



TENDER DOCUMENTS

Procurement of IT Equipment

NUTECH / SCM /IT Equipment 2021 / TD-214

NATIONAL UNIVERSITY OF TECHNOLOGY

TENDER NOTICE**National University of Technology (NUTECH)****NUTECH / SCM / IT Equipment 2021 / TD-214**

1. Sealed bids are invited from Government / FBR Registered Firms for the procurement on **FOR Basis**.
2. Tender documents containing terms, conditions and detailed specifications of items (including draft contract) can be downloaded from NUTECH website "<https://nutech.edu.pk/downloads/procurement/scm-tenders/>" w.e.f **02 April 2021**.
3. Quotations shall be submitted as per requirement of the tender documents.
4. Bidders will be required to submit **Bank Draft / CDR** equal to **5%** of quoted value as Bid Bond in favor of National University of Technology (NUTECH).
5. Submit Rs 1500/- as Tender fee in favor of NUTECH HBL Account (**NUTECH Tendering and Contracts, 5037-7000210755**). Please attach bank receipt with technical offer. Offers will not be entertained without payment of processing fee.
6. Details for Submission & Opening of bids for tender are as under: -

Ser	Description	Submission	Tender Opening	Completion Days
a.	IT Equipment (TD-214)	1030 hrs on 19 Apr 2021	1100 hrs on 19 Apr 2021	60 Days

Deputy Director (Supply Chain Management)

NATIONAL UNIVERSITY OF TECHNOLOGY, JPROAD, I-12, ISLAMABAD

Tel: 0092-51-5476768, Ext: 278

NATIONAL UNIVERSITY OF TECHNOLOGY
SUPPLY CHAIN MANAGEMENT
INVITATION TO TENDER

Tender submission time: 1030 hrs on 19 April 2021

1. NUTECH desires to procure the list of item(s) / Store(s) on **FOR basis** as per **Annexure-A**. Interested bidders are requested to send their bids through courier or deliver at NUTECH under "Single Stage – Two Envelopes" (two envelopes placed together in third envelope), marked clearly as "**Technical Offer**" and "**Commercial Offer**" respectively to the undersigned, latest by or before above mentioned due date.

2. **Conditions Governing Contracts.** The contract made as result of this IT will be in accordance with the draft contract published on NUTECH University website and other special conditions (Mentioned in this document) that may be added to given contract for the supply of ICT Equipment.

3. **Delivery of Tender.** The offer is to be submitted as under:-

a. **Technical Offer.** Technical Offer should contain only Annexure-A, Annexure-A-1 & Annexure B duly filled in (supported with relevant technical literature / details / catalogues etc) and receipt of tender processing fee. Copy of bid bond WITHOUT MENTIONING PRICE should be attached with technical offer. Only relevant technical details i.e literature/brochures) without mentioning the financial aspect of the offer in DUPLICATE should be enclosed in an envelope. In technical proposal, all items must have the brand names, model number, manufacturer's name, country of origin, manufacturer's warranty including parts with complete specs and brochures. Re-conditioned and re-furbished equipment shall not be acceptable. Following information will be clearly marked on the envelope:

- (1) Technical Offer
- (2) Original Performa Invoice (without price)
- (3) Tender number
- (4) Date/ time of opening

b. **Commercial Offer.** Commercial Offer will contain Annexure-C and bid bond (Dully mentioned and placed in separate envelope. The offer indicating the quoted price FE/Local Currency (in Local Currency for FOR cases & in FE for FOB cases) in figures as well as in words would

be enclosed in an envelope. Following information will be clearly marked on the envelope;

- (1) Commercial Offer
- (2) Original Performa invoice with price
- (3) Tender number

- c. Both the envelopes i.e. commercial offer and technical offer would be enclosed in yet another properly sealed envelope that will be marked with address of this office only. There should be clear indication that this envelope contains tender documents.
- d. The tender duly sealed will be addressed to the following:-

Deputy Director (Supply Chain Management Office)
NATIONAL UNIVERSITY OF TECHNOLOGY (NUTECH)
IJ P ROAD, F12, ISLAMABAD
Tel: 0092-51-5476768, Ext: 278

4. **Date and Time for Receipt of Tender.** Sealed bids with detailed specifications should reach SCM office latest by **1030 hrs on 19 April 2021.** Delay occurring in post shall not be accepted. Tenders received after the appointed / fixed time will NOT be entertained. The appointed time will, however, fall on next working day in case of closed / forced holiday.
5. **Tender opening.** The offers shall be opened **30 minutes** after submission time. Commercial offers will be opened at later stage if Technical Offer is found acceptable on examination by technical authorities. Date and time for opening of commercial offer shall intimated later. Only legitimate / registered representatives of firm will be allowed to attend tender opening.
6. **Validity of Offer.** The validity period of quotations must be indicated and should be **90 days** from the date of opening of financial offer.
7. **With drawal of offer** If the firm withdraws its offer within validity period, the competent authority may place such firm under embargo for a period which may be extended up to one year. Moreover, the Earnest Money of the firm will be confiscated.
8. **Documents.** Following information / copy of documents must be provided / attached with offer:-
 - a. A copy of letter showing firm's financial capability.
 - b. NTN/GST number be mentioned on the offer and copy of registration Certificate issued by Sales Tax Department, attached.
 - c. Foreign supplier to provide its Registration Number issued by respective

Department of Commerce authorizing export of subject stores **(in FOB cases).**

- d. Annexes A, A-1, B and C and special conditions must be signed and stamped. ATTACH ONLY RELEVANT DOCUMENTS.
 - e. Complete all Annexes as per given format. Do not use your format or letter head. Offer may be rejected if given format is not followed.
 - f. OEM/principal agency agreement must be provided.
9. **Disqualification.** Offers are liable to be rejected if:-
- a. Validity of offer is not quoted as required in IT documents.
 - b. Any deviation from the General/ Special / Technical Instructions.
 - c. Offers are found conditional or incomplete in any respect.
 - d. Copy of EM/Bid Bond & Tender processing fee (with tech offer) and original EM/Bid Bond (with fin offer) are NOT attached.
 - e. Manufacturer's relevant brochures and technical details on major equipment assemblies are not attached in support of specifications.
 - f. Offer received later than appointed / fixed date and time.
 - g. Subject to restriction of export license.
 - h. Offers (Commercial / technical) containing non-initialled / unauthenticated amendments / corrections / overwriting. If the validity of the agency agreement has expired. The commercial offer against FOB / CIF / C&F tender quoted in local currency.
 - i. If the offer is found to be based on cartel action in connivance with other sources/participants of the tender.
10. **Earnest Money / Bid Bond.** Commercial Offer must be accompanied with a Bid Bond (CDR/Pay Order/Bank Draft) in agreement of faithful compliance of the conditions of Contract. This amount will be equivalent to 5% of the total quoted value. The Bid Bond amount submitted by the successful bidder will however be refunded on effective termination of Contract. (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. Bid Bond will be used as performance guarantee till the delivery of stores, otherwise separate performance guarantee valued at 5 % of contract will be submitted by successful firm till stores are delivered and inspected.
11. **Return of Earnest Money/Bid Bond.**

- a. Bid Bond to the unsuccessful bidders will be returned on finalization of the lowest evaluated bidder.
- b. Bid Bond of the successful bidder/bidders will be returned on submission of Bank Guarantee/Bid bond against warranty period OR Bid bond retained for the warranty period as the case may be.

12. **Terms of Payment/ LC Charges**

(In FOB cases)

- a. All categories payment will be made through letter of credit (LC). LC opening charges in Pakistan are to be borne by NUTECH. Payment will be made through irrevocable LC in favour of Manufacturer.

In FOR cases

- b. 50% payment will be paid in advance if demanded by the firm against CDR/BG/PO/DD/BC through cross cheque or inland LC.
 - c. 50 % payment will be paid after installation, commissioning of the store through cross cheque or inland LC.
- Or
- d. 100% payment may be considered on delivery of the store through cross cheque or inland LC.

13. **Warranty/ Bank Guarantee (BG)**. As mentioned against each item in tender schedule at Annexure A, against 5% Bank Guarantee/CDR/Pay Order/Bank Draft of the store value will be required from the successful bidders from the date of commissioning as performance bond. BG submitted shall remain valid for up to 60 days beyond completion of warranty period.

14. **Taxes/ Duties/ Custom clearance** All taxes /duties /import Licenses Fee as applicable under government laws in Pakistan as well as country of supplier shall be on Seller (**in FOR Case**). NUTECH will provide applicable exemption certificates and documents (**In FOB Cases only**).

