

MIRPUR UNIVERSITY OF SCIENCE & TECHNOLOGY (MUST)

TENDER DOCUMENT

FOR

PURCHASE OF PRINTING MATERIAL AND EQUIPMENT REQUIRED FOR THE DEPLOYMENT OF IT INFRASTRUCTURE IN NEW CAMPUS

Tender Notice No. AT/P/2615/2022 Tender Fee Rs. 2000/-

Tender Submission Date 16-01-2023 (Monday) up to 01:00 PM

Tender Opening Date 16-01-2023 (Monday) up to 01:30 PM

Prepared and Issued By:

Secretary Central Purchase Committee Websites: <u>www.must.edu.pk</u>

Tel no. 05827-961046, Fax no. 05827-961039

Email: procurement@must.edu.pk

NOTICE INVITING TENDERS

"DEFINITIONS"

- 1. MUST: Mirpur University of Science & Technology.
- 2. SLA: Service Level Agreement. The level of service which MUST purchases from vendor in respect of the service
- 3. RFP: Request for Proposals.
- 4. BOQ: Bill of Quantities.
- 5. Warranty/Services of items/parts: On Site Warranty of hardware, support, repair, replacement, backups, preventive maintenance, onsite service monthly, quarterly, yearly basis and necessary requirement to bring the supplied equipment in working condition etc. Services of all software including its installation, configuration, updates, upgrades & principle online support etc of supplied /installed item.
- 6. Total Bid Value: Cost of Equipment (including optional equipment) Cost of Extended Warranty and Cost of services as per tender document including all AJK Govt. Taxes.
- 7. Total Contract Value: Cost of Equipment, Warranty and Services as per the supply order by MUST at the time of Contract / Agreement / supply order.
- 8. Prospective bidder: Bidder who intend to participate in the tender process
- 9. Bidder: Bidder who submit the proposal.
- 10. Selected Bidder: Lowest Evaluated cost/high ranked Bidder selected for the award of tender / contract.

1. INTRODUCTION:

Mirpur University of Science and Technology (MUST), Mirpur is chartered with Government of Azad Jammu and Kashmir through Ordinance XVIII of 2008 on 15th day of August 2008. The objective laid down in Ordinance is "To enhance facilities for higher education and research in the State of Azad Jammu & Kashmir". MUST is committed to the development of human resource by imparting quality education to masses as well as inculcating in them human values of the highest level to promote a peaceful and harmonious society for a global fraternity capable of facing the future challenges. MUST

aims at producing human resource capable of transforming the society into a technologically advanced nation.

- To nurture talent and create the environment conducive to higher learning.
- To produce hardworking, committed, dedicated and national professionals.
- To develop collaboration with other renowned local and foreign institutions/ research organizations.
- Mono of the University is Wisdom and Virtue.

2. Documents Required with bids:

- i. Income Tax and GST Registration certificates,
- ii. Active tax payer certifications from Income & General Sales Tax departments of Govt. of Pakistan / Govt. of AJ&K.
- iii. Attested Authorized certificate of Manufacturer/ relation with Manufacturer
- iv. Company Registration certificate if claim as company under Company Ordinance 1984.
- v. Details of Bona fide clients of last three years with contact numbers and addresses
- vi. Certificate of factory setup under working from last five years (for furniture only) detail of factory setup be provided.
- vii. Detail of skilled staff.

3. PRICE / RATE:

Please quote unit price for each item on F.O.R basis MUST MIRPUR with all taxes and other cost designing / placement / installation to bring the supplied equipment in working condition.

4. DELIVERY PERIOD:

Please mention the delivery with installation time after placing the Purchase Order for each item.

5. EXTENSION IN DELIVERY PERIOD:

MUST shall not provide extension in delivery period in any case, unless any emergency occurs. Suppliers are advised to provide delivery period considering time

required for custom clearance or any other factors. We may only provide extension on deduction of 2% of Purchase order as fine, on Applying well in time

6. WARRANTY:

Please indicate the warranty period, terms & conditions of the warranty for each item clearly. We only accept onsite warranty.

