

Tender Document

Containing

Details of the Devices / Specifications and Terms and Conditions

For

MAINTENANCE OF CAMPUS WIDE NETWORK

Estimated Cost: INR 70 Lakh

Last Date of submitting Tender document: 21/09/2021



National Institute of Technical Teachers' Training & Research

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<http://www.nitttrkol.ac.in>

National Institute of Technical Teachers' Training & Research

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Website: <http://www.nitttrkol.ac.in>

Sealed tenders are invited from manufacturer or their Authorized Business Partner / Authorized service Providers / Authorized Distributors for:

MAINTENANCE OF CAMPUS WIDE NETWORK

The details of the specifications and terms and conditions are available on the Institute Website from 26/08/2021. Interested vendors may submit their quotation on or before 21/09/2021 latest by 3:30 p.m. along with a Demand Draft of Rs. 500/- in favour of "Director, NITTTR, Kolkata" payable at Kolkata. Opening of Technical Bid will be done at the Institute on 21/09/2021 at 4:00 p.m.

Advt. No.: 08/2021-22

Director

A. SPECIFICATION OF THE SYSTEM

Preamble: The existing Network Infrastructure is based on high bandwidth backbone network through redundant OFC link connected between the various buildings inside the FC Block Institute Campus. The network has a core-distribution-access topology with building to building 20G connectivity. The WIFI Campus network is having both internal and external Access-Points with gigabit wireless connection. The WIFI system is controller based and having radius authentication through ISE. The Institute is connected through NKN network with two router connectivity followed by UTM that provide security to the DMZ and Internal Network from the public network.

The present network infrastructure has been installed in phases within a time span of 2014 to 2015. The Router and UTM (Firewall) have been installed during 2014, whereas the Switches, WLC, ISE and Access point have been installed in 2015.

The system is at present in working condition as a whole, however some devices / equipment like switches, firewall are not functioning properly. Vendors are requested to inspect the system and quote accordingly. The Institute expect that the vendor who will quote for this tender will provide a comprehensive solution including AMC with back-to back support from the OEM as well as provide replacement / buyback of the non-functional devices / equipment with new devices / equipment having 3 years comprehensive warranty with Next Business Day (NBD) support. In case of AMC back to back support is required from the OEM and relevant document from the OEM Website should be provided.

The institute proposes to procure the Comprehensive AMC services with parts and labour with NBD support from one of the reputed vendors who will look after the system for the subsequent 3 years along with expansion of the Network Infrastructure up to 20 percent and also include the provision for a second Internet Connectivity. The vendor should ensure the system uptime of 99% or more.

The price for the AMC as well as warranty with provision for second Internet connectivity should be given as a comprehensive offer including all taxes and duties and other incidental charges.

