

NL-1

GOVERNMENT OF PAKISTAN
HQ NATIONAL LOGISTIC CORPORATION
INVITATION TO TENDER

LAN DEPLOYMENT AT NLC CAMPUS HARRAKA ON FOR RAWALPINDI BASIS

INSTRUCTION TO TENDERERS - WORDS OF CAUTION

1. **Participation of Tender.** NLC invites bids from qualified vendors for the LAN Deployment at NLC Campus Harraka on FOR Rawalpindi Basis. The tender can be participated by following: -
- a. **OEMs (Original Equipment Manufacturers)**
 - b. **OEM Authorized Dealers / Re-Sellers having OEM Authorization Letter with sustained financial capability**
2. **Eligibility / Bid Qualification Criteria.** The bidder must prove his eligibility by completing the Bid Qualification Criteria as following.

Ser	Check List	Yes / No
a.	Tender Fee	
b.	Bid Security	
c.	Copy of NTN / STRN and Active Tax Filler with 100% compliance	
d.	Certificate to compliance to the GSR	
e.	Authorization Letter from OEM	
f.	Complete Tech Data of Equipment	
g.	90 x Days Offer Validity	
h.	Confirmation to Delivery Period	

i.	Comparison Chart (NLC Specification and Firm Offer)	
j.	Not Blacklisting Affidavit	
k.	Certificate to accept all conditions of tender	
l.	List of Major Clients	
m.	Hierarchy of the firm along with portfolio of owner & top management be attached	

3. Special Conditions

- a. Bidder must provide the Authorization Letter from OEM / Authorize Dealer / Re-Seller
- b. Quoted items / equipment should be Branded and Brand New.
- c. Firms are only allowed to quote only 1 x variant / model of item being quoted.
- d. Offer should also accompany complete technical data of the equipment.
- e. Firms must provide all relevant import documents to the purchaser (If Required).
- f. Offers must be prepared on firm's letter head, accompanied by the schedule to tender duly completed / signed / stamped by authorized executive (by name) of the firm without which the offer will not be entertained.
- g. In case, any firm fail to supply the tendered store as per the Letter of Acceptance / contract Agreement, The NLC has the right to take punitive action against defaulter firm that include confiscation of its bid security, Performance Bank Guarantee and ban to participate in the tender etc.
- h. The bidder must be an authorized supplier and integrator of respective OEM.

- i. Joint ventures, consortiums, or partnerships are not allowed. Only single legal entities independently meeting all eligibility and technical criteria will be considered for evaluation.
- j. Sub-letting is not allowed.

4. **Rejection of Bid.** A bid will be rejected under following circumstances: -

- a. Bids not qualifying the bid evaluation criteria as mentioned above.
- b. Offers not accompanied with complete technical specifications of items being offered and not supported with detailed technical brochures.
- c. Non responsive bid to any single required criteria / specification.
- d. Non submission of Tender Fee & Bid Security.
- e. Late submission of tender from given date & time.
- f. Offers not complying with the special instructions in addition to other conditions.

5. **Particulars and Specifications.** Standard particulars, and specifications of Equipments required to be procured are attached at **Annex 'A'**. The bid must conform to the asked specifications and acceptance criteria.

6. **Delivery of Tender.** The original copy of the tender is to be enclosed in double cover. (i) Technical Offer (ii) Commercial Offer, separately. The covers should be sealed and bear tender Enquiry Number and date of opening, while the outer cover should bear only address of this office without any indications.

7. **Date and Time for Submission of Tender**

- a. Tender must reach at HQ NLC, Harding Road Near AFIRM Rawalpindi by the date and time specified in tender notice by hand or by post.
- b. Tender must be dropped in the tender box before given time.
- c. NLC will not be responsible for delay occurring in post.

8. **Price**

- a. The firms must quote prices inclusive of all taxes, packing, delivery and installation charges at Rawalpindi, Lahore and Karachi as per format attached at **Annex "B"**.
- b. The price must be quoted in **PAK RUPEES** in figures and words at the appropriate space of the schedule to tender.
- c. Additional information, if any, must be linked with entries on the Schedule to Tender.
- d. Prices quoted should be firm and final.
- e. Tax exemption (if any) may be provided with the tender documents.
- f. Firm's financial offer must be on letter head duly signed and stamped by executive authority, otherwise offer will be rejected.
- g. Firm will deposit 0.25% amount against total value of the contract. This stamp duty is imposed by Govt of Pakistan as per Stamp Duty Act 1899 and it is responsibility of contractor/firm to deposit stamp duty.
- h. In case of increase in tax by GOP, the additional tax will be paid by purchaser.

