

TENDER DOCUMENTS Estb of Labs and expansion of LAN NUTECH/SCM/ Estb of Labs and LAN -2019/TD-064

NATIONAL UNIVERSITY OF TECHNOLOGY

TENDER NOTICE

National University of Technology (NUTECH)

NUTECH/SCM/ Estb of Labs and LAN -2019/TD-064

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

Sealed bids are invited from Government / FBR Registered Firms for the Establishment of NUTECH Labs and expansion of LAN.

- 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 30 April 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 **1130 hours on 17 May 2019.** Late submission will not be entertained.
- 5. Bids will be opened at 1200 hours on 17 May 2019 at SCM Office.
- 6. Project is to be completed in 60 days from the date of award of contract.
- Submit Rs 1500/- as Tender fee in favour of NUTECH HBL account: <u>NUTECH Tendering and contracts</u>, 5037-7000210755. 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) JPROAD, SECI-12,
ISLAMABAD

Tel: 0092-51-5476768, Ext: 178



NATIONAL UNIVERSITY OF TECHNOLOGY SUPPLY CHAIN MANAGEMENT OFFICE

INVITATION TO TENDER

Submission Date/Time 17 May 2019 at 1130 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. 4 x copies of technical offer are to be provided.
 - b. Annexes A, B and C must be signed and stamped. Attach only relevant documents.
 - 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 60 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. 1 year warranty will be required from the successful bidders from the date of commissioning against performance bond bank guarantee.
- 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-064 Date: 30-04-2019

Technical Specification

| | | | LOT | <u>A</u> | | | | | |
|-----|-------------------|---|-----|-------------------|-----|----------------------|------------|-----------|------------------------|
| Ser | Items | Description | A/U | Country of Origin | Qty | Bidder Compliance | | | itiny to be by user |
| | | | | | | Yes | No/alt | Accepted | Rejected |
| | | | | | | | ernat e | Reason of | Rejection |
| 1. | Fortinet Firewall | Fortinet_600E (FG-600E-BDL-950-36), Hardware plus 24x7 FortiCare and FortiGuard Unified (UTM) Protection with 3 years license, dual power supply, SFPs (short range) for all optical Interfaces, with all accessories | No. | European / USA | 1 | | | | |
| 2. | Forti Analyzer | FortiAnalyzer 200F (FAZ-200F), Centralized log & analysis appliance, 2 x GE RJ45, 4TB storage, up to 100GB/Day of logs, 24x7 FortiCare Contract with 3 years license, will all accessories. | No. | European / USA | 1 | | | | |

| 3. | Juniper Firewall | SRX4100 Services Gateway includes hardware (8x10GE, two AC PSU, four FAN Trays, cables and RMK) and Junos Software Base (Firewall, NAT, IPSec, Routing, MPLS, Dual power supply) 8x SRX-SFP-10GE-SR 2x SRX-SFP-10GE-LR 1x PAR-ND-SRX4100JB 1x SRX4100-CS-BUN-3 | No. | European /USA | 1 | | |
|----|--|--|------------|------------------|---|--|--|
| 4. | JUNOS Space Director | 1x JA2500-A-BSE 1x JS-PLT-SING 1x JS-SECDIR-5 1x JS-LOGDIRECTOR-500 1x PAR-ND-JA2500BSE 1x PAR-SWA-JS-LD-500 1x PAR-SWA-JS-PLT-SIN 1x PAR-SWA-JS-SD-05 | No. | European /USA | 1 | | |
| 5. | Sophos XG210 Firewall Enterprise Protect | Sophos XG 210 appliance and enterprise guard subscription for 3 years, 10 GbE SFP+ Flexi Port Module (With 10G short range SFPs), with all accessories | No. | European /USA | 1 | | |
| | | | LOT | <u>B</u> | | | |
| 1. | Distribution Switch | Model: WS-C3850-24S-S 2x CON-SSSNT-WSC3854S, 2x S3850UK9-166, 2x C3850-NM-2-10G, 2x PWR-C1-350WAC/2, 4x CAB-TA-UK, 2x STACK-T1-50CM, 2x CAB-SPWR-30CM, 2x C3850-24-L-S, 2x PWR-C1-350WAC, | No. | European /USA | 2 | | |