Detailed Specification of the devices / equipment

Sl. No.	Device Name	Specifications	Part No / Serial Number	Status	AMC/ Buyback
1	Institute Gateway Router Cisco – 2921	Cisco 2921 Router w/3 GE, 4 EHWIC, 3 DSP, 1 ISM, 256MB CF,512MB DRAM, IPB, 3 integrated 10/100/1000 Ethernet ports. (Cisco 2921 Router ISR G2)	CISCO2921-K9/ FGL182710DU	Functional	AMC
2	Firewall – UTM	Juniper SRX 550 H	AL3115AK0068	Functional	Buyback
3	ISE	AAA Server Appliance based on LDAP compliance for Identity Management, Intel Xeon Processor E5 2600 V2 series, 2.4 GHz 10 MB Cache and 8 cores (Cisco ISE 3495)	SNS-3495-K9/ FCH1920V2UE	Functional	Buyback
4	Institute Gateway Switch Cisco 3750 L3	Cisco Catalyst 3750X-24T Switch Layer 3, 24 x 10/100/1000 Ethernet Ports, Data IP Base - Managed - Stackable - Stack wise plus with 64G stacking bandwidth, Four optional uplink network modules with GE or 10GE ports. DRAM 256 MB, Flush 128 MB	WS-C3750X- 24T-S/ FDO1818P2FW	Functional	Buyback
5	Core Switch A	16 Nos. 10G SFP+ port L3 Managed Switches, Ports expandable to 24 Nos. 10G SFP+ Ports, DRAM 4GB & Flash 2 GB (Cisco 4500 series)	WS-C4500X- 16SFP+/ JAE1911009K	Functional	AMC
6	Core Switch B		WS-C4500X- 16SFP+/ JAE1911009V		
7	Distribution Switch A	24 port Gigabit L3 Managed Switch with 2 SFP+ Ports, 24 x 10 / 100 / 1000 Mbps Ethernet ports + 2x 10G SFP+ Ports, DRAM 256 MB & Flash 128 MB (Cisco WS 2960-XR series)	WS-C2960XR- 24TD-I/ FDO1904I07W	Functional	AMC
8	Distribution Switch B		WS-C2960XR- 24TD-I/ FDO1903I0QV		
9	Distribution Switch C		WS-C2960XR- 24TD-I/ FDO1910I00S	Non-Functional	Buyback
10	Server FARM Switch1	24 port Gigabit L3 Managed Switch with 2 SFP+ Ports, 24 x 10 / 100 / 1000 Mbps Ethernet ports + 2x 10G SFP+ Ports, DRAM 256 MB & Flash 128 MB (Cisco WS 2960-XR series)	WS-C2960XR- 24TD-I/ FDO1910I00R	Functional	AMC
11	Server FARM Switch2		WS-C2960XR- 24TD-I/ FDO1910I00Q		

Sl. No.	Device Name	Specifications	Part No / Serial Number	Status	AMC/ Buyback
12	WLC	Wireless LAN Controller with built – in Radius, 100 Nos. of Access Points supported with Licensing and scalable up to 500 no. of Access Points for each Wireless LAN Controller (Cisco 5508 series)	AIR-CT5508-K9/FCW1913B0SW	Functional	AMC
13	WLC		AIR-CT5508-K9/FCW1913B0SZ		
14	WI-FI Network PoE Access Switch	24 port Gigabit L2 Managed Switch with 4 SFP Ports, 24 x 10/100/1000 Mbps Power Over Ethernet (POE/ POE+) ports + 4 SFP Ports, DRAM 256 MB & Flash 64 MB (Cisco WS 2960-X 24 Gig E POE/POE+ series)	WS-C2960X-24PS-L / FCW1912A0QS	Non-Functional	Buyback
15	WI-FI Network PoE Access Switch		WS-C2960X-24PS-L / FOC1913S059		
16	WI-FI Network PoE Access Switch		WS-C2960X-24PS-L / FCW1912A0RD		
17	WI-FI Network PoE Access Switch		WS-C2960X-24PS-L / FCW1912A0Q2	Functional	AMC
18	WI-FI Network PoE Access Switch		WS-C2960X-24PS-L/ FOC2329T51A		
19	WI-FI Network PoE Access Switch (for Mandhana Mishra Hostel)	24 port Gigabit L2 Managed Switch with 4 SFP Ports, 24 x 10/100/1000 Mbps Power Over Ethernet ports (POE / POE+) + 4 SFP Ports, DRAM 256 MB & Flash 64 MB (Cisco WS 2960-X 24 Gig E POE series)	WS-C2960X-24PS-L / FOC1912S516	Non-Functional	Buyback
20	L2 Switch for Wired Network of CSE Dept. (<i>Access Switch</i>)	Cisco Catalyst Switch 2960-48TT-L Layer 2, 48 x 10/100 Ports, 2 Ethernet 10/100/1000 Ports, LAN Base Managed Switch. DRAM 64 MB, Flush 32MB (WS-C2960-48TT-L Cisco 2960 Switch)	C2960X-48TT-L / FOC1015X1WY	Functional	Buyback
21	L2 Switch for Wired Network of CSE Dept. (<i>Access Switch</i>)		C2960X-48TT-L / FOC1016X1KH	Functional	Buyback
22	L2 Switch for Wired Network of CSE Dept. (<i>Access Switch</i>)		C2960X-48TT-L / FOC1114Z6WR	Functional	Buyback