- ➤ Bidders are required to **fill and sign all pages of submitted proposal,** and submit it as Financial Proposal.
- Rates quoted in the Bid should be containing all the applicable taxes.
- University reserves the right to reject any or all tenders with recorded reasons.
- University also reserves the right not to accept the lowest rates quoted by the bidders, university will evaluate and award contract or place purchase order at items and quality basis as per criteria mentioned in tender documents.

7. Bid Evaluation Criteria:

All bids will be evaluated on following criteria;

- i. 30% financial weightage and 70% technical weightage will be given for evaluation where applicable.
- ii. In general technical qualifying criteria is 50% and then most advantageous cost will be considered where applicable.

8. Bid Acceptance:

- All Bidders who submit their tenders shall also submit a letter confirming they have read all terms & conditions of the Tender Document and that they accept them in total. This letter shall be provided on the firm's letter head along with their current complete address, the name of the signatory and his/ her designation in the organization.
- ➤ Bidders shall submit a signed letter with Official stamp affixed on it as per the format given in Form I as a cover letter to the Bid/Proposal. Bids/Proposals submitted without this cover letter shall not be accepted and bids shall be rejected straightaway.
- Separate Quotation for each department / head is mandatory.

9. Bids Rejection:

Bids shall be rejected.

- ➤ If any bid not accompanied by an acceptable Bid Security.
- ➤ If firm could not submit bid in prescribed manner.
- > If bids are conditional & quoted optional items.
- ➤ If firm isn't registered with Sales and Income Tax Department.
- > If bids are not conforming the terms, conditions and specifications stipulated in this Tender Document.

10. Bid Validity:

Bid shall remain valid for acceptance for a period of 120 days from the last date of submission of the bid / revised bid if required. The bidder shall not be entitled to modify, vary, and revoke his bid during said period; the validity of the bid shall be extended as and when required for the period as requested by the University in writing by mutual understanding.

11. Cost of Bidding:

The bidder shall bear all direct and indirect cost associated with the preparation or delivery/ submission of their bid, participating in discussion etc. including costs and expenses related with visits to the site and university offices. University will in no case be responsible or liable for reimbursement of those costs and expenses regardless of the outcome of the bidding process.

12. Quantity Variation

The quantity given in document may be increased or decreased up to 15% as per PPRA Rules.

13. Repeat Purchase Order:

Repeat Purchase Order may be issued up to 15% of the approved rates during the period of four month after the issuance of last purchase order.

14. TERMS OF PAYMENTS

No payment shall be made in advance to selected bidder/vendor as mobilization advance.

- > 90 percent cost of items shall be payable to the Contractor within one month upon successful installation and inspection of supplied items, 10% withheld amount will be released after one year or completion of warranty period.
- ➤ Taxes will be deducted at source as per government rules at the time of payment irrespective of the date of invoicing.
- All payments in Pak Rupees (through crossed cheque); 90% after delivery / installation and checking/inspection and satisfactory report of the relevant Technical Committee within four weeks after fulfillment of all codal formalities and 10% after expiry of warranty period/ One year after installation.

15. <u>Documents Required Along with Bill</u>

1. Delivery Challan, 2. Claim Bill, 3. GST Invoice, 4. Tax Return 5. Proof of active Tax filer 6. Company Registration if registered under company Ordinance 1984 and NOC / installation / inspection report duly signed by the committee designated.

16. LIQUITDATED DAMAGES

- In case of delay, the Central Purchase Committee, of MUST reserves the right to suggest to Competent Authorities for imposing a penalty not exceeding 10% of the total amount of the contract at the rate of 1% of the bill for each week (cumulative) of delay.
- If the work is not executed according to the satisfaction of the Competent Authority; He / She reserves the right to reject it altogether or impose a penalty not exceeding 50% of the contract amount.
- In case of services delay or unsatisfactory service delivery /non-complying the terms & conditions CDR will be confiscated.