| | | 10x SFP-10G-LR-S= | | | | | | - |
|----|---------------------|--|-----|------------|----|--|--|---|
| | | 15x GLC-LH-SMD= | | | | | | |
| | | with all accessories | | | | | | |
| | | including 5x usb to serial | | | | | | |
| | | cables | | | | | | |
| | Data Centre Switch | WS-C3850-24XS-S | | | | | | |
| | | 2x CON-SSSNT-WSCX3852 | | | | | | |
| | | 2x S3850UK9-166 | | | | | | |
| | | 4x CAB-TA-EU | | | | | | |
| | | 2x STACK-T1-50CM | | European | 2 | | | |
| 2. | | 2x CAB-SPWR-30CM | No. | /USA | 2 | | | |
| | | 2x PWR-C1-715WAC | | | | | | |
| | | 2x C3850-NM-BLANK | | | | | | |
| | | 2x PWR-C1-715WAC/2 | | | | | | |
| | | 36x SFP-10G-SR= | | | | | | |
| | Access Switch 48P | Model: WS-C2960L-48PS-LL | | | | | | |
| | | 5x CON-SNT-WSC296PL, | | _ , | | | | |
| 3. | | 5x CAB-ACU | No. | European / | 5 | | | |
| | | 15x GLC-LH-SMD= | | USA | | | | |
| | | with all accessories | | | | | | |
| | Access Switch 24P | Model: WS-C2960L-24PS-LL | | | | | | |
| | | 10x CON-SNT-WSC2964P | | European / | 10 | | | |
| 4. | | 10x CAB-ACU | No. | USA | 10 | | | |
| | | with all accessories | | | | | | |
| | Wireless Controller | Model: AIR-CT5520-K9 | | | | | | |
| | | 1x CON-SSSNT-AIRT5520, | | | | | | |
| | | 2x CAB-9K10A-UK, | | | | | | |
| | | 1x AIR-CT5520-SW-8.2, | | | | | | |
| | | 1x AIR-BZL-C220M4, | | | | | | |
| | | 4x AIR-MR-1X081RV-A, | | European / | | | | |
| 5. | | 1x AIR-SD-32G-S, | No. | USA | 1 | | | |
| | | 1x AIR-TPM2-001, | | | | | | |
| | | 2x AIR-PSU1-770W, | | | | | | |
| | | 1x AIR-CPU-E52609D, 1x AIR-CT6870-NIC-K9, | | | | | | |
| | | 1x AIR-C18870-NIC-R9, | | | | | | |
| | | 1x AIR-PSU-BLKP1U, | | | | | | |

| | | 1x LIC-CT5520-UPG, | | | | | |
|-----|---|--|------|-------------------|-----|--|--|
| | | 1x CON-ECMU-LICGT552, | | | | | |
| | | | | | | | |
| | | 30x LIC-CT5520-1A, | | | | | |
| | | 30x CON-ECMU-LICT5520, | | | | | |
| | | 30x LIC-CT5520-DTLS-K9 | | | | | |
| | | 4x SFP-10G-SR-S= | | | | | |
| | | with all accessories, | | | | | |
| | Wireless Access Points | Model: AIR-AP1832I-C-K9 | | | | | |
| | | 40x CON-SNT-AIR32ICK, | | | | | |
| | | 40x SW1830-CAPWAP-K9, | | European / | | | |
| 6. | | 40x AIR-AP-BRACKET-1, | No. | USA | 40 | | |
| | | 40x AIR-AP-T-RAIL-R, | | 05/1 | | | |
| | | with all accessories | | | | | |
| | Out of Ethan Batala Conductor | including power adaptors | | | | | |
| | Optical Fiber Patch Cords SC- LC SMF | SC-LC single mode 5 | | | | | |
| 7. | LC SIVIF | meter long fiber patch cords, duplex, 1 to 10G | No. | European / USA | 20 | | |
| | | supported | | USA | | | |
| | Optical Fiber Patch Cords LC- | LC-LC single mode 5 meter | | | | | |
| | LC SMF | long fiber patch cords, | | European / | | | |
| 8. | | duplex, 1 to 10G | No. | USA | 20 | | |
| | | supported | | | | | |
| | Optical Fiber Patch Cords LC- | LC-LC multimode 5 meter | | | | | |
| 9. | LC MMF | long fiber patch cords, | No. | European / | 20 | | |
| J. | | duplex, 1 to 10G | 140. | USA | 20 | | |
| | | supported | | | | | |
| 1.0 | Optical Fiber Patch Cords LC- | LC-LC multimode 10 meter | | European / | | | |
| 10. | LC MMF | long fiber patch cords, | No. | USA | 40 | | |
| | UTP CAT6 Patch Cords | duplex, 10G supported UTP CAT6 patch cords, 1 | | European / | | | |
| 11. | OTP CATO PALCIT COIUS | meter long | No. | USA | 300 | | |
| 12. | Network Cabinet 9U | Network Cabinet 9U | No. | European / USA | 5 | | |
| | | PWR-C1-350WAC= | | European / | | | |
| 13. | Spares | I MM-CT-220MMC- | No. | USA | 2 | | |
| 13. | Spares | C9K-PWR-650WAC-R= | No. | European / USA | 2 | | |

