

RFQ DOCUMENT

FAST-National University of Computer and

Emerging Sciences, Multan Campus

PROVISION OF IT INFRASTRUCTURE

FOR FAST - NUCES DHA Multan

Ref: 04-0126/IT/MBLK

RFQ DOCUMENT

FAST National University of Computer and Emerging Sciences, Multan Campus PROVISION OF IT INFRASTRUCTURE FOR FAST - NUCES DHA Multan

1. Quotations are invited from reliable firms having NTN & Sales Tax registration for **PROVISION OF IT INFRASTRUCTURE FOR Main BLOCK, FAST – NUCES DHA Multan** as per detail available at **Annex-A**.
2. **Submission of Quotation.** Single Stage-Single Envelop procedure. **Quotations** are submitted in person.
3. **Eligibility Criteria:** To be eligible, the firm must be:
 - a. Registered with FBR for sales tax as well as income tax.
 - b. Be active on taxpayer list
 - c. Never Blacklisted. Affidavits on stamp paper is required.
 - d. Not under any litigation with any organization. Affidavits on stamp paper is required.
 - e. Lot-wise submissions are also permitted; however, each submitted lot must be complete. Only complete lot submissions will be considered for evaluation.
4. **Quotations and Attachments to be provided by Firms:**
 - f. **Quotation** prices item wise duly totaled up in local currency- PKR, All inclusive.
 - g. **Comparison/Selection of Quotation:** FAST-NUCES DHA Multan will have the option to make selection Technical Solution item wise or Lot wise, otherwise and cancel **Quotations** without any liability.
 - h. **Quotations** should be **valid** for at least **60 days** after the opening date.
 - i. Firms to ensure submission of documents as per details provided in **Annex-B**.
 - j. **Quotations** may be submitted by a nominated representative of the firm.
 - k. Multiple firms operating under common owner/administration will submit only **one Quotations out** of any one of its registered/legal entities.
5. **Instructions for Firms (Be Noted Carefully):**
 - a) Incomplete **Quotations** in any aspect will be rejected / disqualified.
 - b) **Quotation(s)** shall be rejected **if the rate(s) and models are unclear, incomplete, ambiguous, conditional or not totaled.**
 - c) **Penalty for delays:** 1% of total value of the Purchase Order / per week.
 - d) **Guarantee: The selected firm(s) shall submit a guarantee equivalent to 5% of the Purchase Order value prior to the issuance of the PO.**
 - e) **Right to purchase at Risk-and-Expense of Firm/s,** if the selected Firm/s: **(i)** fails to complete the order, or **(ii)** delays to supply within the delivery time quoted or extended time given by Purchaser, or **(iii)** supplies **sub-standard** items, or **(iv)** supplies low quality items, then FAST-NUCES reserves the right to **(v)** purchase single, all or un-supplied quantity of item(s), by the suppliers at **Risk-and-Expense** therefore forfeit **performance guarantee** and resort to administrative actions, etc.
 - f) **FAST-NUCES DHA Multan reserves the right to (i)** Increase/decrease the required quantity while placing purchase order or add related item in repeat order. **(ii)** reject any Quotation or procurement process. **(iii)** Amend delivery time. **(iv)** Make clarifications during the contract period etc. any time, as per rules.
 - g) Representatives of firms are allowed to witness the opening of Quotations, without conferring any privilege.
 - h) Only technically qualified firms will be considered.
 - i) Any firm that fails to satisfactorily address all queries raised during evaluation shall be disqualified from the evaluation process.
 - j) **Contract Agreement** shall be signed with successful firm as per FAST-NUCES policy and Provision of **Rs.100 stamp paper** shall be provided by successful firm which shall be delivered before issuance of Purchase Order.
 - k) **Late submission of Quotation** cannot be entertained.
 - l) Information regarding the subject item should not be communicated to unauthorized person(s).
 - m) In case of dispute FAST-NUCES shall be final and binding on both the parties.