17. Right to Vary Quantities

MUST reserves the right to increase or decrease quantity of goods and services specified in the Schedule of Prices without any change in the unit price or other terms and conditions up to 15% of tender quantity.

18. **BIDS SUBMISSION REQUIREMENTS**

> Single stage, two envelops procurement process shall be opted in accordance with the guidelines provided in PPRA Rules.

19. IMPORTANT INSTRUCTIONS:

➤ Commercial Offer: Bidders are directed to construct financial offer as per following Performa:

| Serial # as per | Item Name | F.O.R. Rates | Quantity | Amount |
|-----------------|-----------|--------------|----------|--------|
| Tender | | (with GST) | | |
| Document/ BOQ | | | | |
| 1 | | | | |
| 2 | | | | |

- > Optional Rates: We shall not allow bidder to quote optional product for any Item except, if asked to do so.
- Accessories or Optional Items: If Bidder found anything or part which is important and missing in specification given in BOQ, in such case bidders are directed to add price of that part in final price. We shall not allow quoting optional accessories price separately. If anything is less important and its addition may enhance performance of equipment, such items may be quoted in technical offer with price only.

20. Printing Material

A. Central Store

| Sr. | Name of Items | Color | Qty |
|-----|------------------------|------------------------|-------|
| 1. | Envelope 4*9 | White Printed | 3000 |
| | (100 gram, imported) | | |
| 2. | Envelope 5*11 | White Printed | 5000 |
| | (100 gram, imported) | | |
| 3. | Envelope 12*10 A/4 | White Printed | 4000 |
| | (100 gram, imported) | | |
| 4. | Envelope 12*15 | White Printed | 2000 |
| 5. | Envelope 14*17 | Khaki cloth | 2100 |
| 6. | Office File 10*14 | Printed, As per sample | 20000 |

B. Controller of Examination

| Sr. | Name of Items | Specs | Qty |
|-----|---------------|-------|-----|

| 01 | Degree Envelops | Art card, 400gram, legal size with binding closing | 10,000 |
|----|------------------------------------|---|--------|
| | | double tape | |
| 02 | Secrecy Envelops | Inner & Outer (sample can be examined) | 10,000 |
| 03 | Semester System (Midterm Exam) | 12 Pages for each Book consider double side, 70 Gram imported Paper Legal Size, Binding: Thread Sewing interlock, Serialization: Digital Numbering on all copies, with University Monogram in middle of all pages | 50,000 |
| 04 | Semester System (Terminal Exam) | 30 Pages for each Book consider double side, 70 Gram imported Paper Legal Size, Binding: Thread Sewing interlock, Serialization: Digital Numbering on all copies, with University Monogram in middle of all pages | 50,000 |
| 05 | Annual System Extra Sheets | 6-8 pages consider double side, 70 Gram imported Paper Legal Size, Binding: Thread Sewing interlock, Serialization: Digital Numbering on all copies, with University Monogram in middle of all pages | 20,000 |
| 06 | Office Files | 10*14 Printed, As per sample | 5,000 |

Samples should be attached with quotation.