Sl. No.	Device Name	Specifications	Part No / Serial Number	Status	AMC/ Buyback
23	L3 Switch for Wired Network in ICC (Access Switch)	WS-C3750G-24T-S - Cisco Catalyst 3750 Series 24-Port 10/100/1000T RJ-45 Manageable Rack-Mountable L3 Switch DRAM 128MB, Flush 16 MB. (Cisco Catalyst 3750 Series)	WS-C3750G-24TS-L / FDO1420X3SN	Functional	Buyback
24	L2 Switch for Wired Network in ICC (Access Switch)	Cisco Catalyst Switch 2960-48TT Layer 2, 48 x 10/100 Ports, 2 Ethernet 10/100/1000 Ports, LAN Base Managed Switch. DRAM 64 MB, Flush 32MB. (WS-C2960-48TT-L Cisco 2960 Switch)	WS-C2960-48TT-L / FOC1410X2GH	Functional	Buyback
25	Cisco 24 Port L2 Switch	Catalyst 2960-X 24 GigE, 4 x 1G SFP, LAN Base Layer 2 stackable switch. DRAM 512MB, Flush 128 MB	WS-C2960X-24TS-IN / JIN23121039	Functional	AMC
26	Cisco 24 Port L2 Switch	(Cisco catalyst 2960X-24TS-L)	WS-C2960X-24TS-IN / JIN225110F8	Functional	AMC
27	L3 Switch for Wired Network in CAD/CAM (Access Switch)	WS-C3750G-24T-S - Cisco Catalyst 3750 Series 24-Port 10/100/1000T RJ-45 Manageable Rack-Mountable L3 Switch. DRAM 128MB, Flush 16 MB. (Cisco Catalyst 3750 Series)	WS-C3750G-24T-SV10/ FDO1504X03W	Functional	Buyback
28	POE enabled Indoor Access Points	Cisco Indoor Access Point 1702 series	AIR-CAP-1702I-D-K9: 85 Nos	Functional	AMC
29	Outdoor Access Point	Cisco Outdoor Access Point 1552 series	AIR-CAP-1552E-N-K9: 11 Nos	Functional	AMC
30.	24 Port Gigabit Switch in Academic Sec. (Access Switch)	D-Link DGS-1024D, 24 x 10/100/1000 Ports	PVKJ5F6000927	Functional	AMC
31.	24 Port Gigabit Switch in Director Sect. (Access Switch)	D-Link DGS-1024D, 24 x 10/100/1000 Ports	PVKJ5F6000957	Functional	AMC
32.	24 Port Gigabit Switch in Accounts Sec. (Access Switch)	D-Link DGS-1024C, 24 x 10/100/1000 Ports	QS831FB002249	Functional	AMC
33.	24 Port Gigabit Switch in Elect. Eng. Dept. (Access Switch)	D-Link DGS-1024D, 24 x 10/100/1000 Ports		Non-Functional	Buyback