- n) Firms will ensure that the “End of Sale” and “End-of-Life” (EOL) items are not being quoted / provided.
- o) **Delivery Time & Commissioning:** Delivery, installation and commissioning time shall not be more than 6-8 weeks from the date of issuance of the Purchase Order.
- p) Submitted Quotations openings may be postponed due to unavoidable circumstances, including public holidays, leave, or official commitments of the President or members of the Committee. If the quotation opening falls on a public holiday, it will be rescheduled to the next working day. In case of postponement due to reasons other than public holidays, we will notify firms through available communication channels.
- q) Selection/ evaluation of items shall be according to the Evaluation Criteria.
- r) **Payment** will be made after deduction of Tax and part of Sales Tax by FAST – NUCES
- s) As per Govt rules. It is the vendor’s responsibility to be on Active Taxpayers list of FBR.
- t) The specifications provided in this RFQ document are the minimum requirements of FAST - NUCES. The firms must meet or exceed these specifications to meet the actual requirements of this project. However, in such cases, additionally proposed or alternate specifications should clearly be highlighted to enable FAST-NUCES to clearly ascertain the impact of modified specifications.
- u) **The vendor must provide 1-year SLA for any repair & maintenance coverage of the equipment or services.**
- v) The proposed solution must comply with all applicable laws, regulations, and policies of the Government of Pakistan. The firm shall ensure that the solution is lawful, non-objectionable, and does not violate any legal or regulatory requirements.
- w) All equipment mentioned in each LOT shall be the responsibility of the successful firm to deliver, commission, and test at the site. The firm/vendor must include all costs associated with these items while submitting the quotation. (All quoted prices shall be inclusive of all applicable charges, including shipment, government duties, delivery, commissioning of equipment/item, configuration, testing & etc. All firms/vendors shall submit their quotations in accordance with the sample format provided in the RFQ document (Clause 7).)

6. **Clarifications/Technical Queries:** Firms are advised to email their information and any clarification/technical queries to info.it@isb.nu.edu.pk & mandatory CC mtn.dir@nu.edu.pk . No responses will be entertained after the due date.

7. Quotations should be submitted in the following format: -

a. **Format for Quotation**

S. No.	Nomenclature	Unit	Qty	Unit Price	GST	Unit Price with GST	Total Price without GST (Unit price*Qty)	Total Price with GST (Unit price*Qty)
							Total: -----	Total: -----

8. **Selection / Evaluation Criteria:**

- a) Comprehensive Evaluation Criteria is provided in the RFQ document as **Annexure – C**. Final selection will be made by calculating the marks obtained by each firm. Any firm scoring more than or equal to 70% aggregated marks will qualify. The contract will be awarded to the firm offering the Most Advantageous quotation.

9. **Evaluation & Award of Contract:**

- a) Documents must be submitted in person by 11:00 AM on April 14, 2026, at FAST House G-9/4 Islamabad. Submissions received after the specified time will not be accepted or considered. The quotation will be opened & announced (Proposed Solution along with Total Cost) on the same day at 11:30 AM in the presence of the firm’s representatives to ensure transparency.
- b) **Award of Contract:** Following the opening of quotations, a technical evaluation will be conducted, and the contract will be awarded to the most advantageous firm. Only technically qualified firms will be contacted through official communication channels, for further processing and contract award.
- c) The technical evaluation results will be communicated to the firms concerned on request, indicating their qualified or disqualified status.

Director FAST NUCES
DHA, Multan

Case No. 01-426/IT/MBLK/ dated 01 April 2026

Phase - 1

LOT – 01 (Firm should conduct onsite Survey to collect relevant information. (Mandatory*))

- 1- Billing will be calculated on **AS per actual deployment** of cable and accessories initially quoted by firm. The solution shall be on a single brand. (Mandatory*)

Indoor Optical Fiber Cable Laying for Main Block				
S.No	Location	Item With Specification	Unit	Qty
1	Main Block Server Room to Access Switches cabinet.	Optical Fiber Cable 12xCore Multi Mode (OM 4 or 3) (Primary + Secondary Link)	Meters	3000
2		Rack mountable Fiber patch panel/OFDF, 48-SC duplex Multi mode module with complete sealing after splicing	Nos	2
3		ODF 12 Core Rack Mount Complete Pigtail, Adapter	Nos	13
4		Optical Fiber Multi Mode Patch cord SC to SC (3 Mrt)	Nos	52
5		Optical Fiber Single Mode Patch cord SC to SC (3 Mtr)	Nos	2
6		GI Flexible 2"	Feet	Should be Quoted by vendor / Firm after Survey
7		Laying Charges	Meters	
8		Splicing	Meters	
9		Testing	Meters	