c. **NTC**

| Sr.# | Tender Specifications Active Equipment | Qty |
|------|---|-----|
| | 48 Ports SFP+ Stackable SWITCH (Core Switch) or a better solution | |
| 1 | 48x 1/10G SFP+ ports and 6x40G QSFP+ ports (Must support Redundancy) Dual Power supply Core Switch must support following Interfaces: 48x 10G SFP+ Ports 02x 40G QSFP+ Ports 01x Expansion slot for future 10G and 40G interfaces Console Port: RJ45 for PC and USB-C Management Port: RJ45 Port Core Switch should support following Capacities: 1.2Tbps switching Capacity or higher. 1Bpps Forwarding Rate or Higher. Switch should support 256k MAC address entries and 128k Routing entries. Switch must support layer 2 and layer 3 features: Port Security, RIP, Static Route, OSPF, IS-IS, PBR, IGMP and 802.1x. also support MACSec 3-year Support and Hardware Replacement (Next three Business Days). | 1 |
| 2 | 24 Ports PoE+, 4 SFP+ and 2 Ethernet uplink Ports (minimum) SWITCH Access Switch must support following Interfaces: 24x 1G RJ45 Port 04x 10G SFP+ Ports Console Port: RJ45 for PC and USB-C Access Switch should support following Capacities: 128 Gbps switching Capacity or higher. 95Mpps Forwarding Rate or Higher. Switch should support built-in Management Center to perform centralized configuration backup, and software version management, increasing working efficiency. Switch must support minimum of 720-watts POE budget with single power supply. Switch should support 16k MAC address entries. Or higher Switch must support layer 2 and layer 3 features: Port Security, RIP, Static Route, OSPF, IGMP and 802.1x, STP/RSTP/PVSTP, VLAN and VLAN interface. | 10 |

- 1. Access Point must support 802.11 ac Wave II Standard.
- 2. The access point should work on 2.4GHz and 5 GHz band simultaneously.
- 3. Access Point should support 300 Mbps on 2.4 GHz and 867 Mbps on 5 GHz.
- 4. Access Point should support Channelization of 20 MHz, 40 MHz and 80 MHz
- 5. Access point must work on 2 x 2 MIMO with 2 Spatial Streams.
- 6. Support backward compatibility with legacy 802.11 Clients.
- 7. Minimum 4 Integrated Antenna elements must support 128 unique antenna patterns for better coverage and interference rejection.
- 8. AP must have 1 x Gigabit Ethernet Port which support 802.3,802.3u,802.3ab and 802.3at/af POE standards
- 9. Wireless Security: WEP, WPA-PSK, WPA-TKIP, WPA2 AES, 820.11i
- 10. Support dynamic per-user rate-limiting for Hotspot WLANs.
- 11. AP should support IP multicast video streaming.
- 12. AP should be IP 67 Rated and support Operating temperature of -20°C to +65° C.
- 13. 3-year warranty

| 6 | OEM/COMPATIABLE 10GBASE-LR, SFP+ optic (LC), for up to 10km over SMF Standard with one year warranty | 20 |
|----|--|----|
| 10 | OEM/COMPATIABLE 1000BASE-TX SFP Copper, RJ-45 Connector with one year warranty | 6 |
| 11 | DIRECT ATTACHED SFPP ACTIVE COPPER,3M,1-PACK For Stacking | |
| 12 | Iron Pole 12 feet for Outdoor AP with complete installation and paint if required | |
| 13 | Complete Configuration job and training of above mention products. | 1 |
| 14 | UPS 5 KVA Pure sine wave (APC or equivalent) with long backup 150 AMP Gel Batteries with one year warranty. Must provide under and over voltage protection. Card for Network Monitoring | 1 |
| 15 | UPS 1.5 KVA or higher Pure sine wave (APC or Equivalent) with long backup 150 AMP Gel Batteries with one year warranty. Must provide under and over voltage protection. Card for Network Monitoring. | 5 |
| | Next Generation Firewall | |
| | Must Be Listed in 2021 Gartner Magic Quadrant for Next Generation Firewall | |
| | Must Be Listed in 2021 Cyber Ratings for Enterprise Firewall | |
| | Must Have Minimum NGFW 2.5 Gbps Throughput (FW + SA +BM + IPS) (Higher will be preferred) | |
| 16 | Must Have Minimum 1.8 Gbps Threat Protection Throughput (FW + SA +BM+ IPS + Antivirus). (Higher will be preferred) | 02 |
| | Unrestricted Concurrent User will be preferable | |
| | Must Have Minimum 64 GB SSD Storage and support higher Capacity (Higher will be preferable) | |
| | Must Have Minimum 5 x 1G Ethernet Interfaces (Routing) | |
| | Must Include Intrusion Prevention System (IPS and DPI), Anti-Virus & Anti-Malware, Email Security Protection, Cloud-Based Security Sandbox, Web Filtering, Anti-Brute force | |