9. **Validity of Offers.** The validity period of quoted rates must be indicated and should be at-least 90 days from the date of opening the tender without any condition, extendable for further processing of the case, if required.
10. **Delivery Period.** Equipment must be delivered/installed within 60 x days after issuance of LOA (Letter of Acceptance) or Award of Contract (whichever is earlier) at prescribe location, beyond which Late Delivery Charges will apply.
11. **Packing.** Unless a method of packing is indicated in the specification in the schedule to tender form, the method of packing proposed by supplier must be described in schedule to the tender form. Contractors are at liberty to quote for additional alternative sizes and description of packs and these must be described in the schedule of tender. Packing should be such that item shall not damage in transit till place of delivery. **SAFE DELIVERY OF ITEMS IS SOLE RESPONSIBILITY OF FIRM.**
12. **Inspection**
- a. **Pre-Delivery Inspection**
- (1) Pre-delivery inspection may be carried out at firm's premises before supply, by team of HQ NLC (If Required).
 - (2) Inspection will include Quantity, Quality, Conformation to the agreed specification as per LOA / Contract agreement.
 - (3) Firm will dispatch the items / equipment to prescribed location as mentioned in schedule of tender.
 - (4) Inspection (If Required) should preferably be kept at Rawalpindi / Islamabad. Inspection out of Rawalpindi / Islamabad will be carried out on the expenses of firm including travelling, boarding / lodging etc.

- b. **Final Inspection**. Final Inspection will be carried out by the consignee after delivery & installation for any damages / breakages during transportation and successful functioning.
12. **Arbitration**. Any bidder feeling aggrieved by any act of procuring agency after submission of his bid and prior to award of the contract may lodge a written complaint to procurement agency under Rule - 48 PPRA.
13. **Risk and Expense**. Failure to supply the goods quoted or failure to meet the commitment made regarding delivery schedule, specifications, short supplies etc will authorize HQ NLC to purchase the items at firm's risk and cost.
14. **Force Majeure**. The supplier will not be held responsible for any delay occurring the supply of contracted stores due to event of force majeure such as Act of God, War, Riots, Civil Commotion's Strikes, lock out or disturbance directly affecting the supply over which the supplier has no control. In such an event the contractor shall inform the Purchaser within 15 days of the happening in writing. Non-availability of raw material for the manufacture of stores or the export permit for the export of the contracted stores from the country of its origin shall not constitute Force Majeure.
15. **Late Delivery**. Late Delivery charges will be imposed @ 2% per month or no of days delayed on total cost of contract with effect from original delivery date.
16. **Terms of Payment**
- a. 100% Payment will be made after delivery and Final Inspection after installation and issuance of CRV (Certified Receipt Voucher) by the consignee.
- b. No advance payment is allowed

17. **Tender Fee and Bid Security**. Both will be prepared in the shape of bank draft in favor of “**National Logistics Corporation HQ Main Account**” and submitted as following: -

- a. **Tender Fee**. Rs 2,000/- must be attached with Technical offer.
- b. **Bid Security**. Rs 100,000/- must be attached with Technical offer.

18. **Bank Guarantee**

- a. Performance Bank guarantee valuing 5% of the contract value must be provided / deposited by the successful firm for award of contract, within 15 days from the signing of the contract / issuance of Letter of Intent (whichever is earlier).
- b. The Guarantee should be from a schedule bank of “AA” rating and valid till one month after warranty period.
- c. Performance Bank Guarantee should be as per format provided by NLC and the currency of PBG should be same as the currency of financial offer.

19. **Warranty Period**. The vendor must provide a minimum one-year warranty for all supplied equipment or the OEM warranty period, whichever is greater.

20. **Comparison Chart**. Firms will also attach comparison chart along with their offer on following lines: -

NLC Specification	Firms Specification	Complied with or Not

21. **Evaluation**: Bids will be evaluated based on Compliance with technical specifications, Experience, Track Record and Financial competitiveness. Technical offer of bidders found eligible and qualified as per “**Bid Qualification criteria**” will be evaluated as per specifications (Annex “A”). Financial offers of technically

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approved bidders will be opened and bidder with the lowest financial proposal will be considered most advantageous bid.

