



TENDER DOCUMENTS

Establishment NUTECH Labs and Local Area Network

NUTECH/SCM/Estb of Labs and LAN-2019/TD-047

NATIONAL UNIVERSITY OF TECHNOLOGY

TENDER NOTICE

National University of Technology (NUTECH)

NUTECH/SCM/Estb of Labs and LAN-2019/TD-047

Sealed bids are invited from Government / FBR Registered Firms for the procurement for Establishment of NUTECH Labs and Local Area Network.

1. Tender documents containing terms & conditions and detailed specifications of items can be downloaded from NUTECH website "<https://nutech.edu.pk/d-p.php>" w.e f **11 March 2019**.
2. Quotations shall be submitted as per requirement of the tender documents.
3. Bidders will be required to submit bank draft/PO equal to 5% of quoted value as Bid Bond in favor of National University of Technology (NUTECH).
4. Sealed bids with detailed specification should reach on the following address latest by **1030 hours on 29 March 2019**. Late submission will not be entertained.
5. Bids will be opened at **1100 hours on 29 March 2019 at SCM Office**.
6. Project is to be completed in 30 days from the date of award of contract.
7. Submit Rs 1500/- as Tender fee in favour of NUTECH HBL account: **NUTECH Tendering and contracts, 5037-7 000210755**. Please attach bank receipt with technical offer. Offers will not be entertained without payment of processing fee.

Deputy Director (Supply Chain Management Office)
NATIONAL UNIVERSITY OF TECHNOLOGY (NUTECH) UPROAD,SECI-12,
ISLAMABAD
Tel: 0092-51-5476768, Ext :178



NATIONAL UNIVERSITY OF TECHNOLOGY

SUPPLY CHAIN MANAGEMENT OFFICE

INVITATION TO TENDER

Submission Date/Time 29 Mar 2019 at 1030 hours

1. NUTECH desires to procure the list of item(s)/Store(s) as per **Annexure-A**. Interested bidders are requested to send their bids through courier or deliver at NUTECH under two separate sealed envelopes (placed together in third envelope), marked clearly, "**Technical Offer**" and "**Commercial Offer**", respectively to the undersigned, latest by or before above mentioned due date. If due to any unforeseen circumstances, NUTECH establishment remains closed, then the last date of submission will be extended to next working day.

2. Please also note that Technical Offer should contain only Annexes-A & B duly filled in (supported with relevant technical literature /details/ catalogues etc) and receipt of tender processing fee. Commercial Offer will contain Annexure-C and bid bond (Dully mentioned and placed in separate envelop). Please ensure no space is left blank in the annexes.

3. Following must be noted for this IT (Invitation to Tender):-

- a. 2 x copies of technical offer are to be provided.
- b. Annexes A, B and C must be signed and stamped. Attach only relevant documents.
- c. Please complete all document as per given format. Do not use your format or letter head. Offer may be rejected if given format is not followed.
- d. Validity of offer will be 90 days.
- e. Delivery period will be 30 days from the date of award of contract.
- f. The firm should provide point to point acceptance of each clause of IT and special instructions attached with IT.
- g. Quote firm will render a certificate with technical offer that firm is neither defaulter nor blacklisted by any Government / Semi Government organization directly or indirectly.
- h. Tender(s) must be accompanied with a Bid Bond in agreement of faithful compliance of the conditions of Contract/Purchase Order. This amount will be equivalent to 5% of the total quoted value. In case of non-acceptance of any offer, the Bid Bond will be returned to the bidder by fastest possible means. The Bid Bond amount submitted by the successful bidder

will however be refunded on effective termination of Contract/ Purchase Order. (The Bid Bond will be forfeited in case of default by the bidder from his commitments made through his offer). Submission of Bid Bond is mandatory; otherwise your offer will be rejected.

- i. 2 years warranty against 5% bank guarantee will be required from the successful bidders from the date of commissioning.
- j. Rates should be quoted on Free Delivery basis at NUTECH Islamabad.

4. We reserve the rights to accept or reject any or all tenders as a whole or in part without assigning any reason whatsoever. The decision in this regard will be firm, final and binding on all bidders.