15. **Insurance:-** Insurance will be NUTECH's responsibility through NICL (**in FOB Cases**).

16. **Freight charges /Misc charges:** All charges such as packing, forwarding, local freight, loading and unloading, installation and commissioning, custom clearance, orientations, on job training or any other will be part of quoted price. Delivery till NUTECH will be seller's responsibility and all associated costs will be part of quotation as well.

17. **Delivery Schedule.** Store will be delivered within **60 days** from contract signing date.

18. **Force Majeure.** If non-compliance with the period of delivery or services can be proved to be due to Force Majeure, such as but not limited to mobilization, war, riot, strike, lockout, pandemics/epidemics or the occurrence of unforeseen events, the period shall be reasonably extended.

19. **Subletting** Suppliers are not allowed to sublet wholly or part of the contract to any other firm /company without prior permission by NUTECH. Firm found in breach of the clause will be dealt with as per purchaser's right and discretion.

20. **Arbitration.** Will be as under:-

"All Claims ,disputes ,controversies, differences arising out of or in connection with this contract ,including any question regarding its existence, validity, interpretation performance, breach or termination ,shall be referred to and shall finally be solved by binding arbitration. An Arbitration Committee Shall be constituted comprising Rector NUTECH and two Arbitration to be nominated on mutual agreement by each party. The venue of the Arbitration shall be the place of issuance of this contract or as Rector NUTECH may determine. In case of any difference, the clauses of Arbitration Act 1940, Rules and Regulation made thereof for time being enforce shall prevail. The award shall be final and binding on both parties.

a. Provided that written record of any such arbitration and its award shall be arranged properly. An award of such arbitration may be confirmed in a court of competent jurisdiction at Islamabad.

b. Provided further that incase of any other question /dispute not covered under this clause, the decision of Rector NUTECH shall be final."

21. **Redress Of Grievance.** In case of dispute, case shall be reviewed by 'NUTECH Redress of grievance committee and decision of NUTECH shall be final and binding on both parties.

22. **Export License/Permit /End User Cert.** It shall be the responsibility of the Supplier to obtain from the Government concerned all permits and export licenses, etc required to enable each consignment to be shipped immediately as per the delivery schedule. In case the supplier fails to arrange export license within 30 days of signing the contract the purchaser reserves the right to cancel the contract on the risk and expense of the supplier without prior notice. The purchaser will provide End User Certificate for acquisition of export license to the supplier (format to be provided by the

supplier for respective country within 10 day of signing of the contract).

23. **Technical Specification:** The supplier will provide OEM certificate, quality certificate /inspection document to the purchaser confirming the quality of the product being supplied under this contract .Store must bear the manufacturer's identification marking /monogram.

24. **Inspection /Testing of Store:** Inspection testing will be carried out at NUTECH by the concerned inspection team as detailed by the respective department in accordance with the laid down Acceptance Criteria. (Acceptance Test Procedure (ATPs)/Drawing /Test standard and specification). The supplier will provide ATPs with technical offer. Mutually agreed/approved ATPs will form part of contract to govern the inspection of store subsequently.

25. **Change In Specification / Mfr / Model.** No alternation marked/brand and quality of store will be entertained after the tender have been opened.

26. **Checking of Store at Consignee/User End.** All stores will be checked at Consignee's end in the presence of the supplier's representative. If for some reason, the supplier decides not to nominate his representative for such checking, an advance written notice to this effect will be given by the supplier to the consignee prior to immediately on shipment of store. In such an event the supplier will clearly undertake that decision of consignee with regard to quantities and description of consignment will be taken as final and discrepancy found will be accordingly made up by supplier. In all other cases the consignee will inform the supplier about arrival of consignment immediately on receipt of store through registered email/letter and telephone. If no response from the supplier is received within 15 days from initiation letter the consignee will have the right to proceed with the checking without supplier's representative. User/Consignee's report on checking of the stores will be binding on the seller in such cases.

27. **Packing /Marking.** The supplier shall be responsible for proper packing of the Store in standard export packing worthy of transportation by sea /air /road rail so as to ensure their content being free from lose or damages due to faulty packing on arrival at the ultimate destination. Packing of stores will be done at the expenses of the supplier. All packing cases, containers and other packing material shall become the property of the NUTECH on receipt. Any loss occurred /demurrage paid due to wrong marking will be made good by the supplier.

28. **Original Performa Invoice:** Original Performa invoice must have following components incorporated:-

- a. HS Code
- b. Incoterm
- c. Payment Terms
- d. Origin of good
- e. Port of shipment
- f. Address of OEM
- g. Seller acceptance (on Performa Invoice)
- h. Invoice Date
- i. Latest date of shipment
- j. Seller complete bank detail

Note: Performa Invoice in the name of NUTECH in case of FOB cases & in the name of local partner in case of FOR cases.

29. **General Instructions:** Following must be noted:-

- a. The firm should provide point to point acceptance of each clause of IT and special instructions attached with IT.
- b. Firm will render a certificate with technical offer that firm is neither defaulter nor blacklisted by any Government / semi Government organization directly or indirectly. (On Judicial Paper)
- c. Rates should be quoted on Free Delivery basis at NUTECH Islamabad.
- d. The stipulated delivery period should be strictly adhered to. Any anticipated delay that is beyond the control of Seller will be informed (in writing) well in advance of the expiry of the due date of the activity along with reasons thereof, requesting for the grant of extension in delivery period. If the Seller fails to do so, or the Buyer is not convinced with the rationale provided by the Seller, Liquidated Damages up to/at 2% per month or part thereof, will be imposed. However, the maximum limit of the Liquidated Damages will not exceed 10% of the delayed store value.
- e. If even after applicability of 10% LD, the Seller fails to deliver the required stores, the Buyer will be at liberty to Cancel the contract, and /or procure the stores from an alternate source, on the Seller's "Risk & Cost/Expense". In that case, the Seller will be bound to make payment to the new source through NUTECH. The purchaser's decision under this clause shall NOT be subjected to arbitration.
- f. NUTECH reserves the right to cancel the Contract without assigning

any reason whatsoever during its currency / execution / after placement, if the firm is found to be involved in any dubious activity, litigation, lacking to meet contractual obligations with the purchaser or is blacklisted with any other Public procurement agency. No claims / loss /damage of whatsoever nature shall be entertained and NUTECH's decision in this regard will be final / binding on the Seller.

- g. An appropriate amount may be paid for mobilization against Bank Guarantee/CDR/Demand Draft/Pay Order.
- h. Firms with previous pending/outstanding projects/business and unsatisfactory performance with NUTECH may not be considered for award of any further business.
- i. Lowest evaluated bidders must send their authorized representatives for signing of the contract within three days of sharing of the draft contract.
- j. For technical opening firm will send a representative who has knowledge about the quoted items otherwise representative will not be allowed to sit in tender opening.
- k. Firms are advised to quote the rates as per Ser. No. given in LOT's.

Deputy Director
Supply Chain Management Office

Annex-A**Technical Specifications****NUTECH / SCM /IT Equipment 2021 / TD-214**

Ser	Part No	Items	Description	A/U	Country of Origin	Qty Req	Bidder Compliance		Tech Scrutiny to be done by user	
							Yes	No	Accepted	Rejected
									Reason of Rejection	
LOT A – Passive Networking Equipment										
1.		UTP Cable Roll	Cat6 UTP 23 AWG solid cable – 305 m/ roll	No	European / USA/ Japan	70				
2.		Patch Cord (1m)	Branded Cat6 UTP patch cords (1m long)	No	European / USA/ Japan	250				
3.		Patch Cord (3m)	Branded Cat6 UTP patch cords (3m long)	No	European / USA/ Japan	500				
4.		Patch Cord (5m)	Branded Cat6 UTP patch cords (5m long)	No	European / USA/ Japan	100				
5.		Patch Panel	24 port patch panel Cat6, with detachable I/Os	No	European / USA/ Japan	15				
6.		RJ-45 I/O	Good quality RJ-45 I/O	No	European / USA/ Japan	250				
7.		Face plates with dual I/O	Good quality network face plates with dual I/O (2x Network Ports) along with back box	No	European / USA/ Japan	180				
8.		Cable Manager	Branded cable managers	No	European / USA/ Japan	20				
9.		12U Cabinet	12U network cabinet with fan and 1 x PDUs (6port power sockets)	No	European / USA/ Japan	2				