General Manager Procurement, HQ NLC

Saved by 100235abdulrehman at 041313 Sep 26

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HEADQUARTERS NATIONAL LOGISTIC CORPORATION

GENERAL CONDITIONS GOVERNING CONTRACT

1. Tender will be opened at HQ NLC, Harding Road Near AFIRM Rawalpindi at Date and Time mentioned in the newspaper add.
2. Tender will be submitted in accordance with PPRA Rule 36 (b) i.e., Single Stage – Two Envelope Procedure
3. Detail of equipment required to be procured is as under :-

Ser	Items Description	Total Quantity
a.	Cat 6 Cable (As per actual)	355
b.	I/O (As per actual)	18
c.	RJ-45 Connector (As per actual)	1
d.	Face Plate, Single Shutter (As per actual)	18
e.	Patch Panel (loaded I/Os)	4
f.	Ethernet Patch Cord (1m) (As per actual)	36
g.	OFC Patch Cord SC-LC (3m)	5
h.	ODF 24P with Couplers	1
i.	ODF 4P with Couplers	3
j.	Cable Manager	4
k.	Network Cabinet (9u) with PDU, fan & Lock	4
l.	Duct Patti 16*16 (As per actual)	60
m.	Duct Patti 16*25 (As per actual)	60
n.	PVC Pipe (As per actual)	60
o.	HDPE pipe 2" (As per actual)	1250
p.	OFC 12Core (As per actual)	1250

q.	OFC 4 Core (As per actual)	125
r.	Access Point	15
s.	POE Switch 8 Port(SFP)	4
t.	POE Switch 24 Port(SFP)	1
u.	Firewall	1
v.	UPS 1.5 Kva	4
w.	Network wifi Adopters for PCs	25
x.	Services	1

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Address _____

Telephone _____

Code Used _____

From: _____

To: _____

THE DIRECTOR GENERAL

NATIONAL LOGISTIC CORPORATION QMG's BRANCH

R.A. BAZAAR GHQ RAWALPINDI

Dear Sir,

I/We hereby offer to supply to the Director General NLC, the stores as per detail in the Scheduled hereto or such portion thereof as you may specify in the contract at the prices given in the said schedule and agree to hold this offer open till _____. I/We shall be bound by a communication of acceptance dispatched within the prescribed time.

2. I/We have understood the instructions to Tenders and Conditions of Contract as laid down in form NL-2 to "General Conditions Governing Contracts" and have thoroughly examined the specificity/drawing and or pattern quoted in the schedule hereto and am/are fully aware of the nature of the stores required and my/our offer is to supply stores strictly in accordance with the requirements.

3. Recommended technical manual/ data are also enclosed with the offer.

4. The following pages have been added to and form part of this tender:-

Your faithfully

(Signature of Tendered)

Address _____

Dated _____

Signature of witness _____

Address _____

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LAN DEPLOYMENT AT NLC CAMPUS HARRAKA ON FOR RAWALPINDI BASIS**SPECIFICATIONS**

Sn o	Item	AU	Qty	GSR
1.	Cat 6 Cable (As per actual)	Mtr	355	Category: Cat 6, 100 Ω, 4-pair STP, solid bare copper conductor, 23 AWG. Bandwidth: Minimum 250 MHz. Conductor: 100% copper, suitable for Gigabit Ethernet (1000BASE-T). Outer Jacket: LSZH/FRNC, suitable for indoor installation. Shielding: STP with appropriate pair/overall shielding. Standards: ISO/IEC 11801, IEC 61156-5, ANSI/TIA-568.2-D or equivalent. Suitable for indoor structured LAN cabling. 305 m box/drum, or as required by the project. Shall be supplied with manufacturer's test/certification documentation.
2.	I/O (As per actual)	Nos	18	CAT6 I/O shall be a high-quality RJ-45, 8P8C Category 6 module suitable for structured LAN cabling applications. It shall support 10/100/1000 Mbps Ethernet and frequencies up to 250 MHz, with 100-ohm impedance and compatibility with T568A/T568B termination schemes. The module shall be

