AC unit as backup cooling unit.
Installation & Commissioning	The vendor is responsible for complete Installation & Commissioning of the Smart Rack Solution, including civil work and power cabling from main circuit board till server room. Also include 10G fiber optic laying & splicing work to connect with current network.
Warranty	3 years 24x7 4Hour response comprehensive warranty at site
Mandatory Requirements	<ul style="list-style-type: none"> - Manufacturer Authorization Letter is mandatory. - The manufacturer should provide evidence of at least three successful deployment of the quoted components in Pakistan. - The bidder should provide confirmation letter from Manufacturer taking responsibility of solution designing, delivery, implementation as well as knowledge transfer through it's partner/vendor. - The bidder should provide evidence that manufacturer is involved in the manufacturing of UPS, Cooling, Racks and Data Center products for at least 10 years. - During technical evaluation, bidder has to conduct presentation of the complete offered solution. - Bidder must provide Life cycle of the quoted product and future road map. - Manufacturer must have deployed Data Centers in Pakistan in Health Sector, Public Sector, Telco Sector and Defense Sector. - Bidder must have minimum one certified CDCP resource. - Manufacturer must have sales, pre-sales and post-sales presence in Pakistan. - The project will be considered as a whole including hardware, Software, Services, warranty and on-job Training. - Manufacturer must have local presence and offices in major cities of Pakistan (KHI, LHE, ISB). Proof of office addresses to be provided. - Bidder should propose their latest Smart Rack models and solutions in response to this RFP.

The bidder should have a registered & support office in Peshawar/Islamabad.

The bidder must be atleast Tier-1/OEM Authorized partner of the quoted brand

Vendor should not be black-listed at any government sector in Pakistan.

The vendor should have 03 Technical Certified resources in Peshawar/Islamabad.

OEM Authorization Letter in the name of the purchaser is mandatory for the bidder to participate in the tender, for authorization by OEM.

On-site support from vendor is required.

The brand quoted should have an operational spares depot in Pakistan.

Since it is a turnkey basis LOT, the bidder should quote all the products required in this LOT.

1 months free of cost Certified RE/Dedicated resource after installation & commissioning for handling teething issues.

The bidder should provide confirmation letter from Manufacturer taking responsibility of solution designing, delivery, implementation as well as knowledge transfer through it's partner/vendor.

Datacenter layout to be provided with the Bid, including dimensions. Size (WxLxH), Front, Back and side distances, entrance, access control etc. .

Operational Training should be provided at the time of installation and commissioning

LOT-11	
Enterprise-Grade Next Generation Firewall (NGFW)	
Item	Description
Hardware Specifications	
Processor	Multi-core Processing Technology - Intel
Form Factor	1U rack mount (2 rackmount ears included)
Memory	12 GB or higher
Storage	180 GB SSD or higher
Ethernet Ports	8 x 1GbE Copper Ports, 2 GE SFP Port (with Support for SFP & 10GbE SFP+), Minimum No. of Flexi Port slots: 1, with 1G SFP Transceiver
I/O Ports	2 x USB 3.0 (front), 1 x USB 2.0 (rear), 1 x COM (RJ45) (front)
Power Supply	Internal Auto-Ranging 110-240VAC, 50-60Hz
Product Certifications	CB, CE, FCC Class A, IC, VCCI, RCM, UL, CCC
Security Performance	
Firewall Throughput	30 Gbps or higher
IPS throughput	8 Gbps or higher
VPN throughput	3.0 Gbps or higher
Antivirus throughput (proxy)	5 Gbps or higher
Concurrent connections	12 million or higher
New connections/sec	190K or higher
Maximum licensed users	unrestricted
Base Firewall Features	
General Management	
Interface	Purpose-built streamlined user interface
Navigation	3-clicks-to-anywhere navigation
Menu	Self-documenting menu system
Trouble Shooting	Advanced trouble-shooting tools in GUI (e.g. Packet Capture)
CLI	Full command-line-interface (CLI) accessible from GUI