10.		26U Cabinet	26U network cabinet with fan and 2 x PDUs (6port power sockets)	No	European / USA/ Japan	3			
11.		42U Cabinet	42U network cabinet with fan and 2 PDUs (6port Power sockets)	No	European / USA/ Japan	1			
12.		Fiber Cable (meter)	Single Mode Fiber, 12 Core, 1G to 10G Supported, attenuation at 1310 nm < 0.35 dB/km and at 1550 nm < 0.21 dB/km, Tensile Strength 3000N, Crush strength 2500N, Operating temperature -10 to 70' C, including fiber cable laying and splicing on site.	Meter	European / USA/ Japan	600			
13.		Fiber Cable (meter)	Single Mode Fiber, 6 Core, 1G to 10G Supported, attenuation at 1310 nm < 0.35 dB/km and at 1550 nm < 0.21 dB/km, Tensile Strength 3000N, Crush strength 2500N, Operating temperature -10 to 70' C, including fiber cable laying and splicing on site.	Meter	European / USA/ Japan	500			
14.		Optical Fiber Patch Cords SC-LC SMF	SC-LC single mode 5 meter long fiber patch cords, duplex, 1 to 10G supported	No	European / USA/ Japan	30			
15.		Optical Fiber Patch Cords LC-LC SMF	LC-LC single mode 5 meter long fiber patch cords, duplex, 1 to 10G supported	No	European / USA/ Japan	10			
16.		Optical Fiber Patch Cords LC-LC MMF	LC-LC multimode 5 meter long fiber patch cords, duplex, 1 to 10G supported	No	European / USA/ Japan	10			
17.		Optical Fiber Patch Cords LC-LC MMF	LC-LC multimode 10 meter long fiber patch cords, duplex, 10G supported	No	European / USA/ Japan	5			
18.		Cable Tray for fiber and UTP (in feet)	Metallic, Black Coated Cable Tray for fiber and UTP cables 6" x 2"	Feet	Any	1,200			
19.		Cable Tray for fiber and UTP (in feet)	Metallic, Black Coated Cable Tray for fiber and UTP cables 3" x 2"	Feet	Any	150			
20.		Fiber ODF (12 Ports)	12 Port ODF fully loaded	No	European / USA/ Japan	6			
21.		Fiber ODF (48 Ports)	48 Port ODF fully loaded	No	European / USA/ Japan	2			

22.	Miscellaneous items	HDPE Pipe	HDPE Pipe 1" Inner diameter with bends and other fittings and accessories	Meter	Any	1200			
		PVC Pipe	0.75 " Inner diameter with bends and other fittings and accessories	Feet	Any	1000			
		RJ 45 Connector	Branded RJ-45 Connector	No	Any	1000			
		Ducts (60*60)	Good quality, duct size (60*60), 10 ft long Recommended Brand: Adam Jee or Popular	No	Any	30			
		Ducts (16*38)	Good quality, duct size (16*38), 10 ft long Recommended Brand: Adam Jee or Popular	No	Any	200			
		Ducts (16*25)	Good quality, duct size (16*25), 10 ft long Recommended Brand: Adam Jee or Popular	No	Any	130			
		Ducts (25*25)	Good quality, duct size (25*25), 10 ft long Recommended Brand: Adam Jee or Popular	No	Any	130			
		Flexible Pipe	Flexible Pipe 1", 2" & 3" (150 feet each size) and 5" (50 feet)	Feet	Any	500			
		Rawal Plug	Rawal Plug (100 pieces per box)	Box	Any	12			
		Screws	Screws 1" (30xBox), 1.5" (20x Box) & 2" (10x Box) (100 screws in each box)	Box	Any	60			
		Transparent Tape	Transparent Tape 1" (20) Transparent Tape 2" (30)	No	Any	50			
		Insulation tape	Insulation tape, Recommended: Osaka	No	Any	60			
		Cable Ties	Good quality cable ties, Size 6 & 8 (25 pack of each size)	Pack	Any	50			
23.	UTP Cable Laying, termination and Node testing	Complete installation, testing/ commissioning and tagging of UTP cable as per standard for	Job	-	1				

		using fluke meter	250x Network Nodes						
24.		Fiber Optic splicing, installation, pulling/laying charges (in meter)	Complete installation and testing/ commissioning of fiber cable mentioned in ser 11 & 12	Job	-	1			
LOT B – Active Networking Equipment									
1.		Distribution Switch	Model: Cisco WS-C3850-24S-S 2x S3850UK9-166, 2x C3850-NM-2-10G, 4x PWR-C1-350WAC/2, 4x CAB-TA-UK, 2x STACK-T1-50CM, 2x CAB-SPWR-30CM, 2x C3850-24-L-S, 10x SFP-10G-LR-S= 10x SFP-10G-SR-S= 20x GLC-LH-SMD= 04x GLC-TE= Smartnet/ Warranty for 3 Years, Dual power supply, with all accessories including 3x USB to RJ-45 console cables (Same model need to be quoted to avoid compatibility issues as same equipment is already installed)	No	European / USA	2			
2.		Access Layer Switch (48 Ports)	Model: Cisco C1000-48FP-4G-L Smartnet/ Warranty for 3 Years, with all accessories (Same model need to be quoted to avoid compatibility issues as same equipment is already installed)	No	European / USA	5			
3.		Access Layer Switch (24 Ports)	Model: Cisco C1000-24P-4G-L, Smartnet/ Warranty for 3 Years, with all accessories (Same model need to be quoted to avoid compatibility issues as same equipment is already installed)	No	European / USA	2			
4.		Wireless Access Point	Model: AIR-AP1832I-C-K9, 20x SW1830-CAPWAP-K9, 20x AIR-AP-BRACKET-1,	No	European / USA	20			

			20x AIR-AP-T-RAIL-R, 20x licenses for APs central management from WLC 5520, With all accessories including power adaptors and installation on site, Smartnet/ Warranty for 3 Years (Same model need to be quoted to avoid compatibility issues as same equipment is already installed)						
5.		Installation/Testing	Complete installation and testing/ commissioning of switches and wireless access points. Provision of heat maps for access points deployment	Job	-	1			
LOT C – Fire Alarm System									
1.		Addressable Fire Alarm Control Panel 2 Loop	Brand : Menvier U.K Model : DF60002 Intelligent addressable control panel Fire Alarm with Complete accessories and 24 hours back up batteries Warranty: 3 Years (Same model need to be quoted to avoid compatibility issues as same equipment is already installed)	No	European / USA / UK	1			
2.		Addressable Smoke Detector	Brand : Menvier U.K Model : MAP 820 Warranty: 3 Years (Same model need to be quoted to avoid compatibility issues as same equipment is already installed)	No	European / USA / UK	30			
3.		Addressable Heat Detector	Brand : Menvier U.K Model : MAP 830 Warranty: 3 Years (Same model need to be quoted to avoid compatibility issues as same equipment is already installed)	No	European / USA / UK	35			
4.		Addressable Call Point	Brand : Menvier U.K Model : MBG 813 (Same model need to be quoted to avoid compatibility issues as same equipment is	No	European / USA / UK	10			

			already installed)						
5.		Addressable Sounder	Brand : Menvier U.K Model : MAS 850 LPS Warranty: 3 Years (Same model need to be quoted to avoid compatibility issues as same equipment is already installed)	No	European /USA / UK	15			
6.		Fire Resistant Cable	2 M Kablo Turkey LPCB approved 2 x 1.5mm +ECC & Shielded cable with ducting, piping, bands & Sockets (Same model need to be quoted to avoid compatibility issues as same equipment is already installed)	Feet	Any	6,000			
7.		Installation, Testing/ Commissioning and Software Configurations	• Installation, Testing, Commissioning and Software Configurations	Job	-	1			
LOT D – Surveillance System									
1.		Dome Surveillance Camera's	Fixed IR Dome Cameras: Supply at site and installation of Dome IP - Cameras 4.0 Mega Pixel, 1/3" 4 mega pixel Progressive scan, fixed lens 2.8 mm AF, Resolution 2592 x 1520mm, Codec H-265+, Camera with 25 fps, day night vision, IP-66, Smart IR minimum 20 meter, ONVIF Support, Digital Defog, face detection/recognition, including mounting bracket, all fixing and mounting accessories, including cost of all required accessories / materials. Warranty: 3 Years	No.	European / USA/ Japan	38			
2.		Outdoor Bullet Surveillance Camera	Bullet Camera: Supply at site, installation of IP – Bullet Camera 4.0 Mega Pixel, minimum 60 meter IR, Codec H-265+, JPEG Multi Stream : 6, Advance VBR : AVBR (1.80), Resolution 16:9 = 1280 x 720 & 4:3 = 1280 x 960 with at least 25 fps, face detection/recognition, day night vision, Smart IR minimum 20 meter, ONVIF Support, IP-67 including mounting bracket, all fixing and mounting accessories,	No	European / USA/ Japan	13			