| | | AIR-PWR-C= | No. | European / USA | 25 | | |
|-----|---|---|-----|-------------------|-----|--|--|
| 14. | Network Nodes | Cable laying in ceiling or duct and termination of network nodes with required CAT6 UTP cable, patch panels, cable managers, face plates, RJ45 connectors and ducts. (45x Hostel, 21x DC, 42x Library, 5x VERYSYS, 16x PMO, 16x Admin, 15x Software Hall, 33x Academic Block level 4 & 5, 107x Backup Surveillance (110x surveillance, 36x NSDD, 20x Digital Signage) | No. | European / USA | 300 | | |
| 15. | Testing | Installation of network equipment on site, testing & commissioning of complete System. | Job | | 1 | | |
| | | | LOT | С | | | |
| 1 | Fiber Optics Media Converter Single Mode with SC Connector | Fiber Type: Multimode and Single mode Maximum Transfer | No. | USA | 2 | | |
| | Fiber Optics Media Converter Single Mode with ST Connector | Distance: 2km Wavelength: 1310nm Connector A: SC and ST | | | 2 | | |
| | Fiber Optics Media Converter Multimode Mode with SC Connector | Female Connector B: RJ-45 | | | 2 | | |
| | Fiber Optics Media Converter Multimode Mode with ST Connector | Female Max Data Transfer Rate: 10/100 Megabit per second | | | 2 | | |
| 2 | Fiber optic pigtail patch Cords | Single mode 50 SC Simplex 900um Pigtail (5 | No. | Any Country | 50 | | |

| | | Meter) | | | | | |
|---|---------------------------------|--|-----|----------------|----|--|--|
| 3 | Fiber optic pigtail patch cords | Single mode 50 ST Simplex 900um Pigtail (5 Meter) | No. | Any Country | 50 | | |
| 4 | Fiber optic pigtail patch cords | Multimode 50 SC Simplex 900um Pigtail (5 Meter) | No. | Any Country | 50 | | |
| 5 | Fiber optic pigtail patch cords | Multimode 50 ST Simplex 900um Pigtail (5 Meter) | No | Any Country | 50 | | |
| 6 | Router | Compatible /HSPA+/HSUPA/UMTS/E VD USB modems. (8 Ports) | No | USA / EU | 5 | | |
| 7 | Firewall | Two 10/100/1000 Ethernet and 6 10/100 Ethernet LAN ports, 1 Mini-PIM slot, and 2 USB ports (support for 3G USB)• Factory option of 4 dynamic Power over Ethernet (PoE) ports 802.3af• Support for T1/E1, serial, ADSL/2/2+, VDSL, G.SHDSL, and Ethernet small form-factor pluggable transceiver (SFP)• Content Security Accelerator hardware for faster performance of IPS and ExpressAV (with high memory version)• Full UTM1; antivirus1, antispam1, enhanced Web filtering1, and content filtering• Intrusion prevention system1, User role-based | No | USA / EU | 4 | | |

| 8 | Ubiquity Network Nano Stations | firewall, and AppSecure1• 2 GB DRAM, 2 GB flash default Atheros SOC, MIPS 4KC, 180 MHz Processor, 16MB SDRAM, 4MB Flash Memory, 1x 10/100 BASE- TX Ethernet Interface 13dB | | USA | 10 | | | |
|----|--|---|----|----------------|-------------|--|--|--|
| 9 | Cable Tester | Cable type: Coaxial, RJ11, RJ45 Test Type: Ethernet Port Test, Length, POE Detection Max Cable length: 1500Ft Tone: Yes Display Type: LCD Power Source: Battery Battery Type: AA Battery Life: 20h Dimensions: 163 x 76 x 36mm Length: 163mm Height: 36mm Max Op Temp: +45 degree C Min Op Temp: 0 degree C Width: 76mm | No | USA | 1 | | | |
| 10 | Fiber Optics Splicing Machine | Size: 20.5x14x11.5cm, Optical Fiber Fusion. 5 Inches Display; TFT color LCD display | No | USA | 2 | | | |
| 11 | Layer 1,2 Connectivity Ethernet Cable | Three sets 3 meter 10 meter 15 meter | No | Any Country | 24 each set | | | |