DD (Supply Chain Management)



NATIONAL UNIVERSITY OF TECHNOLOGY
SUPPLY CHAIN MANAGEMENT OFFICE
TECHNICAL OFFER

Annex A

User Reference No **NUTECH/SCM/ESTB of Labs and LAN-2019/TD-044**
 Date: 21-**02-2019**

Technical Specification

Ser	Items	Description	Country of Origin	A/U	Qty Req	Bidder Compliance		Tech Scrutiny to be done by user	
						Yes	No	Accepted	Rejected
								Reason of Rejection	
1	Firewall	High Throughput and low latency, high port density, granular control, Traffic control, Qos, VPN, Application Control, Web Filtering, Sandstorm Protection, IPS, IDS, Email Protection, Mobile Security, Stateful packet inspection, DPI capability, Management Software 3 years of License with all accessories.	USA	No's	1				
2	Distribution Switches	Cisco 3850-24S-S, POE, 2x 10 G Module Network Module, 10G Base SFP Module Enterprise Class, 1x 1G SFP, Energy efficient, dual redundant modular power supplies with all accessories	USA	No's	2				
3	Access Switches (48 Port)	Cisco WS-C2960X-48PS-LL, POE, 24 Port GigE with POE 4x 1G SFP, LAN Lite with all accessories	USA	No's	5				
4	Access Switches (24 Port)	Cisco WS-C2960X-24PS-LL, POE, 24 Port GigE with POE 4x 1G SFP, LAN Lite with all accessories	USA	No's	5				
5	Wireless Controller	AIR-AP-1832I-C-K9 802.11ac Wave 2; 3x3:2SS, Int Ant, C Reg Domain, Energy	USA	No's	1				

		Efficient with all accessories						
6	Wireless Access Points	AIR-AP-1832I-C-K9 802.11ac Wave 2; 3x3:2SS, Int Ant, C Reg Domain, Energy Efficient with all accessories	USA	No's	30			
7	Fiber Optics Media Converter	Fiber Media Converter - 100Base-BX, WDM SC, 30km, 1310T / 1550R	EU, USA, Japan	No's	8 ST 8 SC			
8	Single Mode with ST connector	Style ST/PC Bore Phi 125 + 1/-0 micro meter Concentricity 1 micro meter Ferrule Phi 2.5 mm, ceramic Included Boot phi 3.0 mm	EU, USA, Japan	No's	8			
9	Multi-mode ST & SC connector	Fiber Optic Connector ST/PC Simplex Multimode (10 Pack) – Beyond tech	EU, USA, Japan	No's	4			
10	Fiber optic pigtail patch cords	Multi Mode 50 SC Simplex 900um Pigtail	EU, USA, Japan	No's	100 ST			
11	Fiber optic pigtail patch cords	Multi Mode 50 ST Simplex 900um Pigtail	EU, USA, Japan	No's	100 SC			
12	Router and ports	Compatible with LTE/HSPA+/HSUPA/HSDPA/UMTS/EVDO USB modems, tested in the field <ul style="list-style-type: none"> • Local wireless HD video sharing, with speeds up to 300Mbps • Easy one-touch wireless security encryption with the WPS button • Enjoy 3G/4G Wireless Sharing Tests in the Field-High Compatibility	EU, USA, Japan	No's	24			
13	Juniper Firewall 210 series	Model : SRX210	EU, USA, Japan	No's	4			
14	Ubiquiti Network Nano Stations	<ul style="list-style-type: none"> • Atheros SOC, MIPS 4KC, 180 MHz Processor • 16MB SDRAM, 4MB Flash Memory • 1 x 10/100 BASE-TX Ethernet Interface 13dBi Antenna	EU, USA, Japan	No's	10			
15	POE adapters	TRENDnet 16-Port Gigabit PoE+ Switch, 246 Watt PoE Budget, 32 Gbps Switching	EU, USA, Japan	No's	12			

		Capacity, Rack Mountable with Hardware Included, LED Indicators, Automatically Recognize PoE Cameras, Lifetime Protection, TPE-TG160G						
16	Network Analyzer Fluke Network	Fluke Networks OPVXG-EXPT Optiview Xg Network Analysis Tablet 10GB Wireless O	EU, USA, Japan	No's	10			
17	Fiber optic Splicing Machine	Size 20.5*14*11.5cm/8.1*5.5*4.5in Optical Fiber Fusion Splicer Model A-81S Display 5 Inches TFT color LCD display	EU, USA, Japan, China	No's	24			
18	Layer 1,2 Connectivity Ethernet cable	Sets of three cables 3 Feet 1 10 Feet 3.05 15 Feet 4.5	EU, USA, Japan, China	No's	24 each			
19	Layer 2 switches (8 port, 16 port, 24 port)	Cisco System Inc.	EU, USA, Japan, China	No's	5			
20	Crimping tool / punching tool	Standard	EU, USA, Japan	No's	8			
21	RJ 45 connectors	Black Copper Rj-45 Connector Cat-6 (100 Pcs) Cat6 RJ45 plug with Load Bar	EU, USA, Japan, China	No's	1500			