LOT – 02 (Firm should conduct onsite Survey to collect relevant information. (Mandatory*))

LAN Connectivity for Academic Block			
S/N	Description	Unit	QTY
1	Cat - 7 Cable, SFTP, PVC, 4 pairs	Meter	40,000
2	RJ45 K6 Jack Tool Less with shutter, Cat 6A-SFTP	Each	910
3	Cat 6A- RJ45 to RJ45 Patch Cable, SFTP,1m	Each	1110
4	Cat 6A RJ45 to RJ45 Patch Cable, SFTP, 3m	Each	700
5	Patch Panel, 24 ports, Cat-6A SFTP loaded with shutter and Tool Less IO's	Each	46
6	Single Faceplate without Shutter	Each	910
7	18-U PoE Cabinet,2-Fan, Double Section, Front Glass Door All Side Open with Power PDU (Imported)	Each	13
8	42-U 800x1000 Cabinet imported, 2Fix Tray, 4-Fan, 4-Wheel, Front Glass Door All Side Open with Power PDU	Each	1
9	PVC Back Box for Data Face Plate	Each	Should be Quoted by vendor / Firm after Survey
10	Front Cable Manager	Each	
11	Steel perforated cable tray with Cover, Fixing Material (Threading rod, fixing plate, anchor bolt & nuts, screw) (18 SWG) (4x3, 6x3, 8x3, 9x3, 12x3) Inch or any suitable size) each quoted separately. (Labelled on HLD with Size)	Feet	
12	PVC Duct (16x38, 40x40, 60x60 or any suitable size) (Labelled on HLD with Size)	Feet	
13	4"x4" Outdoor Box Best Quality	Nos	
14	PVC / Stell GI Pipe (1",1-1/2", 2") each quoted separately. (Labelled on HLD with Size)	Feet	
15	Power PDU (for Cabinets (6 soc x 13, 12 soc x 1))	Nos	
16	SFTP Cat-7 Cable Laying, Installation of Cable Tray, Installation of PVC Duct, Installation of Assembling of all Networks Rack, Complete hanging of Material	Meter	
17	Termination Face Plate and Patch Panel End, Labeling Face Plate & Patch Panel End	Node	
18	Fluke Testing with Calibrated Fluke Meter	Node	

Note: Quoted solution of this LOT - 02 should be a single brand, Sample board should be submitted with bids. (Mandatory). Payment shall be made on as per actual quantity initially quoted by firm as per fluke test / measurement.

LOT – 03 (Firm should conduct onsite Survey to collect relevant information. (Mandatory*))