				suitable for 22–24 AWG solid conductors, provide reliable performance with low insertion loss and crosstalk, and support PoE/PoE+ applications. It shall be compatible with standard faceplates and patch panels, include clear port/wiring identification, and comply with applicable ANSI/TIA-568.2-D and ISO/IEC 11801 standards.
3.	RJ-45 Connector (As per actual)	Box	1	Supports PoE++ (802.3bt) 4PPoE, up to 100W connectors compatible with both stranded and solid conductors, typically supporting 23 to 24 AWG wires
4.	Face Plate, Single Shutter (As per actual)	Nos	18	Faceplate Single shutter Color white Suitable for Cat 6, Cat 6A Jack Number of ports 1 Including Back Box
5.	Patch Panel (loaded I/Os)	Nos	4	24-Port, 19-inch rack-mountable patch panel, fully loaded with 24 x Cat6 RJ45 I/O Keystone Jacks.
6.	Ethernet Patch Cord (1m) (As per actual)	Nos	36	Cat 6 Patch Cord Conductor Copper Wire, AWG 24 Delay skew 45 ns/100 m Propagation delay 5.38 ns/m at 100 MHz Insulation resistance 500 MΩ*km Surface transfer impedance 100 N/A Connector Material Pin gold plated 50μ inch
7.	OFC Patch Cord SC-LC (3m)	Nos	5	Duplex OS2 9/125 μm Single Mode fiber, SC Duplex to LC

				Duplex connectors. 3 m length, suitable for indoor interconnection between ODF/patch panels and LC SFP ports. Compatible with 1G Single Mode SFPs, 1310 nm, and OS2 fiber links. Low insertion loss and high return loss with durable connectors and protective boots. Suitable indoor-rated jacket and robust construction. Comply with applicable IEC/TIA fiber-optic standards. Supplied with connector dust caps. Minimum 1-year manufacturer warranty.
8.	ODF 24P with Couplers	Nos	1	Minimum 24-fiber capacity, 19-inch rack-mountable ODF, suitable for Single Mode OS2 fiber. Compatible with the specified 4-core/12-core OS2 Single Mode OFC. SC Duplex adapters/couplers with low insertion loss and reliable alignment. Complete with splice tray, fiber pigtails, splice sleeves, fiber management/slack storage and cable entry provisions. Suitable for fiber termination and splicing. Durable metal enclosure with port identification labels and mounting hardware. Include all required fiber-management and installation accessories. Shall be compatible with the proposed OS2 SC-LC Duplex

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				patch cords and 1G LC Single Mode SFPs. Minimum 1-year manufacturer warranty.
9.	ODF 4P with Couplers	Nos	3	4-fiber capacity, 19-inch rack/wall-mountable ODF, suitable for Single Mode OS2 fiber. Compatible with the specified 4-core OS2 Single Mode OFC. SC Duplex adapters/couplers with low insertion loss and reliable alignment. Complete with splice tray, fiber pigtails, splice sleeves, fiber management/slack storage and cable entry provisions. Suitable for fiber termination and splicing. Durable enclosure with port identification labels and mounting hardware. Include all required fiber-management and installation accessories. Shall be compatible with the proposed OS2 SC-LC duplex patch cords and 1G LC Single Mode SFPs. Minimum 1-year manufacturer warranty.
10.	Cable Manager	Nos	4	Cable Management Panel 19", 1U Black Housing material Powder-coated metal and polycarbonate tray
11.	Network Cabinet (9u) with PDU, fan & Lock	Nos	4	Dimensions 9U 19" Indoor wall-mounted type Welded metal body, removable sides Front door with toughened glass Fan openings provided

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				Protection degree: IP20 Supplied with complete wall-mounting and fixing accessories Include fan, Imported PDU and with Lock
12.	Duct Patti 16*16 (As per actual)	Length	60	PVC duct patti 16×16 mm, made of rigid PVC, 3 m length, for OFC duct spacing and protection, complete in all respects
13.	Duct Patti 16*25 (As per actual)	Length	60	PVC duct patti 16×25 mm, made of rigid PVC, 3 m length, for OFC duct spacing and protection, complete in all respects
14.	PVC Pipe (As per actual)	Ft	60	PVC 1" solid pipe
15.	HDPE pipe 2" (As per actual)	Mtr	1250	2-inch HDPE duct/pipe, suitable for installation inside the existing underground cable channel for OFC. High-density polyethylene (HDPE) with smooth internal surface suitable for OFC cable pulling. Suitable for the specified 4-core/12-core Single Mode OS2 OFC. Supplied with HDPE couplers/joints, end caps and all required accessories. Complete with OFC warning tape and route markers, where required. Suitable for continuous underground installation and resistant to moisture and normal mechanical stresses.
16.	OFC 12Core (As per actual)	Mtr	1250	Fiber Type: Single Mode OS2, ITU-T G.652.D, equivalent to SMF-28e+.