Special Instructions

Establishment of NUTECH Labs and Local Area Network. - NUTECH

Description	Bidder			Tech Scrutiny to be done by User		
	Yes	No	Alternate Offer	Accepted	Rejected	Reasons of Rejection
Training & Certification. Training & Certification of the IT Support Staff						
Installation/Commissioning a. Commissioning of the equipment (Software & Hardware) will be carried out by OEM rep at his own cost and risk at designated place at NUTECH. b. Any Special requirement must be specified in the offer by the supplier.						
Standard & Compliance. Bidder must submit specification compliance in their bids, non-compliance (if any) against the product specification and general terms & conditions of the tender will lead to the disqualification of the bidder.						
Support Services a. 24x7x365 Support Services including public holidays. b. Suppliers to have in-country spares/Technical support and ensure spares and technical support/Assistance for next 2 years.						
Warranty Period a. 2 Years Comprehensive warranty for all items. b. A Warranty sticker is to be pasted on each item by the supplier/ OEM highlighting name of Firm, Contract No and Date, Description of Store and warranty validity.						
Training Notes. Supplier will provide a set of handouts for training on operation and maintenance of the software						
Physical Inspection Criteria <ul style="list-style-type: none"> • 100% Physical inspection of store will be carried out before commissioning of the equipment for following details <ol style="list-style-type: none"> a. For physical damage, scratches and deformity. b. Accessories/ Components as per contractual Specifications c. Technical manuals (Operation manual, user guide). d. OEM certificate and verifiable documents by the supplier that store has been procured from the certified source and is factory new and from latest production. e. Brand name and country origin. 						

<p>Liability of Supplier</p> <p>a. OEM certificate of authorized dealership. Supplier is to provide original OEM certificate of subject equipment bought directly from the manufacturer and being an authorized dealer.</p> <p>b. In Case the equipment supplied is not compatible with specifications, the supplier will be obliged to call his representatives at his own cost for consultation and corrective action</p>						
<p>Special Notes</p> <p>a. Additional requirements for the maintenance of equipment (if any) must be intimated by the supplier in technical offer.</p> <p>b. Supplier must provide the list of organizations using same equipment in Pakistan (if any).</p> <p>c. Equipment must be a standard product of OEM available at web address of OEM.</p> <p>d. In case of premature failure of the equipment, OEM has to replace / rectify the item free of cost. Required transportation charges would be borne by the supplier.</p> <p>e. Manufacturer Authorization Form (MAF) in the name of NUTECH University by the Principal / OEM must be provided (Mandatory).</p> <p>f. Contract will be awarded on Package deal basis.</p> <p>g. In technical proposal, all items must have brand names, model number, manufacturer's name, country of origin, manufacturer warranty including parts with complete specs and brochures. Re-conditioned and re-furbished equipment shall not be accepted.</p>						
<p>Publications</p> <ul style="list-style-type: none"> • Operational manual Qty 01 with software and additional Qty 02 for record purpose and should consist of following sections <ul style="list-style-type: none"> a. Description/Operation b. Servicing c. Maintenance Operations d. Removal / Installation procedure e. Trouble shooting guide 						

Firm Name _____ Signature _____ Name _____ Designation _____



NATIONAL UNIVERSITY OF TECHNOLOGY
SUPPLY CHAIN MANAGEMENT OFFICE

TECHNICAL OFFER

Annex B

User Reference No **NUTECH/SCM/ESTB of Labs and LAN-2019/TD-044**

Date: 21-**02-2019**

Please fill in the following essential parameters:

1. Validity of Offer: _____ Days (Should not be less than 90 days)
2. Delivery Period: _____ Days (After Placement of order)
3. Country of Origin: _____
4. Warranty/Guarantee: _____ Months from the date of final acceptance of the stores.

General

GST No: _____ (Please enclose copy)

NTN/CNIC: _____ (if exempted, please provide valid exemption certificate)

Payment Terms:

1. 50 % advance payment (Against valid bank Guarantee)
2. 50% Payment after delivery, installation /commissioning, user satisfaction certificate