Network Active Equipment

Sr. No	Details	Qty
1	SFP+ Multi Mode OEM	40
2	(24 Ports PoE Switch x 6) 24 x 10/100/1000/2.5G downlink Base-T, PoE+ Supported, Uplinks: Minimum 4 x 10Gb SFP+ uplinks with OEM Transceivers as per proposed Solution, Memory 2GB or higher 2 x 12GE Stack ports, Device Switching Capacity 240 Gbps or higher, PoE Budget: Minimum 400W or higher Forwarding Capacity 40 Mpps or higher. Layer 2 features: ≥ 30K MAC address entries, ≥ 4K ARP entries, 4K VLANs, QinQ, port VLANs, and IEEE 802.1D (STP), IEEE 802.1w (RSTP), and IEEE 802.1s (MSTP), IGMPv1, IGMPv2, IGMPv3, PIM-SM, PIM-DM, and PIM-SSM. Layer 3 features: RIP/RIPng, OSPFv2/v3, VRRP, BFD, Policy-based routing, routing policies and static routing. Access control: Layer 2, Layer 3, Layer 4 Protocols, VLAN ACL and IPv6 ACL, IP/Port/MAC address binding. Quality of service / ACL: Eight queues on each interface, Packet filtering at Layer 2 to Layer 4, Network Slicing, Queuing algorithms, Traffic shaping, Security function RADIUS and HWTACACS, Dynamic ARP Inspection, MAC address authentication, CPU defense, Port isolation, port security, and sticky MAC. Number of stacked hosts ≥ 8. Management: SNMPv1/v2/v3, Telnet, RMON, and SSHv2, Configuration and management using CLI, web, and GUI-based configuration software.	6
3	(48 Ports PoE Switch x 2) 48 x 10/100/1000/2.5G downlink Base-T, PoE+, Uplinks: Minimum 4 x 10Gb SFP+ uplinks with OEM Transceivers as per proposed Solution, 2 x 12GE Stack ports, Memory 2GB or higher, PoE Budget: Minimum 800W or higher Device Switching Capacity 350 Gbps or higher, Forwarding Capacity 250 Mpps or higher. Layer 2 feature: ≥ 30K MAC address entries, ≥ 4K ARP entries, 4K VLANs, QinQ, port VLANs, and IEEE 802.1D (STP), IEEE 802.1w (RSTP), and IEEE 802.1s (MSTP), IGMPv1, IGMPv2, IGMPv3, PIM-SM, PIM-DM, and PIM-SSM. Layer 3 features: Static routing, RIP/RIPng, OSPFv2/v3, VRRP, BFD, Policy-based routing, routing policies, BFD for OSPF, BGP, IS-IS, and static routing. Access control: Layer 2, Layer 3, Layer 4 Protocols, VLAN ACL and IPv6 ACL, IP/Port/MAC address binding. Quality of service /ACL: Eight queues on each interface, Packet filtering at Layer 2 to Layer 4, Network Slicing, Queuing algorithms, Traffic shaping, Security function RADIUS and HWTACACS, Dynamic ARP Inspection, MAC address authentication, CPU defense, Port isolation, port security, and sticky MAC, Number of stacked hosts ≥ 8. Management: SNMPv1/v2/v3, Telnet, RMON, and SSHv2, Configuration and management using CLI, web, and GUI-based configuration software.	2
4	48-Port Access Switches (Non-POE) 48 x 10/100/1000 RJ45 Ports, 4 x 10GE SFP+ uplink Ports, need to be Functional/Ready as per the required proposed infrastructure with OEM SFP Transceiver Module, Memory 2GB or higher, Switching Capacity 170 Gbps or Higher, Forwarding Capacity 130 Mpps or Higher. Layer 2 features: 4K VLAN or Higher, 30K or higher MAC entries, QinQ LACP, STP, RSTP, MSTP/PVST+, ERPS, LLDP, Voice VLAN. Layer 3 features: Static routes, RIP, RIPng, OSPF, OSPFv3, IPv6, BGP, routing policy, FIBv4 >= 4K & Static routes, IGMP v1/v2/v3, PIM-SM, PIM-DM, PIM-SSM, IGMP v1/v2/v3 Snooping, Stacking support for at least 8 devices. Management: Support 802.1x, MAC Authentication, Dynamic VLAN, ACL, RADIUS, Security and Management: CLI and Web interface (HTTPS), Telnet, SSH v2, SNMP v1, v2, and v3, Telemetry, RMON. Operating Temperature -5°C to +50°C. Quality of services: Rate limiting on packets, Interface-based traffic policing, Eight queues on each interface, Port Mirroring. Security features: ARP security, DoS attack defense, ICMP attack defense, CPU protection, Blackhole MAC address entries, SSH V2.0, HTTPS.	10
5	Distribution Switches 48P 10G 48 x 1/10 GE SFP+ Ports, 6x 40 GE QSFP28 uplink Ports, need to be Functional/Ready as per the proposed infrastructure required with OEM SFP Transceiver Module. Memory 4GB or higher & Flash 2GB or higher, Device Switching Capacity 2 Tbps or Higher, Forwarding Capacity 480 Mpps or Higher. Layer 2 feature: 4K VLAN or Higher, 60K or higher MAC entries, Automatic MAC address learning and aging, QinQ LACP, STP, RSTP, MSTP/PVST+, ERPS, LLDP, Voice VLAN. Layer 3 feature: Static routes, RIP, RIPng, OSPF, OSPFv3, IS-IS for IPv4 & IPv6, BGP, BGP4+, routing policy, VRF, BFD for OSPF, BGP, IS-IS, & Static routes, Multicast IGMP v1/v2/v3, PIM-SM, PIM-DM, PIM-SSM, IGMP v1/v2/v3 Snooping, Multicast querier. Stacking support for at least 8 devices. Management: Support 802.1x, MAC Authentication, Dynamic VLAN, ACL, RADIUS, Security and Management CLI and Web interface (HTTPS), Telnet, SSH v2, SNMP v1, v2, and v3, Telemetry, RMON. Operating Temperature -5°C to +45°C, Automation. Quality of Services: Traffic classification, re-marking, and scheduling, Traffic behavior, Power Supply 1+1 power supply backup Congestion management, Traffic shaping, Eight queues on each interface, Port Mirroring. Security features: DoS attack defense, broadcast storms, CPU protection, Remote Network Monitoring (RMON), Static & Dynamic ARP Inspection & URPF.	1
6	Core Switch: Minimum 8 Ports x 10GE SFP+ ports & 16 Ports x 40GE QSFP port, Functional/Ready as per the required proposed infrastructure with OEM SFP+/QSFP Transceiver Module. With Memory 8GB or higher & Flash 4GB or higher. Switching Capacity 12 Tbps or Higher, Forwarding Capacity 2000 Mpps or Higher. Layer 2 Features: 4K VLAN or Higher, 500K or higher MAC entries, Automatic MAC address learning and aging, Source MAC address filtering, Static, dynamic, and blackhole MAC address entries, QinQ LACP,	1