Administration	<ul style="list-style-type: none"> Role-based administration Automated firmware update notification with easy automated update process and roll-back features Reusable system object definitions for networks, services, hosts, time periods, users and groups, clients and servers Self-service user portal Configuration change tracking Flexible device access control for services by zones Email or SNMP trap notification options SNMP and Netflow support Central management support from Firewall Manager or Cloud Firewall Manager
Backup and restore configurations	locally, via FTP or email; on-demand, daily, weekly or monthly
API for 3rd party integration	Yes i.e. AD, SMS Gateways
Remote access	Remote access option for Support
Firewall, Networking & Routing	
Main Features	<ul style="list-style-type: none"> Stateful deep packet inspection firewall FastPath Packet Optimization User, group, time, or network based policies Access time policies per user/group Enforce policy across zones, networks, or by service type Zone isolation and zone-based policy support Default zones for LAN, WAN, DMZ, LOCAL, VPN and WiFi Custom zones on LAN or DMZ Customizable NAT policies with IP masquerading Flood protection: DoS, DDoS and portscan blocking
Country blocking	Country blocking by geo-IP
Routing	Routing: static, multicast (PIM-SM) and dynamic (BGP, OSPF)
Upstream proxy	Upstream proxy support
Protocol independent	Protocol independent multicast routing with IGMP snooping
Bridging	Bridging with STP support and ARP broadcast forwarding
WAN link	WAN link balancing: multiple Internet connections, auto-link health check, automatic failover, automatic and weighted balancing and granular multipath rule
Wireless WAN	Wireless WAN support
Link Aggregation	802.3ad interface link aggregation
Configuration	Full configuration of DNS, DHCP and NTP
Dynamic DNS	Yes
Multicast Routing	Protocol independent multicast routing with IGMP snooping
Bridging	<ul style="list-style-type: none"> Bridging with STP support and ARP broadcast forwarding Multiple bridge support
IPv6 support	IPv6 support with tunneling support including 6in4, 6to4, 4in6, and IPv6 rapid deployment (6rd) through IPSec
VLAN DHCP	VLAN DHCP support and tagging
Traffic Shaping & Quotas	

Traffic Management	Enhanced traffic shaping (QoS) options by web category or application to limit or guarantee upload/download or total traffic priority and bitrate individually or shared Logging and Reporting, Set user-based traffic quotas on upload/download or total traffic and cyclical or non-cyclical Real-time VoIP optimization
Wireless Protection & Control	
Plug & Play	Simple plug-and-play deployment of wireless access points (APs) - automatically appear on the firewall control center
Central monitor	Central monitor and manage all APs and wireless clients through the built-in wireless controller
Bridge APs	Bridge APs to LAN, VLAN, or a separate zone with client isolation options
Multiple SSID	Multiple SSID support per radio including hidden SSIDs
Security Support	Support for the latest security and encryption including WPA2 Personal and Enterprise, IEEE 802.1X (RADIUS authentication), 802.11r (fast transition)
Hotspot support	Hotspot support for (custom) vouchers, password of the day, or T&C acceptance
Wireless guest	Wireless guest Internet access with walled garden options
Time-based	Time-based wireless network access
Wireless repeating	Wireless repeating and bridging meshed network mode with supported Aps
Automatic channel	Automatic channel selection background optimization
HTTPS	Support for HTTPS login
Authentication	
Main Features	Transparent, proxy authentication (NTLM/ Kerberos) or client authentication Authentication via: Active Directory, eDirectory, RADIUS, LDAP and TACACS+ Server authentication agents for Active Directory Client authentication agents for Windows, Mac OS X, Linux 32/64 Authentication certificates for iOS and Android Single sign-on: Active directory, eDirectory Authentication services for IPSec, L2TP, PPTP, SSL Captive Portal User self-registration
User Self-Service Portal	Download the Authentication Client, SSL remote access client (Windows) and configuration files (other OS) Hotspot access information View personal internet usage Access quarantined messages (requires Email Protection)
Base VPN Options	
Site-to-Site VPN	SSL, IPSec, 256- bit AES/3DES, PFS, RSA, X.509 certificates, pre-shared key L2TP and PPTP
Remote access	SSL, IPsec, iPhone/iPad/ Cisco/Android VPN client support
SSL client	SSL client for Windows & configuration download via user portal
IPSec Client	
Authentication	Authentication: Pre-Shared Key (PSK), PKI (X.509), Smartcards, Token and XAUTH