			complete in all respects, including cost of all required accessories / materials. Warranty: 3 Years						
3.		Outdoor PTZ Surveillance Camera	Outdoor PTZ Camera: Supply at site, installation of IP - PTZ Cameras 4.0 Mega Pixel, 150 meter IR, Codec H-265+/MPEG-4/JPEG, Advance VBR : AVBR (1.80), Resolution 16:9 = 1280 x 720 & 4:3 = 1280 x 960 with atleast 25 fps, face detection/ recognition, day night vision, ABF, ONVIF Support, Lens f:3.1 to 10 mm, Optical Zoom 30x, IK10, IP-67 including mounting bracket, all fixing and mounting accessories, with additional 5x power supplies for backup/store, complete in all respects, including cost of all required accessories / materials. Warranty: 3 Years	No.	European / USA/ Japan	2			
4.		NVR 32 Channel	Network Video Recorder: Supply & Installation of NVR Support 32 Cameras, Real Time View 32 Channel, Quad Core Embedded Processor, embedded Linux, incoming bandwidth 320 Mbps, Support Encoding H-265+, Independent output VGA, HDMI1 & HDMI2, Upto 4K 12MP Resolution, ONVIF Profile, 1 Channel CVBS output, OSD, Rate Control VBR / CBR, ONVIF Support, Recording@30 FPS, HDD 6 SATA Ports Support 8 TB on each port, Recording Modes(Manual, Schedule, Event Pre/Post) Emergency, VMD Search, Network 1 x RJ-45 Ports, Analytics and Alarm on trigger events, Trigger events (Recording, Alarm Out, PTZ, Tour, Video Push, Email, FTP, Snap Shot, Buzzer & Snap Tips) Embedded Server Supported, Power 220 Volt AC(30 Watts), storage for 30 days recording on full load, Support Raid 5/6, Embedded OS, Data Encryption, Complete in all Respect. Warranty: 3 Years	No	European / USA/ Japan	2			

5.		PTZ Controller	PTZ Controller: Supply, Installation of Network PTZ Keyboard Controller, Electro mechanical, 3-Axis, Vector Solving with Twisting, Auto Scan, Preset Position, Auto Pan, Auto Tour, Pattern Control, Connectivity RJ-45, RS-232, RS-485, RS-422, USB, Communication mode direct & Network, 2x PTZ Cameras Integration, Warranty: 3 Years	No.	European / USA/ Japan	1			
6.		PoE Plus Switch 24P + 2 SFP	24-Port Gigabit PoE Switch and minimum 2 Gigabit SFP ports with 4x SFP (1G) modules, minimum 400W PoE Budget. Supply and installation at site. Warranty: 3 Years	No.	European / USA/ Japan	8			
7.		Metallic Panel	Metallic Panel: Metallic panel 16 gage powder coated black, for mounting 4x monitors (49 inches) with open space for cabling and control of monitors from behind along with a sliding ladder fixed at the back of panel. Warranty: 3 Years	No.	Any	1			
8.		LED Screens	LED Type Color Monitors: Supply at site, installation of 49" 4K UHD Minimum 500 nits, ruggedized monitor for prolonged 24/7 operations , 2x 20meter HDMI cables with each LED, including cost of all necessary accessories and materials, complete in all respects. Warranty: 3 Years	No.	European / USA/ Japan	4			
9.		Pole L-shaped	Pole: Supply and installation on site, 5 feet Vertical and 5 /2.5 Feet Horizontal Arm, 2" Radius 16 Gage.	No.	Any	5			
10.		Installation and Testing/ Commissioning	Installation and Testing / Commissioning of Complete System	Job	-	1			
LOT E – Digital Signage									
1.		Digital Signage LED along with Distribution Play e Box	Model: HG55AE690 Series 55 Screen Size: 55 inches, Resolution: 1920 x 1080,	No.	European / USA/	4			

			<p>TV Sound Connect Yes, BT Headset Support Yes, Connect Share™ (USB 2.0) Yes, Picture-In-Picture Yes, BT HID Built-in Yes, USB HID Support Yes. HDMI (Side/Rear) 2 / 1, USB (Side/Rear) 2 / 0, Ethernet (LAN) (Side/Rear), Wireless LAN Built-in Yes, along with 4x Distribution play e box (DHI-DPB18-A), with all necessary accessories required for installation/mounting of device, Supply and installation at site, with additional quantity of 12-volt & 1 Amp current power adapter for Distribution play e box (Qty 5), good quality HDMI cables 3m long (Qty 10) , Warranty: 3 Years (Same model need to be quoted to avoid compatibility issue as equipment is already installed)</p>					
2.		Installation, Testing/ Commissioning and Software Configurations	Installation, Testing/ Commissioning, software configurations and integration with existing system	Job	-	1		
LOT F – Access Control Management System								
1.		Biometric Device (Access Control Management System)	<p>Brand/ Make: ZKteco Finger Print Capacity ≥ 30,000, Card Capacity ≥ 30,000, Transaction Capacity ≥ 600,000 , Communication: RS 232, Network card (TCP/IP), USB-Host, Wi-Fi, including all necessary accessories i.e. electric lock, door sensor, exit button, power adapter, back box etc. With additional quantity of 12-volt & 5 Amps power adapter (Qty - 10) Warranty: 3 Years (Device of same brand/ make need to be quoted to avoid compatibility issues as equipment is already installed)</p>	No.	Asia/Euro pean / USA	4		
2.		Installation, Testing/ Commissioning and Software Configurations	Installation, testing/ commissioning, software configurations and integration with existing system (ZKteco application/ software)	Job	-	1		
LOT G – UPS								

1.		UPS (3KVA)	<p>UPS APC or Equivalent Output Power Capacity: - 2.4kWatts / 3.0kVA Output Connections: - 5 or 6 C13 outputs, 1 or 2 C19 outputs Transfer Time: 4 ms typical, Output Frequency (sync to mains): 50/60 Hz +/- 3 Hz Input frequency: 40 - 70 Hz, Surge energy rating: 600Joules, Battery type: - Lead-acid battery, Typical recharge time: 4hour(s), Battery Charge Power (Watts): 234 Watts, input frequency: 40 - 70 Hz, input voltage range for main operations: 100 – 280, Including all required accessories / materials, Installation and testing/ commissioning on site, Warranty for UPS: 3 Years Warranty for Battery: 2 Years</p>	No.	European / USA/Japan	4				
LOTH – Public Addressing System										
1.		Amplifier for speakers	<p>Digital microphone MEMS support, High efficiency Class-D speaker driver, Low power consumption,16 bit audio data, Supports conventional telephony and HD voice (300Hz – 3.4kHz and 50Hz – 7kHz bandwidths),Supports audio bandwidths up to 21kHz,Supports 8/16/32/48 ksps sample rates, Flexible serial audio interface, SPI™/TWI control interface, Small 24-lead VQFN Package, supply 1.8 – 3.6V, including all necessary accessories and materials, complete in all respects. Warranty: 3 Years</p>	No	European/ USA/ Japan/ Asia	1				
2.		Zone Controller	<p>Zone Controller for floor selection to make announcement, This color conversion kit includes 1 wall plate, 1 keypad bezel and 13 buttons for the MDK-C6 Multiline Display Keypad, Power Requirement(s): 275mA @ 12VDC MAX, Including all necessary accessories and materials, complete in all respects. Warranty: 3 Years</p>	No	European / USA/ Japan/ Asia	1				

3.		Mic Cable	Supply at site and installation of Mic cable with laying and termination, Conductor area 0.22 mm ² , AWG 24 , Composition of conductor 7 x 0.20 mm , Conductor resistance 79 Ohm/km , Capacity cond.-cond. (pF/m) 72 pF/m , additional description Stage/Studio split length (cable) = 0.4m , category Multicore diameter 15 ± 0.2 mm, including accessories.	Feet	European / USA/ Japan/ Asia	1,000			
4.		Ceiling Mount Speakers	Power Supply & Consumption: DC 24V/1A, ≤3W, (Power over Ethernet): IEEE802.3af ,Network Protocol: TCP/IP, UDP, ARP, ICMP, IGMP, SIP, Built-in Amplifier: 30W/8Ω Class-D Power Amplifier, Network Chip Rate: 10/100Mbps, Audio Decoding: G.711a, G.711u, PCM, MP3, Sensitivity: 88dB±3dB/W/M, S/N , Frequency Response: ≥80dB, 100Hz~18kHz, Power Output (DC Adapter): 20W/8Ω, Power Output (POE): 15W/8Ω, , Working Temperature & Humidity: 20°C~50°C, ≤90%RH (Not Condensing), Dimensions & Weight: φ213x165mm, 1.4kg .Including cost of all required accessories / materials, complete in all respects Warranty: 3 Years	No	European / USA/ Japan/ Asia	15			
5.		Gooseneck Mic	Voltage range 12 to 48 V Distortion <0.6% (maximum input) Equivalent input noise level 28 dBA SPL (S/N 66 dBA ref. 1 Pa) Frequency response 100 Hz to 16 kHz Output Impedance < 200 ohm. Including cost of all required accessories / materials, complete in all respects. Warranty: 3 Years	No	European / USA/ Japan/ Asia	2			
6.		Fast Cable 2 Core (Interconnectivity With Existing Blocks)	Fast Cable 2Core, Cable and accessories required for connectivity of new block with existing block.	Meter	European/ USA/Japan/ Asia	4500			
7.		Installation and Testing/ Commissioning	Installation, Testing & Commissioning of complete System, Integration with existing system	Job	-	1			