	STP, RSTP, MSTP/PVST+, ERPS, LLDP, Voice VLAN. Layer 3 feature: Static routes, RIP, RIPng, OSPF, OSPFv3, IS-IS for IPv4 & IPv6, BGP, BGP4+, routing policy, VRF, BGP EVPN, BFD for OSPF, BGP, IS-IS, & Static routes, Multicast IGMP v1/v2/v3, PIM-SM, PIM-DM, PIM-SSM, IGMP v1/v2/v3 Snooping, Multicast querier. Stacking support for at least 8 devices, M-LAG, Gateway redundancy and BFD for the Gateway Redundancy LLDP. Power Supply 1+1 power supply backup. Management: Support 802.1x, MAC Authentication, Dynamic VLAN, ACL, RADIUS, Security and Management CLI and Web interface (HTTPS), Telnet, SSH v2, SNMP v1, v2, and v3, Telemetry, RMON. Operating Temperature: -5°C to +45°C, NETCONF. Quality of Services: Traffic classification, re-marking, and scheduling Congestion management Traffic shaping, Eight queues on each interface, Port Mirroring, Queuing algorithms. Security: DoS attack defense, broadcast storms, CPU protection, Remote Network Monitoring (RMON) MACsec Secure boot.	
7	QSFPs Single Mode (for core connectivity with Distribution & Firewall) OEM	2
8	For this LOT firm must have OEM Authorization Certificate & 3 – Years Standard Equipment warranty from OEM. Quoted Product Brand should be minimum in Leaders/Challengers in Gartner Wired in latest Gartner Report. OEM must have offices & depots in Karachi, Islamabad and Lahore.	

LOT – 04 (Firm should conduct onsite Survey to collect relevant information. (Mandatory*))