Encryption	Encryption: AES (128/192/256), DES, 3DES (112/168), Blowfish, RSA (up to 2048 Bit), DH groups 1/2/5/14, MD5 and SHA-256/384/512
Tunneling	Intelligent split-tunneling for optimum traffic routing NAT-traversal support
Client-monitor	Client-monitor for graphical overview of connection status
Remote VPN	IPSec VPN must be free of cost
Network Protection Features	
Intrusion Prevention Systems (IPS)	
IPS	High-performance, next-gen IPS deep packet inspection engine with selective IPS patterns for maximum performance and protection
ATP and Security Heartbeat	
Advanced Threat Protection	Advanced Threat Protection (Detect and block network traffic attempting to contact command and control servers using multi-layered DNS, AFC, and firewall)
Security Heartbeat	<ul style="list-style-type: none"> Security Heartbeat instantly identifies compromised endpoints including the host, user, process, incident count, and time of compromise Security Heartbeat policies can limit access to network resources or completely isolate compromised systems until they are cleaned up
Remote Ethernet Device (RED) VPN	
Central Management	Central Management of all Remote Ethernet devices
No configuration	No configuration: Automatically connects through a cloud-based provisioning service
Secure & encrypted	Secure encrypted tunnel using digital X.509 certificates and AES256- encryption
Virtual Ethernet	Virtual Ethernet for reliable transfer of all traffic between locations
IP address	IP address management with centrally defined DHCP and DNS Server configuration Remotely de-authorize Remote Ethernet devices after a select period of inactivity
Compression	Compression of tunnel traffic
VLAN port	VLAN port configuration options with Remote Ethernet devices
Clientless VPN	
Clientless VPN	encrypted HTML5 self-service portal with support for RDP, HTTP, HTTPS, SSH, Telnet and VNC
Web Protection Features	
Web Protection and Control	
Transparency	Fully transparent proxy for anti-malware and web-filtering
Enhanced Advanced	Enhanced Advanced Threat Protection
URL Filter	URL Filter database with millions of sites across 92 categories
Surfing quota / Access time	Surfing quota time policies per user/group Access time policies per user/group
Malware scanning	block all forms of viruses, web malware, trojans and spyware on HTTP/S, FTP and web-based email
Advanced web	Advanced web malware protection with JavaScript emulation
Live Protection	Real-time in-the-cloud lookups for the latest threat intelligence

Scanning Features	Second independent malware detection engine for dual-scanning Real-time or batch mode scanning Pharming Protection HTTP and HTTPS scanning on a per user or network policy basis with customizable rules and exceptions
SSL protocol	SSL protocol tunneling detection and enforcement Certificate validation
High performance	High performance web content caching
Forced caching	Forced caching for Endpoint updates
Filtering	File type filtering by mime-type, extension and active content types (e.g. Activex, applets, cookies) Block Potentially Unwanted Applications
Safe Search Enforcement	YouTube for Schools enforcement, SafeSearch enforcement (DNS-based) for major search engines per policy (user/group) Web keyword monitoring and enforcement to log, report or block web content matching keyword lists with the option to upload customs lists
Application Protection and Control	
Enhanced application	Enhanced application control with signatures and Layer 7 patterns for thousands of applications
Application control	Application control based on category, characteristics (e.g. bandwidth and productivity consuming), technology (e.g. P2P) and risk level
Per-user	Per-user or network rule application control policy enforcement
Web & App Traffic Shaping	
Custom traffic	Custom traffic shaping (QoS) options by web category or application to limit or guarantee upload/download or total traffic priority and bitrate individually or shared
Email Protection	
Email Protection and Control	
E-mail scanning	E-mail scanning with SMTP, POP3, and IMAP support
Reputation	Reputation service with spam outbreak
Monitoring	monitoring based on patented Recurrent-Pattern-Detection technology Block spam and malware during the SMTP
Dual-scanning	Second independent malware detection engine for dual-scanning
Protection	Live Protection real-time, in-the-cloud lookups for the latest threat intelligence
Updated	Automatic signature and pattern updates
Smart host	Smart host support for outbound relays
File-Type	File-Type detection/blocking/scanning of attachments
Messages	Accept, reject or drop over-sized messages
Detects phishing URL	Detects phishing URLs within e-mails Spam greylisting
Rules	Use pre-defined content scanning rules or create your own custom rules based on a variety of criteria
TLS Encryption	TLS Encryption support for SMTP, POP, and IMAP
Append signature	Append signature automatically to all outbound messages
Email archiver	Email archiver
Email Quarantine Management	