LOT I – Exchange/Wired Communication System							
1.		UG Cable	100 Pair water proof (gauge 0.4mm)	Feet	Any	1000	
2.		PVC Cable	25 Pairs (Branded)	Feet	Any	200	
3.		DP-Box	200 Pairs with lightening protection unit (Huawei)	No	Any	01	
4.		DP-Box	50 Pairs With Strip(Crone)	No	Any	03	
5.		DDF Bracket With Stiips	200 Pair (Manufacturer: Crone)	No	Any	01	
6.		UTP Cable Roll	Cat6 UTP 23 AWG solid cable – 305 m/ roll Preferably Orange Color	Roll	European/US/ Japan	15	
7.		Connectors	Connectors RJ-11	No	European/US/ Japan	200	
8.		Line Cord	Haff White Copper	Roll	Any	03	
9.		Ducting	Haff White 16x16 (Adamjee)	Feet	Any	400	
10.		Ducting	Haff White 16x25 (Adamjee)	Feet	Any	100	
11.		Ducting	Haff White 40x60 (Adamjee)	Feet	Any	50	
12.		PVC	Pipe 1 inch (Popular)	Feet	Any	500	
13.		Telephone IO's	Telephone IO's (3M)	No	European/US /Japan	250	
14.		Face Plate twin shutter	Face Plate twin shutter Duble (3M)	No	European/US/ Japan	80	
15.		Back Box	Back Box	No	Any	80	
16.		Screw	Wooden Screw 1 inch	Pkt	Any	3	
17.		Screw	Wooden Screw 1.5 inch	Pkt	Any	3	
18.		Nail	Steel Nail 1 inch	Pkt	Any	2	
19.		Nail	Steel Nail 2 inch	Pkt	Any	2	
20.		Pipe	Flexi Pipe 2 inch	Feet	Any	50	
21.		Pipe	Flexi Pipe 1 inch	Feet	Any	50	
22.		Tape	Insulation Tape (Osaka)	No	Any	12	
23.		Plug	Rawal Plug	Pkt	Any	10	
24.		Tape	Double Tape (Osaka)	No	Any	5	
25.		Tie	Cable Tie 8 No	Pkt	Any	5	
26.		Installation and Testing/ Commissioning	Installation and Testing/ Commissioning of stores	No	Any	1	

Firm Name: _____
Signature: _____
Name: _____
Designation: _____

Annex-A1Special Instructions

Description		Bidder		Tech Scrutiny to be done by User		
		Yes	No	Accepted	Rejected	Reasons of Rejection
LOT	<ul style="list-style-type: none"> a. All lots are packaged deal b. A firm can participate in all lots or individually 					
Operations Training	Training of NUTECH ICT support staff					
Installation and Commissioning	<ul style="list-style-type: none"> a. Complete installation, testing/ commissioning of the equipment (Software & Hardware) will be carried out by OEM/supplier rep at designated place at NUTECH (Cost may be added in financial offer if any). b. Special requirements must be specified in offer by supplier. 					
Support Services	<p><u>LOT A & I:</u></p> <ul style="list-style-type: none"> a. Support services for 1 year starting after complete deployment of project with response time of 4 hours and rectification of fault within 72 hours b. Consultancy and availability of firm rep on site during building construction to ensure availability of conduits by civil works vendor required for cabling <p><u>LOT B, C, D, E, F, G, H:</u></p> <ul style="list-style-type: none"> a. Support Services for 3 years starting after complete deployment of project with response time of 4 hours and rectification of fault within 72 hours. Suppliers to have in-country spares & ensure technical support/assistance for 3 years. 					
Warranty Period	<ul style="list-style-type: none"> a. As mentioned against each item b. Faulty hardware will be repaired or replaced with new equipment within 72 hours after escalation of issue to the OEM c. 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. 					
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 may lead to the disqualification of the bidder.					

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.					
Documents	Operational/ Maintenance manual Qty 01 with Equipment and additional Qty 02 for record purpose and should consist of following sections a. Equipment Description/ Operation (1) Specifications (2) Description (3) Operation b. Servicing (1) Maintenance Schedule (2) Removal/ Installation procedure (3) Trouble Shooting guide					
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.					
Liability of Supplier	Supplier is to provide original OEM certificate of subject equipment licenses bought directly from the manufacturer and being an authorized dealer.					
Special Notes	a. Additional requirements for the maintenance of equipment (if any) must be intimated by the supplier in technical offer. b. Equipment must be a standard product of OEM available at web address of OEM. c. 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. d. Interested parties may carry out the site survey before participation in bidding e. <u>Manufacturer Authorization Form (MAF) in the name of NUTECH University by the Principal / OEM must be provided (Mandatory).</u>					

Firm Name: _____
Signature: _____
Name: _____
Designation: _____

TECHNICAL OFFER
NUTECH / SCM /IT Equipment 2021 / TD-214

Fill in 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 Period: _____

General

1. GST Number: _____(Enclose Copy)
2. NTN / CNIC: _____(if exempted, provide valid exemption certificate)

Payment Terms (In continuation of IT Document clause 12)

In FOR Cases
50% advance payment against BG/CDR/Pay Order/DD/BC through cross cheque or inland LC
50% payment after delivery, installation / commissioning /user satisfaction certificate through cross cheque or inland LC
Or
100% payment may be considered on delivery of the store also through cross cheque or inland LC

Details of Foreign Principal Information with account details)

1. Name / Title: _____
2. Address: _____

OEM Name:	Firm Name:	Signature:
OEM Focal Person:	Firm Focal Person:	Official Seal:
OEM Phone Number:	Firm Phone Number:	Name & CNIC:
OEM Email Id:	Firm Email Id:	Designation:

Annex CFINANCIAL OFFERNUTECH / SCM /IT Equipment 2021 / TD-214

Ser	Part No	Items	Description	A/U	Qty Req	Unit Price PKR (Including Tax)	Total Price PKR (Including Tax)
LOT A – Passive Networking Equipment							
1.		UTP Cable Roll	Cat6 UTP 23 AWG solid cable – 305 m/ roll	No	70		
2.		Patch Cord (1m)	Branded Cat6 UTP patch cords (1m long)	No	250		
3.		Patch Cord (3m)	Branded Cat6 UTP patch cords (3m long)	No	500		
4.		Patch Cord (5m)	Branded Cat6 UTP patch cords (3m long)	No	100		
5.		Patch Panel	24 port patch panel Cat6, with detachable I/Os	No	15		
6.		RJ-45 I/O	Good quality RJ-45 I/O	No	250		
7.		Face plates with dual I/O	Good quality network face plates with dual I/O (2x Network Ports) along with back box	No	180		
8.		Cable Manager	Branded cable managers	No	20		
9.		12U Cabinet	21U network cabinet with fan and 1 x PDUs (6port power sockets)	No	2		
10.		26U Cabinet	26U network cabinet with fan and 2 x PDUs (6port power sockets)	No	3		
11.		42U Cabinet	42U network cabinet with fan and 2 PDUs (6port Power sockets)	No	1		
12.		Fiber Cable (meter)	Single Mode Fiber, 12 Core, 1G to 10G Supported, attenuation at 1310 nm < 0.35 dB/km and at 1550 nm < 0.21 dB/km, Tensile Strength 3000N, Crush strength 2500N, Operating temperature -10 to 70' C, including fiber cable laying and splicing on site.	Meter	600		
13.		Fiber Cable (meter)	Single Mode Fiber, 6 Core, 1G to 10G Supported, attenuation at 1310 nm < 0.35 dB/km and at 1550 nm < 0.21 dB/km, Tensile Strength 3000N, Crush strength 2500N, Operating temperature -10 to 70' C, including fiber cable laying and splicing on site.	Meter	500		