| 18 | Accessories if required as per actual | |
|----|--|----|
| 17 | Surveillance grade 4 TB Hard Disk SATA with one year warranty | 04 |
| | Feedback from the existing customers and online reviews will be considered. | |
| | Higher specification and better features will be preferred. | |
| | Must Quote OEM Onsite Configuration, Installation, and training (On site & Offsite) | |
| | Must Quote 5 Year Hardware Warranty Service | |
| | Must Quote 5 Year Software Upgrade & 24x7 Technical Support | |
| | Must Quote 5 Year Complete Security Features License | |
| | Software for external logs management will be preferable | |
| | Built-in SOC monitor for visibility or equivalent feature | |
| | Must Support IPS signature over 9000+ entries on premise admin able to customize IPS signature, search based in CVEID, Vulnerability Name and threat level. | |
| | Site-to-Site IPsec VPN and real time vulnerability scanner will be preferable | |
| | Must Quote 30 or higher Concurrent Users for SSL VPN | |
| | attack Application Control, Bandwidth Management, and preferably weak password detection. | |

PASSIVE NETWORK INFRASTRUCTURE

Schneider, Molex, Corning, Vivanco or equivalent

| S# | ITEM | SPECIFICATION | QTY |
|----|-------------|--|-----|
| | | PASSIVE COMPONENTS | |
| 1 | UTP Cable | Cat 6 UTP,23AWG 4Pair Cable Roll (305 Meter) Mechanical Characteristics Conductor: Bare Copper AWG: 23. (24 AWG may also be quoted optionally) UL Listed TIA-EIA ISO. 20-year performance warranty | 40 |
| 2 | F/UTP) | Shielded (F/UTP) cable 23AWG bare copper, Outer material: Tinned copper 305-meter roll. UL Listed TIA-EIA (24 AWG may also be quoted optionally) ISO. 20-year performance warranty | 2 |
| 3 | Face Plates | Dual/Single Port Face Plate shuttered with PVC back box | 200 |
| 4 | RJ 45 I/O | Tool less IO Operating Life: Operating Life: Minimum 200 | 200 |