Quarantine & Notifications	Spam quarantine digest and notifications options
Search / Filter options	Malware and spam quarantines with search and filter options by date, sender, recipient, subject, and reason with option to release and delete messages
viewing and releasing	Self-serve user portal for viewing and releasing quarantined messages
Email Encryption and DLP	
Email Encryption and DLP	Patent-pending SPX encryption for one-way message encryption Recipient self-registration SPX password management Add attachments to SPX secure replies Completely transparent, no additional software or client required DLP engine with automatic scanning of emails and attachments for sensitive data Pre-packaged sensitive data type content control lists (CCLs) for PII, PCI, HIPAA
Web Server Protection	
Web Application Firewall Protection	
Reverse proxy	Reverse proxy
URL hardening engine/Prevention	URL hardening engine with deep-linking and directory traversal prevention
Antivirus	Dual-antivirus engines
Cookie/ Signatures	Cookie signing with digital signatures
Reports	Export reports as HTML, PDF, Excel (XLS), Report bookmarks, Log retention customization by category
Log Viewer	Full featured log viewer with column view and detailed view with powerful filter and search options, hyperlinked rule ID, and data view customization Warranty and Support
Protection	Form hardening engine, SQL injection protection, SQL injection protection, Cross-site scripting protection
OWASP Top 10 Attacks	Support Blocking OWASP Top 10 Attacks such as SQL Injection, XSS Attack, CSRF, OS Command Injection and etc.
Offloading	HTTPS (SSL) encryption offloading
WAF/ user portal	WAF and user portal on same interface/IP
Logging and Reporting	
Dashboards	Dashboards (Traffic, Security, and User Threat Quotient), Control Center widget displays amount of data uploaded and downloaded to cloud applications categorized as new, sanctioned, unsanctioned or tolerated, Discover Shadow IT at a glance, Drill down to obtain details on users, traffic and data, One-click access to traffic shaping policies, Filter cloud application usage by category or volume
Logging & Reporting	On-Box logging and Reporting Applications Report (App Risk, Blocked Apps, Web Uses, Search Engines, Web Servers, FTP), Network & Threats Report (IPS, ATP, Wireless, Security Heartbeat), VPN Reports, Email usage and protection Reports, Compliance reports (HIPAA, GLBA, SOX, FISMA, PCI-DSS, NERC CIP v3, and CIPA), Report anonymization, Report scheduling to multiple recipients by report group with flexible frequency options Detailed customizable cloud application usage report for full historical reporting Application Protection and Control