UPS Academic Block		
	Details	Qty
1	UPS 10 KVA Minimum 30 Minutes Backup on Full Load Online Pure Sinewave The UPS must have a capacity of 10 kVA/8 kW, providing reliable power backup for computer & network infrastructure, including access and PoE switches. It should support 220/230/240V AC output, deliver a pure sine wave, and offer ±1% voltage regulation. The system must include hot-swappable VRLA batteries with a backup time of 20-30 minutes at full load, extendable with additional battery packs. Efficiency should be ≥94% in normal mode and ≥98% in ECO mode. <u>The scope includes delivery, commissioning and testing of the UPS and connecting it to the network switches, with the vendor required to visit the site to assess connectivity needs, including cables, socket, breaker, DB, Pipe / Duct and other accessories.</u> The UPS must be centrally placed, ensuring power distribution to all network switches. Failure to commission according to the requirements will result in disqualification.	3
2	UPS Cabinet: (10 KVA) Specs: Glass front, Lock and key, ventilation fan and good quality PDU	3
3	Suitable cable (10mm 3 Core, 7/29 3 core or any), breaker and other necessary items will be calculated as per actual.	Should be Quoted by vendor / Firm after Survey
4	OEM Authorization Certificate & 3 - Years Standard Equipment warranty from OEM	

PROVISION OF IT INFRASTRUCTURE FOR A- BLOCK FAST - NUCES DHA Multan
(ATTACHMENT)

Please ensure that all required documents are properly labeled, clearly referenced, and that relevant information is highlighted within the attached files. If any document is mislabeled, unclear, misleading, or missing, the submitting firm will bear full responsibility.

S/No.	Required Documents (ONE COPY ONLY)	Attached? ☐/☐	Placed At
1.	NTN certificate	☐	
2.	Sales Tax certificate	☐	
3.	GST Deposit record	☐	
4.	No Blacklisting & No litigation Affidavit	☐	
5.	OEM Authorization Certificate	☐	
6.	Literature of each quoted equipment and highlighted required features with web link for online verification	☐	
7.	Firm's Registration Certificates Since foundation till date	☐	
8.	Document showing similar equipment/work supplied/completed in last 2 years (Only Last 3 works / POs) (The firm/vendor must attach three (3) separate purchase orders or work orders with proposal / submitted documents demonstrating relevant or similar experience completed within the last two (2) years.)	☐	
9.	Financial Position Record (Bank Statement) – Last 1 Year	☐	
10.	Resume of technical manpower (on company's payroll), posted in Multan office: Relevant to the project only (One Page)	☐	
11.	Quotation is valid for at least 60-90 days	☐	
12.	Each item is quoted separately	☐	
13.	End-of-Life (EoL) and End-of-Sale (EoS) equipment NOT QUOTED	☐	
14.	Prices are quoted in Pak Rupees PKR	☐	
15.	Delivery Time should be as per document	☐	
16.	Equipment is quoted with at least 3-5 Year warranty.	☐	
17.	Make, Origin and Manufacturer is as indicated in the quotation	☐	
18.	Compliance Sheet Signed and Stamped by owner/representative.	☐	
19.	Firm must possess a registered Landline number under its name	☐	
20.	OEM must have registered with SECP and FBR for the past 5 years	☐	

Signature: _____

Name: _____

Firm & Designation: _____

Date: _____

_____ Firm/Vendor Stamp

EVALUATION CRITERIA

S/No.	Evaluation Parameters	Marks
1.	Confirmation of Specifications (Mandatory)*	20
2.	Firm's Relationship with OEM (Mandatory)*	20
3.	Relevant Past Experience of Govt / Private Educational Institutes (Mandatory)*	10
4.	Financial Statement of last one year	5
5.	OEM / Principal's grounds/ physical office/ presence in Pakistan at least in the past 5 years. (OEM Registration in Pakistan with Office=10, OEM presence without office= 05, Other=0 (no presence or <5 years))	10
6.	Principal's Endorsement for correctness and performance of the solution and Authorization letter required for Hardware from OEM. (Mandatory)*	10
7.	The vendor must have local support available. (Local Office = 5, Other = 0)	5
8.	Experience in implementing large-scale network projects comprising at least 300–500 nodes under a single purchase / work order.	10
9.	Confirmation of Delivery Time (Mandatory)*	Yes / NO
10.	Sample submission of cables and accessories (LAN & Optical Fiber) (Mandatory)*	Yes / NO
11.	High-Level Diagram (HLD) to be submitted by the firm providing the quotation for LOT 1, 2, 3, and 4 (Mandatory)*	10
	Total Marks	100

***Any firm that fails to meet the mandatory requirements will be automatically disqualified from the evaluation process.**

END OF DOCUMENT