Details of Payment Recipient

(1) Name/Title: _____

(2) Address: _____

Signature: _____

Official Seal: _____

Name: _____

Designation: _____



NATIONAL UNIVERSITY OF TECHNOLOGY
SUPPLY CHAIN MANAGEMENT OFFICE

FINANCIAL OFFER

Annex C

User Reference No **NUTECH/SCM/ESTB of Labs and LAN-2019/TD-044**

Date: **21-02-2019**

Ser	Items	Description	A/U	Qty Req	Unit Price (Rs) (excluding GST)	GST (if applicable)	Total gross price per unit (Rs)	Total Gross Price of total Qty (Rs)
1	Firewall	High Throughput and low latency, high port density, granular control, Traffic control, Qos, VPN, Application Control, Web Filtering, Sandstorm Protection, IPS, IDS, Email Protection, Mobile Security, Stateful packet inspection, DPI capability, Management Software 3 years of License with all accessories.	No's	1				
2	Distribution Switches	Cisco 3850-24S-S, POE, 2x 10 G Module Network Module, 10G Base SFP Module Enterprise Class, 1x 1G SFP, Energy efficient, dual redundant modular power supplies with all accessories	No's	2				
3	Access Switches (48 Port)	Cisco WS-C2960X-48PS-LL, POE, 24 Port GigE with POE 4x 1G SFP, LAN Lite with all accessories	No's	5				
4	Access Switches (24 Port)	Cisco WS-C2960X-24PS-LL, POE, 24 Port GigE with POE 4x 1G SFP, LAN Lite with all accessories	No's	5				
5	Wireless Controller	AIR-AP-1832I-C-K9 802.11ac Wave 2; 3x3:2SS, Int Ant, C Reg Domain, Energy Efficient with all accessories	No's	1				
6	Wireless	AIR-AP-1832I-C-K9 802.11ac Wave 2;	No's	30				

	Access Points	3x3:2SS, Int Ant, C Reg Domain, Energy Efficient with all accessories						
7	Fiber Optics Media Converter	Fiber Media Converter - 100Base-BX, WDM SC, 30km, 1310T / 1550R	No's	8 ST 8 SC				
8	Single Mode with ST connector	Style ST/PC Bore Phi 125 + 1/-0 micro meter Concentricity 1 micro meter Ferrule Phi 2.5 mm, ceramic Included Boot phi 3.0 mm	No's	8				
9	Multi-mode ST & SC connector	Fiber Optic Connector ST/PC Simplex Multimode (10 Pack) – Beyond tech	No's	4				
10	Fiber optic pigtail patch cords	Multi Mode 50 SC Simplex 900um Pigtail	No's	100 ST				
11	Fiber optic pigtail patch cords	Multi Mode 50 ST Simplex 900um Pigtail	No's	100 SC				
12	Router and ports	Compatible with LTE/HSPA+/HSUPA/HSDPA/UMTS/E VDO USB modems, tested in the field <ul style="list-style-type: none"> Local wireless HD video sharing, with speeds up to 300Mbps Easy one-touch wireless security encryption with the WPS button Enjoy 3G/4G Wireless Sharing Tests in the Field-High Compatibility	No's	24				
13	Juniper Firewall 210 series	Model : SRX210	No's	4				
14	Ubiquity Network Nano Stations	<ul style="list-style-type: none"> Atheros SOC, MIPS 4KC, 180 MHz Processor 16MB SDRAM, 4MB Flash Memory 1 x 10/100 BASE-TX Ethernet Interface 13dBi Antenna	No's	10				
15	POE adapters	TRENDnet 16-Port Gigabit PoE+ Switch, 246 Watt PoE Budget, 32 Gbps Switching Capacity, Rack Mountable with Hardware Included,	No's	12				

		LED Indicators, Automatically Recognize PoE Cameras, Lifetime Protection, TPE-TG160G						
16	Network Analyzer Fluke Network	Fluke Networks OPVXG-EXPT Optiview Xg Network Analysis Tablet 10GB Wireless O	No's	10				
17	Fiber optic Splicing Machine	Size 20.5*14*11.5cm/8.1*5.5*4.5in Optical Fiber Fusion Splicer Model A-81S Display 5 Inches TFT color LCD display	No's	24				
18	Layer 1,2 Connectivity Ethernet cable	Sets of three cables 3 Feet 1 10 Feet 3.05 15 Feet 4.5	No's	24 each				
19	Layer 2 switches (8 port, 16 port, 24 port)	Cisco System Inc.	No's	5				
20	Crimping tool / punching tool	Standard	No's	8				
21	RJ 45 connectors	Black Copper Rj-45 Connector Cat-6 (100 Pcs) Cat6 RJ45 plug with Load Bar	No's	1500				
				Total				

Bid Bond Ref _____ GST _____

Total Gross Value of total Quantity _____

Firm Name _____
Signature _____
Name _____
Designation _____

**Bid Bond to be attached with Annex C. Copy of Bid Bond be attached with

Technical offer without showing its value. Exposure of bid bond may result in rejection of offer.