14.		Optical Fiber Patch Cords SC-LC SMF	SC-LC single mode 5 meter long fiber patch cords, duplex, 1 to 10G supported	No	30			
15.		Optical Fiber Patch Cords LC-LC SMF	LC-LC single mode 5 meter long fiber patch cords, duplex, 1 to 10G supported	No	10			
16.		Optical Fiber Patch Cords LC-LC MMF	LC-LC multimode 5 meter long fiber patch cords, duplex, 1 to 10G supported	No	10			
17.		Optical Fiber Patch Cords LC-LC MMF	LC-LC multimode 10 meter long fiber patch cords, duplex, 10G supported	No	5			
18.		Cable Tray for fiber and UTP (in feet)	Metallic, Black Coated Cable Tray for fiber and UTP cables 6" x 2"	Feet	1,200			
19.		Cable Tray for fiber and UTP (in feet)	Metallic, Black Coated Cable Tray for fiber and UTP cables 3" x 2"	Feet	150			
20.		Fiber ODF (12 Ports)	12 Port ODF fully loaded	No	6			
21.		Fiber ODF (48 Ports)	48 Port ODF fully loaded	No	2			
22.		Miscellaneous items	HDPE Pipe	HDPE Pipe 1" Inner diameter with bends and other fittings and accessories	Meter	1200		
			PVC Pipe	0.75 " Inner diameter with bends and other fittings and accessories	Feet	1000		
			RJ 45 Connector	Branded RJ-45 Connector	No	1000		
			Ducts (60*60)	Good quality, duct size (60*60), 10 ft long Recommended Brand: Adam Jee or Popular	No	30		
			Ducts (16*38)	Good quality, duct size (16*38), 10 ft long Recommended Brand: Adam Jee or Popular	No	200		
			Ducts (16*25)	Good quality, duct size (16*25), 10 ft long Recommended Brand: Adam Jee or Popular	No	130		
			Ducts (25*25)	Good quality, duct size (25*25), 10 ft long Recommended Brand: Adam Jee or Popular	No	130		
			Flexible Pipe	Flexible Pipe 1", 2" & 3"	Feet	500		

			(150 feet each size) and 5" (50 feet)				
			Rawal Plug	Rawal Plug (100 pieces per box)	Box	12	
			Screws	Screws 1" (30xBox), 1.5" (20x Box) & 2" (10x Box) (100 screws in each box)	Box	60	
			Transparent Tape	Transparent Tape 1" (20) Transparent Tape 2" (30)	No	50	
			Insulation tape	Insulation tape, Recommended: Osaka	No	60	
			Cable Ties	Good quality cable ties, Size 6 & 8 (25 pack of each size)	Pack	50	
23.		UTP Cable Laying, termination and Node testing using fluke meter	Complete installation, testing/ commissioning and tagging of UTP cable as per standard for 250x Network Nodes	Job	1		
24.		Fiber Optic splicing, installation, pulling/laying charges (in meter)	Complete installation and testing/ commissioning of fiber cable mentioned in ser 11 & 12	Job	1		
LOT B – Active Networking Equipment							
1.		Distribution Switch	Model: Cisco WS-C3850-24S-S 2x S3850UK9-166, 2x C3850-NM-2-10G, 4x PWR-C1-350WAC/2, 4x CAB-TA-UK, 2x STACK-T1-50CM, 2x CAB-SPWR-30CM, 2x C3850-24-L-S, 10x SFP-10G-LR-S= 10x SFP-10G-SR-S= 20x GLC-LH-SMD= 04x GLC-TE= Smartnet/ Warranty for 3 Years, Dual power supply, with all accessories including 3x USB to RJ-45 console cables (Same model need to be quoted to avoid compatibility issues as same equipment is	No	2		

			already installed)				
2.		Access Layer Switch (48 Ports)	Model: Cisco C1000-48FP-4G-L Smartnet/ Warranty for 3 Years, with all accessories (Same model need to be quoted to avoid compatibility issues as same equipment is already installed)	No	5		
3.		Access Layer Switch (24 Ports)	Model: Cisco C1000-24P-4G-L, Smartnet/ Warranty for 3 Years, with all accessories (Same model need to be quoted to avoid compatibility issues as same equipment is already installed)	No	2		
4.		Wireless Access Point	Model: AIR-AP1832I-C-K9, 20x SW1830-CAPWAP-K9, 20x AIR-AP-BRACKET-1, 20x AIR-AP-T-RAIL-R, 20x licenses for APs central management from WLC 5520, With all accessories including power adaptors and installation on site, Smartnet/ Warranty for 3 Years (Same model need to be quoted to avoid compatibility issues as same equipment is already installed)	No	20		
5.		Installation/Testing	Complete installation and testing/ commissioning of switches and wireless access points. Provision of heat maps for access points deployment	Job	1		
LOT C – Fire Alarm System							
1.		Addressable Fire Alarm Control Panel 2 Loop	Brand : Menvier U.K Model : DF60002 Intelligent addressable control panel Fire Alarm with Complete accessories and 24 hours back up batteries Warranty: 3 Years (Same model need to be quoted to avoid compatibility issues as same equipment is already installed)	No	1		
2.		Addressable Smoke Detector	Brand : Menvier U.K Model : MAP 820	No	30		

			Warranty: 3 Years (Same model need to be quoted to avoid compatibility issues as same equipment is already installed)				
3.		Addressable Heat Detector	Brand : Menvier U.K Model : MAP 830 Warranty: 3 Years (Same model need to be quoted to avoid compatibility issues as same equipment is already installed)	No	35		
4.		Addressable Call Point	Brand : Menvier U.K Model : MBG 813 (Same model need to be quoted to avoid compatibility issues as same equipment is already installed)	No	10		
5.		Addressable Sounder	Brand : Menvier U.K Model : MAS 850 LPS Warranty: 3 Years (Same model need to be quoted to avoid compatibility issues as same equipment is already installed)	No	15		
6.		Fire Resistant Cable	2 M Kablo Turkey LPCB approved 2 x 1.5mm +ECC & Shielded cable with ducting, piping, bands & Sockets (Same model need to be quoted to avoid compatibility issues as same equipment is already installed)	Feet	6,000		
7.		Installation, Testing/ Commissioning and Software Configurations	<ul style="list-style-type: none"> Installation, Testing, Commissioning and Software Configurations 	Job	1		
LOT D – Surveillance System							
1.		Dome Surveillance Camera's	Fixed IR Dome Cameras: Supply at site and installation of Dome IP - Cameras 4.0 Mega Pixel, 1/3" 4 mega pixel Progressive scan, fixed lens 2.8 mm AF, Resolution 2592 x 1520mm, Codec H-265+, Camera with 25 fps, day night	No.	38		

			vision, IP-66, Smart IR minimum 20 meter, ONVIF Support, Digital Defog, face detection/recognition, including mounting bracket, all fixing and mounting accessories, including cost of all required accessories / materials. Warranty: 3 Years				
2.		Outdoor Bullet Surveillance Camera	Bullet Camera: Supply at site, installation of IP – Bullet Camera 4.0 Mega Pixel, minimum 60 meter IR, Codec H-265+, JPEG Multi Stream : 6, Advance VBR : AVBR (1.80), Resolution 16:9 = 1280 x 720 & 4:3 = 1280 x 960 with atleast 25 fps, face detection/recognition, day night vision, Smart IR minimum 20 meter, ONVIF Support, IP-67 including mounting bracket, all fixing and mounting accessories, complete in all respects, including cost of all required accessories / materials. Warranty: 3 Years	No	13		
3.		Outdoor PTZ Surveillance Camera	Outdoor PTZ Camera: Supply at site, installation of IP - PTZ Cameras 4.0 Mega Pixel, 150 meter IR, Codec H-265+/MPEG-4/JPEG, Advance VBR : AVBR (1.80), Resolution 16:9 = 1280 x 720 & 4:3 = 1280 x 960 with atleast 25 fps, face detection/ recognition, day night vision, ABF, ONVIF Support, Lens f:3.1 to 10 mm, Optical Zoom 30x, IK10, IP-67 including mounting bracket, all fixing and mounting accessories, with additional 5x power supplies for backup/store, complete in all respects, including cost of all required accessories / materials. Warranty: 3 Years	No.	2		
4.		NVR 32 Channel	Network Video Recorder: Supply & Installation of NVR Support 32 Cameras, Real Time View 32 Channel, Quad Core Embedded Processor, embedded Linux, incoming bandwidth 320 Mbps, Support Encoding H-265+, Independent output VGA, HDMI1 & HDMI2, Upto 4K 12MP Resolution, ONVIF Profile, 1 Channel CVBS	No	2		