| | 1 | | T |
|----|------------------------|--|-------|
| | | Determinations IDC Contact Plating Matte Tin, RoHS compliant, | |
| 5 | Patch Panel | 24 Port Modular shuttered Patch Panel loaded with tool less IO and rear back cable manager cold rolled steel, Powder Coated, Front port identification Global hardware kit Cable ties. | 12 |
| 6 | Front cable Manager | Front Cable Manager 1U, Steel | 12 |
| 07 | UTP Patch | 1 Meter patch cord UTP Cat6 Conductor size: 24 AWG stranded copper wire Cat 6-, TIA-568-C.2 Cat 6 | 250 |
| 08 | Cable | 3 Meter patch cord UTP Cat6 Conductor size: 24 AWG stranded copper wire Cat 6-, TIA-568-C.2 Cat 6 | 100 |
| 09 | Cabinet | 12U Data Cabinet 600 x 600 with 2 Fan and 4-way Metal PDU (inside frame 16 gauge and outside 20 gauge). | 3 |
| 10 | Cabinet | 27 U Data Cabinet 600 x 900 with 4 Fans and 8-way PDU. with wheels floor standing (inside frame 16 gauge and outside 20 gauge) | 1 |
| 11 | Fiber | 24 Core or higher OS2 10g Supported Outdoor Lite Armored Loose Tube, PE sheath, Cable with preferably supporting wire. | 3000 |
| 12 | ODF | 12 Port Rack Mount ODF loaded with SC couplers and Splice Tray, Powder Coated | 8 |
| 13 | ODF | 48 Port Rack Mount ODF loaded with SC couplers and Splice Tray, Powder Coated | 2 |
| 14 | Fiber Patch cord | SC to LC Duplex OS2 10g Single mode Patch cord 3 meter – (SC to SC five cables) | 25 |
| 15 | Fiber Pigtails | SC Singe mode Fiber OS2 10g Pigtail with Splice | 150 |
| 15 | Pipe | Flexible Pipe 1 Per feet. (As required) | 200 |
| | | Flexible Pipe 2 and 4 inch per feet (As required) | 100 |
| | | PVC Pipe 1 inch and 2 inches, per feet as per requirement | |
| | | Duct 60*60 (10 feet standard length) | 100 |
| | | Duct 40*40 (10 feet standard length) | 150 |
| | | Duct 16*38 (10 feet standard length | 400 |
| | | Cable tie 8-inch packet | 5 |
| | | Numeric tag packet | 5 |
| 17 | Services | Fiber laying arial. Per meter | 2000 |
| 18 | Services | UTP CAT 6 Cable deployment Charges including of Ducting, Tagging, Punching, and testing (Per Feet) (As Per Actual) | 50000 |

| 19 | Services | Splicing and testing as per actual | 100 |
|----|----------|------------------------------------|-----|
|----|----------|------------------------------------|-----|

- 1- MAL Letter required for Active equipment (Firewall, Switches, UPS, and access points), UTP and FTP cable, patch cable and IO's
- 2- 25-year performance warranty certificate for copper cables
- 3- All items related to UTP wiring single brand is preferable, excluding cabinets, fiber, ducts, and pipes etc.
- 4- Samples of cables shall be provided by vendor as per demand.

| Form 1. |
|---|
| PROPOSAL SUBMISSION FORM |
| Secretary Purchase Committee |
| Mirpur University of Science & Technology, |
| Sir, |
| we, the undersigned, offer to |
| provide the Services for "Purchase of Items for MUST Office and in accordance with your |
| Request for Proposal (Tender Document) dated and our Proposal. We are |
| hereby submitting our Financial Proposal along with Technical compliance, sealed in |
| envelope. |
| We understand you are not bound to accept any Proposal you receive and reserves |
| the right to accept or reject any offer and to annul the bidding process and reject all |
| proposals without assigning any reason or having to owe any explanation whatsoever. |

The decision of evaluating committee shall be final and cannot be challenged on any ground at any forum and the evaluating committee will not be liable for any loss or damage to any party acting in reliance thereon.

We remain,

Yours' sincerely

Authorized Signature:

Name and Title of Signatory: Name of Firm:

Address:

| FORM 2: | | |
|---|----------------|--|
| To be filled by the bidders | | |
| 1. Name of bidders: | | |
| 2. Address: | | |
| 3. Phone: | Mobile | |
| 4. Fax No | E-mail: | |
| 5. NIC Tax No | Sales Tax No.: | |
| 6. Branches (if any): i | | |
| ii | | |
| iii | | |
| 7. Type of Business: i | | |
| ii | | |
| iii | | |
| 8. Facilities: i. List of technical staff with qualification and experience | | |
| ii. Authorization of distribution / dealership | | |
| iii. Any other: | | |
| 9. Monthly Turn Over: | | |
| 10. Previous Experience (name of organization where said or like equipment | | |
| supplied/installed/ | | |

| Commissioned) | |
|--------------------------------------|---------------------|
| iii | |
| iiiiv | |
| v vi | |
| | |
| Please enclose any supporting docume | ent |
| Total Bid Value (Rs): | Amount of CDR (Rs): |
| Name and signature: | Date: |

"THE END"