Sl. No.	Device Name	Specifications	Part No / Serial Number	Status	AMC/ Buyback
34.	24 Port Gigabit Switch in CSE Dept. (<i>Access Switch</i>)	D-Link DGS-1024D, 24 x 10/100/1000 Ports	PVKJ5E6001947	Functional	AMC
35.	24 Port Switch in CSE Dept. (<i>Access Switch</i>)	D-Link DES-1024C, 24 x 10/100 Ports	QXAA2HA000586	Functional	AMC
36.	16 Port Switch in Mech. Dept. (<i>Access Switch</i>)	D-Link 16 x 10/100 Ports	QS5P2H3003640	Functional	AMC
37.	16 Port Switch in Library (<i>Access Switch</i>)	D-Link DES-1016D, 16 x 10/100 Ports	F306387006673	Functional	AMC
38.	16 Port Switch in Civil. Dept. (<i>Access Switch</i>)	D-Link DES-1016D, 16 x 10/100 Ports		Functional	AMC
39.	16 Port Switch in Civil. Dept. (<i>Access Switch</i>)	D-Link DES-1016D, 16 x 10/100 Ports		Functional	AMC
40.	8 Port Gigabit Switch in LRC	D-Link 8 x 10/100/1000 Ports	QBTJ2F5004004	Functional	AMC
41.	8 Port Gigabit Switch in Administration	D-Link 8 x 10/100/1000 Ports	QBTJ2E6000869	Functional	AMC
42.	8 Port Gigabit Switch in CSE Dept.	D-Link 8 x 10/100/1000 Ports	SY1Y1GA001490	Functional	AMC
43.	8 Port Gigabit Switch	D-Link 8 x 10/100/1000 Ports	SY1Y1GA001484	Functional	AMC
44.	8 Port Switch	Mercusys MS108 (EU), 8 x 10/100 Ports	2185235015624	Functional	AMC
45.	8 Port Switch in CSE Dept.	D-Link DES-1008D, 8 x 10/100 Ports		Functional	AMC
46.	8 Port Gigabit PoE Switch	TP-Link 8 x 10/100/1000 Ports, 2SFP	TL-SG2210P	Functional	AMC
47.	8 Port HI-PoE Switch	Hikvision	DS-3E1310P-E	Functional	AMC
48.	8 Port Gigabit PoE Switch in DN Block			Functional	AMC
49.	8 Port Gigabit PoE Switch in DN Block			Functional	AMC

- PS:**
- i) For Sl. No. 1-27 and Sl. No. 30-49 one each for every item has been installed in the system
 - ii) For Sl. No. 28 there are 85 items that are installed
 - iii) For Sl No. 29 there are 11 items that are installed.

Detailed Specification of Additional Devices / Equipment

The following active components should be quoted separately which would be integrated into the system for future / ad-hoc requirements / expansion (minor). The number of items may change at the time of placement of order

Sl. No.	Device Name	Specifications	Remarks
50	Router Cisco ISR 4331 or equivalent (1 NO.)	<ul style="list-style-type: none"> • 3Nos. of 1G copper interface plus AUX, CON and MGMT port • 4GB of DRAM with 4GB Flash drive • Throughput of 100 Mbps from day 1 with scalability of 300 Mbps. • 250 MPPS for IPv4 and 125 MPPs for IPv6Support for 9000 bytes Jumbo frames • Should support RIP, OSPF, Policy based routing, STP, Multicast routing and static routing. • The router should support security protocol such as IPSEC, QoS, NAT and Firewall Services. • The router should come with redundant Power Supply from Day 1. • 3 years comprehensive warranty with NBD and advance parts replacement should be offered. 	Expansion Provision for Additional Internet Connection
51	24 port Gigabit L2 POE / POE+ Managed Switch (1 No)	<ul style="list-style-type: none"> • 24 x 10/100/1000 Mbps POE / POE+ including 2 SPF port. Should have USB (Type-B) and RJ-45 console port • 2GB of DRAM and 2GB Flash Drive • Should have Switching fabric of 100 Gbps • Should support 16K or higher MAC Address Table • Able to configure 1500 ACL and 500VLAN • Minimum of 370 W Redundant Power Supply • 3 years comprehensive warranty with NBD and advance parts replacement should be offered. 	Expansion Provision for Welding Centre & Director's Quarter
52	48 Port Gigabit Managed Switch (2 Nos)	<ul style="list-style-type: none"> • 48 x 10/100/1000 Mbps + 2 SPF port. Should have USB (Type-B) and RJ-45 console port • 2GB of DRAM and 2GB Flash Drive • Should have Switching fabric of 150 Gbps • Should support 16K or higher MAC Address Table • Able to configure 1500 ACL and 500VLAN • Redundant Power Supply • 3 years comprehensive warranty with NBD and advance parts replacement should be offered. 	Expansion Provision for Entire Network
53	24 port Unmanaged Switch (10 Nos.)	<ul style="list-style-type: none"> • 24 x 10/100 Mbps switch of unmanaged configuration • Should have a switching fabric of 4Gbps or higher • 3 years comprehensive warranty with NBD and advance parts replacement should be offered. • Dlink/Netgear /TPlink or reputed brand 	Switches for Expansion t of unmanaged subnet
54	8 port Unmanaged Switch (5 Nos.)	<ul style="list-style-type: none"> • 8 x 10/100 Mbps switch of unmanaged configuration • Should have a switching fabric of 1.5Gbps or higher • 3 years comprehensive warranty with NBD and advance parts replacement should be offered. 	Switches for Expansion of unmanaged subnet