| 12 | Layer 2 switches (8,16,24 ports) | Should include WS- C2960G-8TC-L C2960L-16TS-LL C2960L-24TS-LL | No | USA | 5x 8 ports 2x 16 ports 1x 24 ports | | | |
|----|----------------------------------|---|----|----------------|--|--|--|--|
| 13 | Crimping Tool/ Punching Tool | Standard EU | No | Any Country | 5 | | | |
| 14 | RJ 45 Connectors | Black copper Rj-45 Connector Cat-6, Cat-6 RJ45 plug with Load Bar | No | Any Country | 500 | | | |

| | | General Conditions | | | | | | | |
|----|---|--|-----|----|--------------------|----------|----------|---------------------|--|
| | Bidder Tech Scrutiny to be done by User | | | | | | | | |
| | | Description | Yes | No | Alternate Offer | Accepted | Rejected | Reason of Rejection | |
| 1. | LOT | a. Each LOT is packaged deal except LOT A (LOT A is open for all) b. Any firm participating must provide all items mentioned in LOT B or C, However a firm can participate in all or any. | | | | | | | |
| 2. | Operations Training | a. Trainings & Certifications of NUTECH IT Support Staff | | | | | | | |
| 3. | Installation and 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. Special requirements must be specified in offer by supplier. | | | | | | | |
| 4. | Support Services | a. 24x7x365 Support Services including public holidays b. Suppliers to have in-country spares/Technical support & ensure spares & technical support/Assistance for 3 years. c. Software upgrade support must be provided free of cost for 3 years with renewed license at every upgrade. | | | | | | | |
| 5. | 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. | | | | | | | |
| 6 | Evaluation Criteria (For Lot B only) | Technical Criteria: a. Presence of OEMs in Pakistan (15 marks) b. Offices of supplier in 3 major cities of Pakistan | | | | | | | |

| c. d. e. | (5 marks) Offices of primary OEM in 3 major cities of Pakistan (7 marks) Stock holding for warranty claims for NUTECH at primary OEM's depot, [written declaration required by OEM]. (13 marks) Relevant experience of supplier in deployments of same scale in education sector: i. 1 deployment (5 marks) ii. 2 deployments (10 marks) iii. 4 deployments (20 marks) HR strength of supplier: i. 1 PMP, 1 CCIE (Networks), 1 ITIL Master (10 marks) ii. 1 PMP, 1 CCIE (Networks), 1 CCIE (Security), 1 ITIL Expert, 1 ITIL Intermediate (20 marks) iii. 1 PMP, 2 CCIE (Networks), 2 CCIE (Security), 1 ITIL Expert, 1 ITIL Intermediate (30 marks) iv. 2 PMP, 2 CCIE (Networks), 2 CCIE (Security), 1 ITIL Expert, 2 ITIL Intermediate (40 marks) iv. 2 PMP, 2 CCIE (Networks), 2 CCIE (Security), 1 ITIL Expert, 2 ITIL Intermediate (40 marks) is Criteria: ightage will be given to lowest prices quoted. |
|------------------------------|--|
| ng Methodology ot B only) • | Marking of the firms shall be based on information provided in Technical & Financial Evaluation Criteria. Proposals will be marked on the basis of 85 – 15 i.e. 85% of the proposal strength will be measured in Technical marking and 15% of the proposal strength will be measured in Financial marking. Score strength of the technical proposal will be evaluated/calculated through the below mentioned formula: Bidder A technical score |