Activity Monitoring	Activity Monitoring: system health, live users, IPsec connections, remote users, live connections, wireless clients, quarantine, and DoS attacks
Export reports	Export reports as HTML, PDF, Excel (XLS)
Security Subscriptions	
License Includes :	
Base Firewall	Base Firewall with VPN, Routing, WAN Link Load Balancing, Traffic Shaping & Quota, Wireless, Authentication, etc
Network Protection	Network Protection Subscriptions (IPS, RED/HTML5, ATP, Anti-malware),
Web Protection	Web Protection Subscriptions (URL, AppCtrl, Web/App Traffic Shaping),
Email Protection	Email Protection Subscriptions (Anti-Spam, AV, Encryption, DLP),
Web Server	Web Server Protection Subscriptions (WAF, Reverse Proxy)
Warranty and Support	
Installation & Commissioning	Complete on-site installation & commissioning of the Firewall along with Access Points, along with on-job training of 02 resources.
Warranty	03 year Hardware warranty & RMA with Advanced Exchange
Support	24x7 Enhanced Support via Telephone & Email with Remote Consultation FREE Security Updates & Patches FREE Software Features Updates & Upgrades
OEM Authorization	Manufacturer Authorization Letter is mandatory
Training	On Site training of minimum two Resources
Access Points (Indoor) compatible with Firewall Solution	
Item	Description
Management	Cloud based: Central On-premises: Firewall based
Deployment	Indoor; desktop, wall, or ceiling mount.
WLAN Standards	802.11 a/b/g/n/ac Wave 2
Radios	1x 2.4 GHz/5 GHz dual-band 1x 5 GHz single-band 1x Bluetooth low-energy (BLE)
Antennas	2x internal dual-band antenna for Radio-1 2x internal 5 GHz antenna for Radio-2 1x internal 2.4 GHz antenna for BLE (for future use)
Performance	2x2:2 MU-MIMO
Interfaces	1x RJ45 connector console serial port 1x RJ45 10/100/1000 Ethernet w/PoE
PoE	PoE enabled (PoE 802.3af)
Certifications & Compliance	CB, UL, CE, FCC, ISED (IC), RCM, MIC, NCC, Anatel (planned), EN 60601-1-2 (Medical Equipment Directive) Plenum-rated (UL2043)
Warranty	3 years 24x7 4Hour response comprehensive warranty at site.
OEM Authorization	Manufacturer Authorization Letter is mandatory.
Installation & Commissioning	Complete installation & commissioning at site.
Access Points (Indoor) compatible with Firewall Solution	
Item	Description

Management	Cloud based: Central On-premises: Firewall based
Deployment	Indoor; desktop, wall, or ceiling mount.
WLAN Standards	802.11 a/b/g/n/ac Wave 2
Radios	1x 2.4 GHz single band 1x 5 GHz single band 1x Bluetooth low energy (BLE)
Antennas	3x internal 2.4 GHz antenna for Radio-1 3x internal 5 GHz antenna for Radio-2 1x internal 2.4 GHz antenna for BLE (for future use)
Performance	3x3:3 MU-MIMO
Interfaces	1x RJ45 connector console serial port 1x RJ45 10/100/1000 Ethernet port 1x RJ45 10/100/1000 Ethernet w/PoE
PoE	PoE enabled (PoE+ 802.3at)
Certifications & Compliance	CB, UL, CE, FCC, ISSED (IC), RCM, Anatel (planned), EN 60601-1-2 (Medical Equipment Directive) Plenum-rated (UL2043)
Warranty	3 years 24x7 4Hour response comprehensive warranty at site.
OEM Authorization	Manufacturer Authorization Letter is mandatory.
Installation & Commissioning	Complete installation & commissioning at site.

The bidder should have a registered & support office in Peshawar/Islamabad.

The bidder must be at least Tier-1/OEM Authorized partner of the quoted brand

Vendor should not be black-listed at any government sector in Pakistan

OEM Authorization Letter in the name of the purchaser is mandatory for the bidder to participate in the tender, for authorization by OEM.

On-site support from vendor is required.

The brand quoted should have an operational spares depot in Pakistan.

On-Site Training should be provided at the time of installation along with free of cost support for initial period of 2 Months after installation

9. BLACKLISTMENT OF DEFAULTED BIDDER/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;

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

Conditions for debarment of Defaulted Bidder/Contractor

- 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 reputation of the Peshawar Institute of Cardiology Peshawar.

Procedure for black listment and debarment

1. Competent authority of Peshawar Institute of Cardiology 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.

10. 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.

- e. 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 PIC 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.