Sl. No.	Device Name	Specifications	Remarks
55	Line interactive 1KVA UPS for Switch power Protection (1 No)	<ul style="list-style-type: none"> 1 KVA 15 minutes back-up line interactive UPS 3 years comprehensive warranty with parts and labour. 	Power Supply for Switches in Welding Centre and Director's Quarter
56	Line interactive 3 KVA UPS for Switch power Protection (3 Nos.)	<ul style="list-style-type: none"> 3 KVA 15 minutes back-up line interactive UPS 3 years comprehensive warranty with parts and labour. 	Power Supply for Switches in ICV Bhawan / SRK Bhawan, MM Hostel

Passive components (Consumables & Tools)

Sl. No.	Device Name	Specifications	Remarks
57	SFP /SFP+ module (10 Nos.)	<ul style="list-style-type: none"> SFP / SFP+ MM 10 Gig module 	For fixing at SPF/ SFP+ port
58	Patch Cord (30 Nos)	<ul style="list-style-type: none"> Cat 6 RJ-45 connector prefabricated patch cord of length 1 meter length 	
59	Patch Cord (30 Nos)	<ul style="list-style-type: none"> Cat 6 RJ-45 connector prefabricated patch cord of length 2 meter length. 	
60	Patch Cord (10 Nos)	<ul style="list-style-type: none"> Cat 6 RJ-45 connector prefabricated patch cord of length 5 meter length. 	
61	Ethernet I/O (100 PC)	<ul style="list-style-type: none"> Cat 6 Ethernet I/O for Ethernet Cable termination 	
62	Ethernet I/O Box (30 PC)	<ul style="list-style-type: none"> Ethernet I/O Box with face plate 	
63	Crimping Tool (1 No)	<ul style="list-style-type: none"> Crimping Tool for RJ-45 / RJ11 of reputed brand such a D-link / Molex / etc. 	
64.	Punching Tool	<ul style="list-style-type: none"> Punching Tool of Reputed Brand such as D-link / Molex 	

The vendor should maintain the existing passive components which are integral part of the campus Wide Network including Under Ground OFC, Fibre Optics terminations, LIU, Pig tails, Patch Panel, Ethernet terminations, PDU of Network Rack, etc.