| | | Minimum score of 60 specified in "TECHNICAL EVALUATION CRITERIA" will be required to qualify for Financial Score Evaluation. Bidders acquiring less than 60 marks in the technical evaluation will not be considered for participation/calculation towards accumulative marking of the bid. Score strength of the financial proposal will be evaluated/calculated through the below mentioned formula: | ON CRITERIA" will be required to qualify for core Evaluation. quiring less than 60 marks in the technical will not be considered for participation/ a towards accumulative marking of the bid. In the financial proposal will be | |
|-----|------------------------------------|--|--|--|
| | | Price of lowest bidder X 15% Bidder A price | X 15% | |
| | | Marks obtained in both technical and financial evaluation will be added to arrive at the combined evaluated score. | ained in both technical and financial will be added to arrive at the combined | |
| | | Bidder acquiring overall highest marks in the combined evaluation will be considered the lowest evaluated bidder. | verall highest marks in the combined considered the lowest evaluated bidder. | |
| 8. | Warranty Period | a. 1 Years Comprehensive warranty of all items from the date of commissioning. | · | |
| | | 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. | hlighting name of Firm, Contract No and | |
| 9. | Physical Inspection Criteria | 100% Physical inspection of store will be carried out before commissioning of the equipment for following details a. For physical damage, scratches and deformity. b. Accessories/ Components as per contractual Specifications Brand name and country origin. | the equipment for following details nage, scratches and deformity. nponents as per contractual Specifications | |
| 10. | Improvement and Safety Measures | Any improvement and safety measures suggested by NUTECH during commissioning are to be resolved by the supplier manufacturer at no extra cost. | ning are to be resolved by the supplier | |
| 11. | Liability of Supplier | a. Supplier is to provide original OEM certificate of subject equipment bought directly from the manufacturer and being an authorized dealer. 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 | tht directly from the manufacturer and zed dealer. The nent supplied is not compatible with supplier will be obliged to call his | |

| a. Additional requirements for the maintenance of equipment (if any) must be intimated by the supplier in technical offer. b. Supplier must provide the list of organizations using same equipment in Pakistan (if any). c. Equipment must be a standard product of OEM available at web address of OEM. 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. e. Interested parties can carry out site survey for LAN installation and active network design and deployment considerations. Manufacturer Authorization Form (MAF) in the name of NUTECH University by the Principal / OEM must be provided (Mandatory). | | | corrective action |
|---|-----|---------------|--|
| | 12. | Special Notes | a. Additional requirements for the maintenance of equipment (if any) must be intimated by the supplier in technical offer. b. Supplier must provide the list of organizations using same equipment in Pakistan (if any). c. Equipment must be a standard product of OEM available at web address of OEM. 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. e. Interested parties can carry out site survey for LAN installation and active network design and deployment considerations. Manufacturer Authorization Form (MAF) in the name of NUTECH University by the Principal / OEM must be provided |

| Instl/Assy/Commissioning Req | Yes | No | Contract with OEM/Supplier | Yes | No | | | |
|---|----------|--|-----------------------------------|-----|----------|--|--|--|
| Performance Bond Reg Yes No C | | Offer Req for Package Deal | Yes | No | | | | |
| Note: (If any) | | • | Warranty req and Duration | Yes | No | | | |
| List of "Additional Req may be" sent to procurement office, immediately | | | | | | | | |
| Maint Spare Req | Yes | No | Essentially Running spare req | Yes | No | | | |
| Pub/Lit Req | Yes | No | Req of Cert for test data results | Yes | No | | | |
| Trg Req | Local | Foreign | Req of Calibration | Yes | No | | | |
| Note: Tick relevant box | <u>.</u> | <u>. </u> | | • | <u> </u> | | | |

| Firm Name | |
|-------------|--|
| Signature | |
| Name | |
| Designation | |



NATIONAL UNIVERSITY OF TECHNOLOGY SUPPLY CHAIN MANAGEMENT OFFICE

TECHNICAL OFFER

Annex B

| | r Reference No <u>NUTECH/SCM/ E</u> ase fill in the following essentia | estb of Labs and LAN -2019/1D-064 | Date: 30-04-2019 |
|----------------------|---|--|--|
| 1. 2. 3. 4. | Delivery Period: | | (Should not be less than 90 days) (After Placement of order) acceptance of the stores. |
| Gen | <u>eral</u> | | |
| GST | No: | (Please enclose copy) | |
| NTN | I/CNIC: | (if exempted, please pro | ovide valid exemption certificate) |
| Pay | ment Terms: | | |
| | 50 % advance payment (Against v 50% Payment after delivery, insta | valid bank Guarantee) illation /commissioning, user satisfact | tion certificate |
| <u>Deta</u> | ails of Payment Recipient | | |
| (1) | Name/Title: | | |
| (2) | Address: | | |
| | | Sign | nature: |
| | | Offi | icial Seal: |
| | | Nar | me: |
| | | Des | signation: |