				Construction: 12F Central Loose Tube / SST type with dielectric armor. Outer Jacket: UV-resistant LLDPE/HDPE suitable for outdoor installation. Application: Suitable for outdoor duct, aerial and underground installation. Standards: IEC 60794 series or equivalent relevant international standards. Accessories: Suitable OFC joint/termination enclosures with all required accessories shall be included.
17.	OFC 4 Core (As per actual)	Mtr	125	Fiber Type: Single Mode OS2, ITU-T G.652.D, equivalent to SMF-28e+. Construction: 4F Central Loose Tube / SST type with dielectric armor. Outer Jacket: UV-resistant LLDPE/HDPE, suitable for outdoor installation. Application: Suitable for outdoor duct, aerial and underground installation. Standards: IEC 60794 series or equivalent relevant international standards. Accessories: Suitable OFC joint/termination enclosures with all required accessories shall be included.
18.	Access Point	Nos	15	Dual-band Wi-Fi 6 (IEEE 802.11a/b/g/n/ac/ax) supporting 2.4 GHz and 5 GHz bands. Minimum 2x2 MU-MIMO on both bands, with OFDMA,

				Beamforming and 1024-QAM support. Minimum aggregate wireless throughput of 1.7 Gbps or higher. High-gain integrated antennas, optimized for extended indoor coverage. Support WPA2/WPA3, 802.1X/RADIUS, multiple SSIDs and SSID-to-VLAN mapping (IEEE 802.1Q). Support centralized management through integrated, virtual or software-based controller, including AP provisioning, configuration, monitoring, firmware and SSID/security management. Minimum 1 × Gigabit Ethernet port, supporting IEEE 802.3at PoE+, fully compatible with the proposed PoE+ switch. Support RF/channel/power optimization, band steering and client load balancing. Support seamless roaming between compatible APs. Suitable for ceiling/wall mounting and 24/7 continuous operation. Operating temperature: 0°C to +45°C or better. Minimum 1-year manufacturer warranty. No mandatory recurring cloud/controller subscription shall be required for basic operation and centralized management.
19.	POE Switch 8 Port(SFP)	Nos	4	8 × 10/100/1000 Mbps RJ-45 PoE ports, supporting IEEE 802.3af/at (PoE/PoE+). Minimum 120 W PoE power budget, or as required by

				connected devices. 2 × Gigabit SFP ports for fiber-optic uplinks. 2 × compatible 1G Single Mode SFP optical modules shall be provided, supporting 1310 nm wavelength, LC connector and minimum 2 km transmission distance, compatible with the offered switch and OS2 Single Mode fiber. Support 802.1Q VLAN, STP/RSTP/MSTP, LACP/Link Aggregation, QoS, IGMP Snooping, Port Security, Storm Control, MAC Address Table, Loop Prevention and Port Mirroring. Security features: 802.1X, ACL, DHCP Snooping and equivalent network protection mechanisms. Management: SNMP, SSH, HTTPS/Web-based management and CLI. Shall support PoE connectivity and VLAN-based network connectivity for compatible Wireless Access Points. Power input: 100–240 VAC, 50/60 Hz. Suitable for 24/7 continuous operation. Minimum 1-year manufacturer warranty. Equipment shall be new, genuine and currently supported by the manufacturer.
20.	POE Switch 24 Port(SFP)	Nos	1	24 × 10/100/1000 Mbps RJ-45 PoE ports, supporting IEEE 802.3af/at (PoE/PoE+). Minimum 370 W PoE power budget, or as required by connected devices.

				4 × Gigabit SFP ports for fiber-optic uplinks. 4 × compatible 1G Single Mode SFP optical modules shall be provided, supporting 1310 nm wavelength, LC Duplex connector and minimum 2 km transmission distance, compatible with the offered switch and OS2 Single Mode fiber. Support 802.1Q VLAN, STP/RSTP/MSTP, LACP/Link Aggregation, QoS, IGMP Snooping, Port Security, Storm Control, MAC Address Table, Loop Prevention and Port Mirroring. Security features: 802.1X, ACL, DHCP Snooping and equivalent network protection mechanisms. Management: SNMP, SSH, HTTPS/Web-based management and CLI. Shall support PoE connectivity and VLAN-based network connectivity for compatible Wireless Access Points. Power input: 100–240 VAC, 50/60 Hz. Suitable for 24/7 continuous operation. Minimum 1-year manufacturer warranty. Equipment shall be new, genuine and currently supported by the manufacturer.
21.	Firewall	Nos	1	Firewall should be suitable for providing secure internet access, network segmentation, VPN connectivity, and advanced threat protection. The appliance shall provide multiple Gigabit Ethernet interfaces, including dedicated WAN/LAN