			output, OSD, Rate Control VBR / CBR, ONVIF Support, Recording@30 FPS, HDD 6 SATA Ports Support 8 TB on each port, Recording Modes(Manual, Schedule, Event Pre/Post) Emergency, VMD Search, Network 1 x RJ-45 Ports, Analytics and Alarm on trigger events, Trigger events (Recording, Alarm Out, PTZ, Tour, Video Push, Email, FTP, Snap Shot, Buzzer & Snap Tips) Embedded Server Supported, Power 220 Volt AC(30 Watts), storage for 30 days recording on full load, Support Raid 5/6, Embedded OS, Data Encryption, Complete in all Respect. Warranty: 3 Years				
5.		PTZ Controller	PTZ Controller: Supply, Installation of Network PTZ Keyboard Controller, Electro mechanical, 3-Axis, Vector Solving with Twisting, Auto Scan, Preset Position, Auto Pan, Auto Tour, Pattern Control, Connectivity RJ-45, RS-232, RS-485, RS-422, USB, Communication mode direct & Network, 2x PTZ Cameras Integration, Warranty: 3 Years	No.	1		
6.		PoE Plus Switch 24P + 2 SFP	24-Port Gigabit PoE Switch and minimum 2 Gigabit SFP ports with 4x SFP (1G) modules, minimum 400W PoE Budget. Supply and installation at site. Warranty: 3 Years	No.	8		
7.		Metallic Panel	Metallic Panel: Metallic panel 16 gage powder coated black, for mounting 4x monitors (49 inches) with open space for cabling and control of monitors from behind along with a sliding ladder fixed at the back of panel. Warranty: 3 Years	No.	1		
8.		LED Screens	LED Type Color Monitors: Supply at site, installation of 49" 4K UHD Minimum 500 nits, ruggedized monitor for prolonged 24/7 operations , 2x 20meter HDMI cables with each LED, including cost of all necessary accessories and materials, complete in all respects.	No.	4		

			Warranty: 3 Years				
9.		Pole L-shaped	Pole: Supply and installation on site, 5 feet Vertical and 5 /2.5 Feet Horizontal Arm, 2" Radius 16 Gage.	No.	5		
10.		Installation and Testing/ Commissioning	Installation and Testing / Commissioning of Complete System	Job	1		
LOT E – Digital Signage							
1.		Digital Signage LED along with Distribution Play e Box	Model: HG55AE690 Series 55 Screen Size: 55 inches, Resolution: 1920 x 1080, TV Sound Connect Yes, BT Headset Support Yes, Connect Share™ (USB 2.0) Yes, Picture-In-Picture Yes, BT HID Built-in Yes, USB HID Support Yes. HDMI (Side/Rear) 2 / 1, USB (Side/Rear) 2 / 0, Ethernet (LAN) (Side/Rear), Wireless LAN Built-in Yes, along with 4x Distribution play e box (DHI-DPB18-A), with all necessary accessories required for installation/mounting of device , Supply and installation at site, with additional quantity of 12-volt & 1 Amp current power adapter for Distribution play e box (Qty 5), good quality HDMI cables 3m long (Qty 10) , Warranty: 3 Years (Same model need to be quoted to avoid compatibility issue as equipment is already installed)	No.	4		
2.		Installation, Testing/ Commissioning and Software Configurations	Installation, Testing/ Commissioning, software configurations and integration with existing system	Job	1		
LOT F – Access Control Management System							
1.		Biometric Device (Access Control Management System)	Brand/ Make: ZKteco Finger Print Capacity ≥ 30,000, Card Capacity ≥ 30,000, Transaction Capacity ≥ 600,000 , Communication: RS 232, Network card (TCP/IP), USB-Host, Wi-Fi, including all	No.	4		

			necessary accessories i.e. electric lock, door sensor, exit button, power adapter, back box etc. With additional quantity of 12-volt & 5 Amps power adapter (Qty - 10) Warranty: 3 Years (Device of same brand/ make need to be quoted to avoid compatibility issues as equipment is already installed)				
2.		Installation, Testing/ Commissioning and Software Configurations	Installation, testing/ commissioning, software configurations and integration with existing system (ZKteco application/ software)	Job	1		
LOT G – UPS							
1.		UPS (3KVA)	UPS APC or Equivalent Output Power Capacity: - 2.4kWatts / 3.0kVA Output Connections: - 5 or 6 C13 outputs, 1 or 2 C19 outputs Transfer Time: 4 ms typical, Output Frequency (sync to mains): 50/60 Hz +/- 3 Hz Input frequency: 40 - 70 Hz, Surge energy rating: 600Joules, Battery type: - Lead-acid battery, Typical recharge time: 4hour(s), Battery Charge Power (Watts): 234 Watts, input frequency: 40 - 70 Hz, input voltage range for main operations: 100 – 280, Including all required accessories / materials, Installation and testing/ commissioning on site, Warranty for UPS: 3 Years Warranty for Battery: 2 Years	No.	4		
LOT H – Public Addressing System							
1.		Amplifier for speakers	Digital microphone MEMS support, High efficiency Class-D speaker driver, Low power consumption, 16 bit audio data, Supports conventional telephony and HD voice (300Hz – 3.4kHz and 50Hz – 7kHz bandwidths), Supports audio bandwidths up to 21kHz, Supports 8/16/32/48 ksps sample rates, Flexible serial audio interface, SPI™/TWI control interface,	No	1		

			Small 24-lead VQFN Package, supply 1.8 – 3.6V, including all necessary accessories and materials, complete in all respects. Warranty: 3 Years				
2.		Zone Controller	Zone Controller for floor selection to make announcement, This color conversion kit includes 1 wall plate, 1 keypad bezel and 13 buttons for the MDK-C6 Multiline Display Keypad, Power Requirement(s): 275mA @ 12VDC MAX, Including all necessary accessories and materials, complete in all respects. Warranty: 3 Years	No	1		
3.		Mic Cable	Supply at site and installation of Mic cable with laying and termination, Conductor area 0.22 mm ² , AWG 24 , Composition of conductor 7 x 0.20 mm , Conductor resistance 79 Ohm/km , Capacity cond.-cond. (pF/m) 72 pF/m , additional description Stage/Studio split length (cable) = 0.4m , category Multicore diameter 15 ± 0.2 mm, including accessories.	Feet	1,000		
4.		Ceiling Mount Speakers	Power Supply & Consumption: DC 24V/1A, ≤3W, (Power over Ethernet): IEEE802.3af ,Network Protocol: TCP/IP, UDP, ARP, ICMP, IGMP, SIP, Built-in Amplifier: 30W/8Ω Class-D Power Amplifier, Network Chip Rate: 10/100Mbps, Audio Decoding: G.711a, G.711u, PCM, MP3, Sensitivity: 88dB±3dB/W/M, S/N , Frequency Response: ≥80dB, 100Hz~18kHz, Power Output (DC Adapter): 20W/8Ω, Power Output (POE): 15W/8Ω, , Working Temperature & Humidity: 20°C~50°C, ≤90%RH (Not Condensing), Dimensions & Weight: φ213x165mm, 1.4kg .Including cost of all required accessories / materials, complete in all respects Warranty: 3 Years	No	15		
5.		Gooseneck Mic	Voltage range 12 to 48 V Distortion <0.6% (maximum input) Equivalent input noise level 28 dBA SPL (S/N 66 dBA ref. 1 Pa) Frequency response 100 Hz to 16 kHz Output Impedance < 200 ohm. Including cost of	No	2		

			all required accessories / materials, complete in all respects. Warranty: 3 Years				
6.		Fast Cable 2 Core (Interconnectivity With Existing Blocks)	Fast Cable 2Core, Cable and accessories required for connectivity of new block with existing block.	Meter	4500		
7.		Installation and Testing/ Commissioning	Installation, Testing & Commissioning of complete System, Integration with existing system	Job	1		
LOT I – Exchange/Wired Communication System							
1.		UG Cable	100 Pair water proof (gauge 0.4mm)	Feet	1000		
2.		PVC Cable	25 Pairs (Branded)	Feet	200		
3.		DP-Box	200 Pairs with lightening protection unit (Huawei)	No	01		
4.		DP-Box	50 Pairs With Strip(Crone)	No	03		
5.		DDF Bracket With Stiips	200 Pair (Manufacturer: Crone)	No	01		
6.		UTP Cable Roll	Cat6 UTP 23 AWG solid cable – 305 m/ roll Preferably Orange Color	Roll	15		
7.		Connectors	Connectors RJ-11	No	200		
8.		Line Cord	Haff White Copper	Roll	03		
9.		Ducting	Haff White 16x16 (Adamjee)	Feet	400		
10.		Ducting	Haff White 16x25 (Adamjee)	Feet	100		
11.		Ducting	Haff White 40x60 (Adamjee)	Feet	50		
12.		PVC	Pipe 1 inch (Popular)	Feet	500		
13.		Telephone IO's	Telephone IO's (3M)	No	250		
14.		Face Plate twin shutter	Face Plate twin shutter Duble (3M)	No	80		
15.		Back Box	Back Box	No	80		
16.		Screw	Wooden Screw 1 inch	Pkt	3		
17.		Screw	Wooden Screw 1.5 inch	Pkt	3		
18.		Nail	Steel Nail 1 inch	Pkt	2		
19.		Nail	Steel Nail 2 inch	Pkt	2		
20.		Pipe	Flexi Pipe 2 inch	Feet	50		
21.		Pipe	Flexi Pipe 1 inch	Feet	50		
22.		Tape	Insulation Tape (Osaka)	No	12		
23.		Plug	Rawal Plug	Pkt	10		