NATIONAL UNIVERSITY OF TECHNOLOGY SUPPLY CHAIN MANAGEMENT OFFICE

FINANCIAL OFFER

Annex C

User Reference No NUTECH/SCM/ Estb of Labs and LAN -2019/TD-064 Date: 30-04-2019

| Ser | Items | Description | A/U | Qty Req | Unit Price (Rs) (excluding taxes) | All taxes (If applicabl e) | Gross Unit Price incl all taxes(Rs) | Total amount for total qty (Rs) (Including all taxes) |
|-----|-------------------|---|-----|---------|-----------------------------------|--|--|---|
| | | | | LOT A | | | | |
| 1. | Fortinet Firewall | Fortinet_600E (FG-600E-BDL-950-36), Hardware plus 24x7 FortiCare and FortiGuard Unified (UTM) Protection with 3 years license, dual power supply, SFPs (short range) for all optical Interfaces, with all accessories | No. | 1 | | | | |
| 2. | Forti Analyzer | FortiAnalyzer 200F (FAZ-200F), Centralized log & analysis appliance, 2 x GE RJ45, 4TB storage, up to 100GB/Day of logs, 24x7 FortiCare Contract with 3 years license, will all accessories. | No. | 1 | | | | |
| 3. | Juniper Firewall | SRX4100 Services Gateway includes hardware (8x10GE, two AC PSU, four FAN Trays, cables and RMK) and Junos Software Base (Firewall, NAT, IPSec, Routing, MPLS, Dual power supply) | No. | 1 | | | | |

| | | 8x SRX-SFP-10GE-SR | | | | |
|----|-------------------------|--|-----|-------|--|--|
| | | 2x SRX-SFP-10GE-LR | | | | |
| | | 1x PAR-ND-SRX4100JB | | | | |
| | | | | | | |
| | ILINOS Space | 1x SRX4100-CS-BUN-3 1x JA2500-A-BSE | | | | |
| | JUNOS Space Director | | | | | |
| | Director | 1x JS-PLT-SING | | | | |
| | | 1x JS-SECDIR-5 | | | | |
| 4. | | 1x JS-LOGDIRECTOR-500 | No. | 1 | | |
| | | 1x PAR-ND-JA2500BSE | | | | |
| | | 1x PAR-SWA-JS-LD-500 | | | | |
| | | 1x PAR-SWA-JS-PLT-SIN | | | | |
| | | 1x PAR-SWA-JS-SD-05 | | | | |
| | Sophos XG210 | Sophos XG 210 appliance and | | | | |
| | Firewall | enterprise guard subscription for 3 | | | | |
| 5. | Enterprise | years, 10 GbE SFP+ Flexi Port | No. | 1 | | |
| | Protect | Module (With 10G short range | | | | |
| | | SFPs), with all accessories | | | | |
| | | | | LOT B | | |
| | Distribution | Model: WS-C3850-24S-S | | | | |
| | Switch | 2x CON-SSSNT-WSC3854S, | | | | |
| | | 2x S3850UK9-166, | | | | |
| | | 2x C3850-NM-2-10G, | | | | |
| | | 2x PWR-C1-350WAC/2, | | | | |
| | | 4x CAB-TA-UK, | | | | |
| 1. | | 2x STACK-T1-50CM, | No. | 2 | | |
| | | 2x CAB-SPWR-30CM, | | | | |
| | | 2x C3850-24-L-S, | | | | |
| | | 2x PWR-C1-350WAC, 10x SFP-10G-LR-S= | | | | |
| | | 10x SFP-10G-LR-S= 15x GLC-LH-SMD= | | | | |
| | | | | | | |
| | | with all accessories including 5x usb | | | | |
| | Data Centre | to serial cables WS-C3850-24XS-S | | | | |
| | Switch | | | | | |
| 2. | Switch | 2x CON-SSSNT-WSCX3852 | No. | 2 | | |
| | | 2x S3850UK9-166 | | | | |
| | | 4x CAB-TA-EU | | | | |