B. Terms & Conditions:

1. The tenderer(s) should preferably be either manufacturer of devices / equipment / appliance or an Authorized Business Partner / Authorized Service Partner / service agent of the OEM. In case of Authorized Business Partner / Authorized Service Partner / service agent, for Firewall and Routers *Manufacturer's Authorization Form (MAF)* from Original Equipment Manufacturer (OEM) is required.
2. The brands / models / specifications of the existing devices / equipment mentioned are to be considered for AMC. In case of replacement / buyback of the devices / equipment equivalent or higher configuration products may be quoted. Equivalent product, if any, should match (or be higher) with the specification mentioned in the tender document. However, for equivalent product, the tenderers should provide sufficient documents to justify equivalence. Additional models may also be quoted separately.
3. The tenderer should provide buyback value of old items separately.
4. The replacement / buyback devices / equipment system should be as per the specification and should be 100% compatible with the existing system available in the Institute. Prospective tenderer(s) may visit National Institute of Technical Teachers' Training and Research (NITTTR), Kolkata with prior appointment for this purpose. The Institute at its discretion may upgrade / modify the specification if required.
5. The rate quoted must be F.O.R. NITTTR, KOLKATA inclusive of packing, forwarding, installation including fixing, cabling, operational training, etc. Excise duty, GST, Cess and Insurance, if any must be indicated separately. Educational discount, if any should be indicated clearly. For imported items, Custom duty shall be indicated separately. NITTTR,
 - 5.1 NITTTR, KOLKATA will not provide Way Bill, wherever applicable.
 - 5.2 As a Research Institute NITTTR, Kolkata is subject to GST at a rate not more than 5 % as National Institute of Technical Teachers' Training & Research, Kolkata (West Bengal) is registered with the Department of Scientific and Industrial Research (DSIR) for purpose of availing Custom Duty exemptions in terms of Notfn. No. 51196- Custom dt. 23.07.1996, Notfn. No. 2812003- Customs dt. 01.03.2003, Notfn. No. 4312017 Customs dt. 30.06.2017 & Notfn. No 4712017 – Integrated Tax (Rate) dt. 14.11.2017, Notfn. No. 10/2018- Integrated Tax(Rate) dt. 25.01.2018 and Notfn. No. 4512017- Central Tax (Rate) dt. 14.11.2017, Notfn. No. 4512017 – Union Territory Tax (Rate) dt. 14.11.2017 & Notfn. No. 9/2018 – Central Tax (rate) dt. 25.01.2018, Notfn. No. 9/2018- Union Territory Tax (rate) dt. 25.01.2018, as amended from time to time for research purpose only.
 - 5.3 All legal disputes shall be under the jurisdiction of the Kolkata Courts in the state of West Bengal.
 - 5.4 Director, NITTTR, Kolkata reserves the right to accept or reject any or all the tenders without assigning any reason whatsoever and decision of the Director, NITTTR, Kolkata in the matter shall be final and binding.
6. **Earnest Money Deposit (EMD):**
 - 6.1 EMD for amount **Rs. 2,80,000/- (Rupees Two Lakhs eighty thousand only)** in the form of Crossed Account payee demand draft or fixed deposit receipt from

commercial bank or Bank guarantee from a commercial bank drawn in favour of **Director, NATIONAL INSTITUTE OF TECHNICAL TEACHERS' TRAINING AND RESEARCH, KOLKATA** on any scheduled bank at Kolkata shall be submitted along with the tender. Tender without earnest money deposit shall be **OUTRIGHT REJECTED**. A model format of bank guarantee for furnishing EMD is enclosed in Annexure – A.

- 6.2 Forfeiture of EMD: EMD of a tenderer will be forfeited if the tenderer withdraws or amends its tender or impairs or derogates from the tender in any respect within the period of validity of its tender. Further, if the successful tenderer fails to furnish the required performance security within the specified period, its EMD will be forfeited.
- 6.3 Refund of EMD: EMD furnished by all unsuccessful tenderers shall be returned to them without any interest whatsoever, at the earliest after expiry of the final tender validity period but not later than 30 days after conclusion of the contract. EMD of the successful tenderer shall be returned, without any interest whatsoever, after receipt of performance security from it as called for in the contract.
- 6.4 No EMD is required from bidders who are registered with (i) Central Purchase organization (ii) NSIC, (iii) the concerned Ministry or Department, and (iv) similar other Organisation as applicable.
- 6.5 EMD in the form of DD / Cheque / FD / Bank guarantee should be in a separate envelop superscribing **"EMD"**.

7. **Each bidder shall submit only one tender.**

8. **Validity of Tender:**

Tender shall remain valid for a period not less than 6 months after the deadline date specified for submission.

9. **Delivery and Installation Period:**

Vendor should provide the delivery of the replacement / buyback devices / equipment within 45 days from the award of the Purchase Order. Additional 15 days will be provided for installation and commissioning of the equipment.

10. **Submission of Documents**

The tender should inter alia include the following (as applicable):

- 10.1 Printed copy of the brochure / leaflet containing, Make, Model No. and specifications of the devices / equipment that will be replaced with buyback offer.
- 10.2 Copy of GST Registration certificate.
- 10.3 Copy of the latest Income Tax acknowledgement (preferably F.Y. 2019-20) and PAN No.
- 10.4 Copy of valid Trade License.
- 10.5 Copy of valid excise duty Clearance Certificate, if applicable
- 10.6 Copy of valid custom duty clearance certificate, if applicable
- 10.7 Copy of valid registration certificate from State/Central Government.
- 10.8 Copy of valid registration certificate of SSI Unit, if any.