24.	Tape	Double Tape (Osaka)	No	5		
25.	Tie	Cable Tie 8 No	Pkt	5		
26.	Installation and Testing/ Commissioning	Installation and Testing/ Commissioning of stores	No	1		
Total						

Firm Name:	_____
Signature:	_____
Name:	_____
Designation:	_____

Tender No _____
Name of the Firm _____
Firm Address _____
Date _____
Telephone No _____
E-Mail _____

To,

DD SCM Office
NUTECH University
I-12, Main IJP Road,
Islamabad.

Dear Sir

1. I / We hereby offer to supply to the NUTECH University the stores detailed in schedule to the tender inquiry or such portion thereof as you may specify in the acceptance of tender at the price offered against the said schedule and further agree that this offer will remain valid up to 90 days after opening of Financial offer and will not be withdrawn or altered in terms of rates quoted and the conditions already stated therein or on before this date. I / we shall be bound by a communication of acceptance to be dispatched within the prescribed time.

2. I / we have understood the instructions to Tenders and General Conditions Governing Contract available at NUTECH website and have thoroughly examined the specifications / drawing and / or patterns quoted in the schedule here to 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.

Yours Faithfully.

(Signature of Tenderer)

Designation

Date:

Individual signing tender and / or other documents connected with a contract must be signed by principal authorized rep/ OEM rep/ Authorized partner firm rep.

SPECIMEN FOR "ADVANCE PAYMENT BANK GUARANTEE"

Guarantee No: _____ Date _____ Amount: _____ Valid upto: _____

In Favour of:

National University of Technology (NUTECH), IJP Road, I-12, Islamabad

Subject: **Advance Payment Bank Guarantee**

Contract No: _____ DATED: _____

Dear Sir,

1. We [Name of Guarantor] understand that you have entered into contract with M/S [Name of Firm] (hereinafter called Our Client), for provision of [Name of Stores]. And as per the above mentioned Contract, you are liable to pay to Our Client an amount of [Amount of Guarantee] in advance, which shall be released against a Bank Guarantee. 2. Bank & seller firm shall inform your office regarding termination of the validity of this bank Guarantee one clear month before the actual expiry date of this Bank Guarantee.

3. Now, we hereby irrevocably undertake to immediately make payment on to your orders, merely upon receipt of your first written notice, an amount not exceeding [Amount of Guarantee] that may be claimed by you at your own discretion without it being necessary for you to prove or even assert to the Bank any default whatsoever of Our Client under the Contract.

4. Claims against this Guarantee shall be lodged on us through written request/s on your proper Letter Head. Unless claims are not presented on or before the Validity Date, all rights and benefits under this guarantee shall be forfeited and we shall be released from all claims, demands or liabilities of any kind whatsoever.

5. This Guarantee shall remain in force up to the above mentioned Validity Date which can however, be extended upon request of Our Client.

Yours faithfully,

Signature: _____

Name: _____

Designation: _____

Bank Stamp:

"SPECIMEN FOR BANK GUARANTEE AGAINST PERFORMANCE/WARRANTY GUARANTEE"

Guarantee No: _____ Date _____ Amount: _____ Valid upto: _____

In Favour of: National University of Technology (NUTECH), IJP Road, I-12, Islamabad

Subject: In compliance with terms of Performance/Warranty Guarantee Bank Guarantee

Contract No: _____ dated _____

Dear Sir,

1. Whereas your good-self have entered into Contract No__ dated_ with M/s [Firm Name] Located at [Firm Address], Herein after referred to as our customer and that one of the conditions of the Contract is submission of Bank Guarantee by our customer to your good-self for a sum of [Amount].

2. Incompliance with this stipulation of subj contract, we hereby agree and undertake as under:-

- a. To pay to you unconditionally on demand and / or without any reference to our Customer an amount not exceeding the sum of [Amount] as would be mentioned in your written Demand Notice.
- b. To keep this Guarantee in force till [Validity Date].
- c. That the validity of this Bank guarantee shall be kept two clear year ahead of the original / extended delivery period or the warrantee of the stores which so ever is later in duration on receipt of information from your office. Our liability under this Bank Guarantee shall cease on the closing of banking hours on the last date of validity of this Bank Guarantee. Claim received there after shall not been entertained by us whether you suffer a loss or not. On receipt of payment under this Guarantee, this documents i.e., Bank Guarantee must be clearly cancelled, discharged and returned to us.
- d. That we shall inform your office regarding termination of the validity of this bank Guarantee on clear month before the actual expiry date of this Bank Guarantee.
- e. That with the consent of our customer you may amend / alter any term / cause of the contractor add / delete any term / clause to / from this contract without making any reference to us. We do not reserve any right to receive any such amendment / alternation or addition / deletion provided such like actions do not increase our monetary liability under this Bank Guarantee which shall be limited only [Amount.....].
- f. That the bank guarantee herein before given shall not be affected by any change in the constitution of the Bank or Customer / Supplier or Vendor.
- g. That this is an unconditional Bank guarantee, which shall been cashed on sight

on presentation without any reference to our Customer / Supplier or Vendor.

Signature_____

Name_____

Desig_____

Bank Stamp_____

Note: No changes in the above given BG format shall be accepted.

"SELLER'S WARRANTY CERTIFICATE"

(To be provided on stamp paper)

Contract No: _____

Dated: _____

Validity _____ years from the date of final acceptance of the Stores.

We hereby guarantee that we are the genuine and original Source of provisioning the Stores to our Buyer. We also undertake that nothing in the manufacturing of these Stores has been obtained through unauthorized means.

1. We hereby warrant and undertake that the Stores and all the associated spares/ accessories supplied under the terms and conditions of the above Contract, are:
 - a. brand new, complete in all respects, possessing good quality and standard workmanship; and
 - b. liable for replacement/rectification free of charge, if during the Warranty period the same are found defective before or under normal use or these do not remain within the limits and tolerances stated under the specifications or in any way not in accordance with the terms of this Contract. All expenses incurred in removal, re-provisioning and reinstallation of such defective Stores or their parts shall also be borne by us.
2. The Warranty shall remain valid for a period of _____ years from the date of final acceptance of the Stores.

Signature & Stamp _____

Name & CNIC _____

Designation: _____

Date: _____

**Sellers warranty must be provided by the Seller (firm) on Rs 100 stamp paper along with bank guarantee/CDR/Pay Order without changing a word. BG with additional clauses will be rejected.

CHECK LIST**(This checked list must be attached with your technical offer, duly filled and****Signed by authorized signatory)**

Tender No _____

Date _____

1	Tender Processing Fee	a. Tender processing fee ref no _____ b. Bank _____ c. Amount _____		
2	EM/ Bid Bond	a. EM/ Bid Bond ref no _____ b. Bank _____		
3	Form Annex A, A-1, B and C signed by Authorized Signatory		Yes	No
4	Offering specification of items as per IT		Yes	No
5	Quoted Currency as per IT		Yes	No
6	Accounting unit/Qty as per IT		Yes	No
7	Delivery Schedule as per IT		Yes	No
8	Country of origin of store _____			
9	Name of OEM:- _____			
10	Original Performa invoice (Mandatory)		Yes	No
11	Certified that there is no Deviation from IT conditions/ there is deviation from IT condition as per fol details		Yes	No
12	Blacklisting certificate.		Yes	No
13	Verifiable OEM Certificate		Yes	No
14	Warranty Period as per IT		Yes	No
15	ATPs provided		Yes	No

Note: Fill and/or mark Yes/No where required

Signature of Firm Auth Signatory