| | | 2. CTACK T1 FOCA | | | | |
|------|-----------------|--|------|-----|--|--|
| | | 2x STACK-T1-50CM | | | | |
| | | 2x CAB-SPWR-30CM | | | | |
| | | 2x PWR-C1-715WAC | | | | |
| | | 2x C3850-NM-BLANK | | | | |
| | | 2x PWR-C1-715WAC/2 | | | | |
| | | 36x SFP-10G-SR= | | | | |
| | Access Switch | Model: WS-C2960L-48PS-LL | | | | |
| | 48P | 5x CON-SNT-WSC296PL, | | | | |
| 3. | | 5x CAB-ACU | No. | 5 | | |
| | | 15x GLC-LH-SMD= | | | | |
| | | with all accessories | | | | |
| | Access Switch | Model: WS-C2960L-24PS-LL | | | | |
| | 24P | 10x CON-SNT-WSC2964P | | 1.0 | | |
| 4. | | 10x CAB-ACU | No. | 10 | | |
| | | with all accessories | | | | |
| | Wireless | Model: AIR-CT5520-K9 | | | | |
| | Controller | 1x CON-SSSNT-AIRT5520, | | | | |
| | | 2x CAB-9K10A-UK, | | | | |
| | | 1x AIR-CT5520-SW-8.2, | | | | |
| | | 1x AIR-BZL-C220M4, | | | | |
| | | 4x AIR-MR-1X081RV-A, | | | | |
| | | 1x AIR-SD-32G-S, | | | | |
| | | 1x AIR-TPM2-001, | | | | |
| | | 2x AIR-PSU1-770W, | | | | |
| 5. | | 1x AIR-CPU-E52609D, | No. | 1 | | |
|] 3. | | 1x AIR-CT6870-NIC-K9, | 110. | - | | |
| | | 1x AIR-SD240GBKS4-EV, | | | | |
| | | 1x AIR-PSU-BLKP1U, 1x LIC-CT5520-UPG, | | | | |
| | | 1x CON-ECMU-LICGT552, | | | | |
| | | 30x LIC-CT5520-1A, | | | | |
| | | 30x CON-ECMU-LICT5520, | | | | |
| | | 30x LIC-CT5520-DTLS-K9 | | | | |
| | | | | | | |
| | | 4x SFP-10G-SR-S= | | | | |
| | Minalage Access | with all accessories, | | | | |
| 6. | Wireless Access | Model: AIR-AP1832I-C-K9 | No. | 40 | | |
| | Points | 40x CON-SNT-AIR32ICK, | | | | |

| | 1 | 40C\A/4.020. CA.D\A/A.D. KO | | | | |
|-----|-----------------|--------------------------------------|------|-----|--|--|
| | | 40x SW1830-CAPWAP-K9, | | | | |
| | | 40x AIR-AP-BRACKET-1, | | | | |
| | | 40x AIR-AP-T-RAIL-R, | | | | |
| | | with all accessories including power | | | | |
| | | adaptors | | | | |
| | Optical Fiber | SC-LC single mode 5 meter long | | | | |
| 7. | Patch Cords SC- | fiber patch cords, duplex, 1 to 10G | No. | 20 | | |
| | LC SMF | supported | | | | |
| | Optical Fiber | LC-LC single mode 5 meter long | | | | |
| 8. | Patch Cords LC- | fiber patch cords, duplex, 1 to 10G | No. | 20 | | |
| | LC SMF | supported | | | | |
| | Optical Fiber | LC-LC multimode 5 meter long fiber | | | | |
| 9. | Patch Cords LC- | patch cords, duplex, 1 to 10G | No. | 20 | | |
| | LC MMF | supported | | | | |
| | Optical Fiber | LC-LC multimode 10 meter long | | | | |
| 10. | Patch Cords LC- | fiber patch cords, duplex, 10G | No. | 40 | | |
| | LC MMF | supported | | | | |
| 44 | UTP CAT6 Patch | UTP CAT6 patch cords, 1 meter | | 200 | | |
| 11. | Cords | long | No. | 300 | | |
| 42 | Network Cabinet | Network Cabinet 9U | N1 - | F | | |
| 12. | 9U | | No. | 5 | | |
| | | PWR-C1-350WAC= | No. | 2 | | |
| 13. | Spares | C9K-PWR-650WAC-R= | No. | 2 | | |
| | | AIR-PWR-C= | No. | 25 | | |
| 14. | Network Nodes | Cable laying in ceiling or duct and | | | | |
| | | termination of network nodes with | | | | |
| | | required CAT6 UTP cable, patch | | | | |
| | | panels, cable managers, face | | | | |
| | | plates, RJ45 connectors and ducts. | | | | |
| | | (45x Hostel, 21x DC, 42x Library, 5x | No. | 300 | | |
| | | VERYSYS, 16x PMO, 16x Admin, 15x | - | | | |
| | | Software Hall, 33x Academic Block | | | | |
| | | level 4 & 5, 107x Backup | | | | |
| | | Surveillance (110x surveillance, 36x | | | | |
| | | NSDD, 20x Digital Signage) | | | | |
| 1 | | I NODD, ZUX DIGILAI DIGITAGEI | | | | |
| 15. | Testing | | | | | |
| 15. | Testing | Installation of network equipment | Job | 1 | | |
| 15. | Testing | | Job | 1 | | |