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				connectivity, and shall support FortiLink, VLANs, routing, NAT, DHCP, IPv4/IPv6, and policy-based traffic control. It shall provide integrated security functions including Next-Generation Firewall (NGFW), Intrusion Prevention System (IPS), Antivirus/Anti-Malware, Application Control, Web Filtering, DNS Filtering, SSL/TLS inspection, Anti-Botnet/C2 protection, and secure SD-WAN. The firewall shall support IPsec VPN and SSL VPN, with high-availability capabilities where applicable, and shall provide centralized logging, monitoring, reporting, and administration through FortiOS, HTTPS/GUI, CLI, and FortiManager/FortiAnalyzer integration. The appliance shall support 802.1Q VLAN, QoS, security policies, address objects, user authentication, LDAP/RADIUS integration, 802.1X, and multi-factor authentication through FortiToken. It shall provide hardware-accelerated security processing through FortiASIC technology and be suitable for 24/7 continuous operation. Minimum 1 year Warranty
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22.	UPS 1.5 Kva	Nos	4	Capacity: Minimum 1.5 kVA / 1.35 kW. Input: Single-phase, 220–240 VAC, 50 Hz. Output: Single-phase, pure sine wave, 220 VAC $\pm 1\%$ or better. Built-in AVR for voltage regulation. Output frequency: 50 Hz $\pm 1\%$ or better. UPS topology: Online double-conversion preferred for network/ICT equipment. Transfer time: 0 ms or seamless transfer. Overload, short-circuit, over-temperature and battery deep-discharge protection. LCD/LED display for input/output voltage, load, battery status and alarms. Suitable for 24/7 continuous operation. Minimum 1-year manufacturer warranty, including battery warranty as applicable.
23.	Network wifi Adapters for PCs	Nos	25	USB Dual-Band Wi-Fi Adapter Interface: USB 2.0/USB 3.0 Wi-Fi: IEEE 802.11a/b/g/n/ac/ax (Wi-Fi 6) or better Frequency: 2.4 GHz & 5 GHz Wireless Speed: Minimum 1200 Mbps Security: WPA2/WPA3 Compatibility: Windows 10/11 or better Antenna: Internal or external Plug & Play/Driver: Required

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				Warranty: Minimum 1 year
24.	Services	Job	1	Installation, OFC/ CAT 6 laying, ducting, splicing/termination, required civil works, testing, commissioning and complete end-to-end implementation.

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Annex “B”

Tender No:

1. Financial offer must be as per following formats: -

Ser	Equipment	Qty	Unit Cost Without Tax (Rs)	Unit Cost including Tax (Rs)	Unit Cost including Tax (Rs)	Offered Price
a.	Cat 6 Cable (As per actual)	355				
b.	I/O (As per actual)	18				
c.	RJ-45 Connector (As per actual)	1				
d.	Face Plate, Single Shutter (As per actual)	18				
e.	Patch Panel (loaded I/Os)	4				
f.	Ethernet Patch Cord (1m) (As per actual)	36				
g.	OFC Patch Cord SC-LC (3m)	5				

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h.	ODF 24P with Couplers	1				
i.	ODF 4P with Couplers	3				
j.	Cable Manager	4				
k.	Network Cabinet (9u) with PDU, fan & Lock	4				
l.	Duct Patti 16*16 (As per actual)	60				
m.	Duct Patti 16*25 (As per actual)	60				
n.	PVC Pipe (As per actual)	60				
o.	HDPE pipe 2" (As per actual)	1250				
p.	OFC 12Core (As per actual)	1250				
q.	OFC 4 Core (As per actual)	125				
r.	Access Point	15				
s.	POE Switch 8 Port(SFP)	4				
t.	POE Switch 24	1				

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	Port(SFP)					
u.	Firewall	1				
v.	UPS 1.5 Kva	4				
w.	Network wifi Adopters for PCs	25				
x.	Services	1				

Note

- a. Price is required to be quoted on **FOR Rawalpindi Basis**, which must include delivery, installation charges and all taxes / duties. Brochure / manufacture specifications (in original) must be attached
- b. Firm must submit their financial offer as per above mentioned schedule to tender otherwise offer will be rejected.

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