| | | | | LOT C | | |
|---|---|---|------|-------|--|--|
| | Fiber Optics Media Converter Single Mode with SC Connector | Fiber Type: Multimode and Single mode Maximum Transfer Distance: 2km | | 2 | | |
| 1 | Fiber Optics Media Converter Single Mode with ST Connector | Wavelength: 1310nm Connector A: SC and ST Female | No. | 2 | | |
| 1 | Fiber Optics Media Converter Multimode Mode with SC Connector | Connector B: RJ-45 Female Max Data Transfer Rate: 10/100 Megabit per second | 140. | 2 | | |
| | Fiber Optics Media Converter Multimode Mode with ST Connector | | | 2 | | |
| 2 | Fiber optic pigtail patch Cords | Single mode 50 SC Simplex 900um Pigtail (5 Meter) | No. | 50 | | |
| 3 | Fiber optic pigtail patch cords | Single mode 50 ST Simplex 900um Pigtail (5 Meter) | No. | 50 | | |
| 4 | Fiber optic pigtail patch cords | Multimode 50 SC Simplex 900um Pigtail (5 Meter) | No. | 50 | | |
| 5 | Fiber optic pigtail patch cords | Multimode 50 ST Simplex 900um Pigtail (5 Meter) | | 50 | | |
| 6 | Router | Compatible /HSPA+/HSUPA/UMTS/EVD USB modems. (8 Ports) | | 5 | | |
| | | Two 10/100/1000 Ethernet and 6 10/100 Ethernet LAN ports, 1 Mini-PIM slot, and 2 USB ports (support for 3G USB)• | | | | |

| 7 | Firewall | Factory option of 4 dynamic Power over Ethernet (PoE) ports 802.3af • Support for T1/E1, serial, ADSL/2/2+, VDSL, G.SHDSL, and Ethernet small form-factor pluggable transceiver (SFP)• Content Security Accelerator hardware for faster performance of IPS and ExpressAV (with high memory version)• Full UTM1; antivirus1, antispam1, enhanced Web filtering1, and content filtering• Intrusion prevention system1, User role-based firewall, and AppSecure1• 2 GB DRAM, 2 GB flash default | 4 | | |
|---|--------------------------------------|--|----|--|--|
| 8 | Ubiquity Network Nano Stations | Atheros SOC, MIPS 4KC, 180 MHz Processor, 16MB SDRAM, 4MB Flash Memory, 1x 10/100 BASE- TX Ethernet Interface 13dB Antenna | 10 | | |
| 9 | Cable Tester | Cable type: Coaxial, RJ11, RJ45 Test Type: Ethernet Port Test, Length, POE Detection Max Cable length: 1500Ft Tone: Yes Display Type: LCD Power Source: Battery Battery Type: AA Battery Life: 20h Dimensions: 163 x 76 x 36mm Length: 163mm Height: 36mm Max Op Temp: +45 degree C | 1 | | |

| | | Min Op Temp: 0 degree C Width: 76mm | | | | |
|----|---|---|-------|-------------------------|--|--|
| 10 | Fiber Optics Splicing Machine | Size: 20.5x14x11.5cm, Optical Fiber Fusion. 5 Inches Display; TFT color LCD display | 2 | 2 | | |
| 11 | Layer 1,2 Connectivity Ethernet Cable | Three sets 3 meter 10 meter 15 meter | 24 ea | ch set | | |
| 12 | Layer 2 switches (8,16,24 ports) | Should include WS-C2960G- 8TC-L C2960L-16TS-LL C2960L-24TS-LL | | ports ports ports | | |
| 13 | Crimping Tool/ Punching Tool | Standard EU | | 5 | | |
| 14 | RJ 45 Connectors | Black copper Rj-45 Connector Cat-6, Cat-6 RJ45 plug with Load Bar | 50 | 00 | | |
| | | Total | , | | | |

| Bid Bond Ref | GST | |
|-------------------|-----|--|
| Total Gross Value | | |

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

| Firm Name | |
|-------------|--|
| Signature | |
| Name | |
| Designation | |
| | |

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