- 10.9 The Tenderer (s) may furnish a list of clients serviced during the last three (3) years along with satisfactory completion certificates and furnish audited accounts for last three years.
- 10.10 Copy of work order of similar items provided to educational institute.

11. Bid Price:

While furnishing the quoted price, the tenderer(s) may note the following:

- 11.1 The contract shall be for each item of equipment / instrument / software as mentioned in the schedule of goods/services. Corrections, if any in quoted price, shall be made by crossing out, initializing, dating and rewriting.
- 11.2 All duties, taxes and other levies payable by the vendor under the contract shall be included in the total price and Taxes should be quoted separately.
- 11.3 The rates quoted by the bidder shall be fixed for the duration of the contract and shall not be subject to adjustment on any account, except revision of taxes and duties.
- 11.4 The prices should be quoted in Indian Rupees only.
- 11.5 The rate quoted must be both in words and figures.
- 11.6 The quantity against each item mentioned in the tender may vary according to the actual requirement at the time of placing Purchase Order.
- 11.7 **Liquidated Damages / Penalty Clause for Late delivery and Late Installation**
- (a) In case of delay in supply (i.e. after the latest period of delivery) and installation on part of the supplier, a penalty @0.5% per week of order value will be charged for delayed period subject to maximum of 10% of the order value.
- (b) The same rate of penalty shall be applicable for late installation of the equipment also.
- 11.8 Late Bids: In the case of Advertised Tender Enquiry late bids (i.e. bids received after the specified date and time) should not be considered.

12. Award of Contract:

The NITTTTR, KOLKATA will award the contract to the bidder whose tender has been determined to be substantially responsive in terms of technical specifications, terms & conditions and price quoted.

- 12.1 Notwithstanding the above, NITTTTR, KOLKATA reserves the right to accept or reject any tenderer(s) and to cancel the bidding process and reject all tenderer(s) at any time prior to the award of contract.
- 12.2 The bidder whose bid is accepted will be notified of the award of contract by the NITTTTR, KOLKATA prior to expiration of the tenderer(s) validity period. The accepted terms of the offer shall be incorporated in the purchase order.

13. Performance Security:

- 13.1 Performance security at the rate of 10 % of the contract value in the form of account payee demand draft, fixed deposit receipt from commercial bank or Bank guarantee from a commercial bank in favour of Director, NITTR, Kolkata shall be submitted within 21 days after the notification of the award of contract. Performance security should remain valid for a period of sixty days beyond the date of completion of all contractual obligations of the supplier, including warranty obligations. A model format of Bank guarantee for providing performance security is enclosed at Annexure –B. The institute will release the payment once performance security is received.
- 13.2 Forfeiture of Performance Security: Performance security is to be forfeited and credited to the Institute Account in the event of a breach of contract by the supplier, in terms of the relevant contract.
- 13.3 Refund of Performance security: Performance security should be refunded to the supplier without any interest, whatsoever, after it duly performs and completes the contract in all respects but not later than 60 days of completion of all such obligations under the contract.

14. Payment:

Payment will be made once the following two conditions are satisfied:

- 14.1 Replacement / Buyback / Additional Devices / Equipment will be delivered, tested, installed, integrated with the existing system and accepted by the Institute (as the case might be), and
- 14.2 AMC will start once the system is found in full working condition and the Institute receives the back to back support document with NBD support and declaration from the vendor in this regard.

15. Commercial Warranty/ AMC / Support:

All replacement / buyback should be done with new devices / equipment having comprehensive warranty of three years with NBD Support. Additional devices (as the case might be) shall also have comprehensive warranty of three years with NBD support. Warranty will commence from the date of installation-cum-commissioning of the newly procured devices / equipment. The same shall be applicable for the replaced devices / equipment under the process of buyback offer and this should be specified clearly by the bidder. Vendor should ensure that start date of warranty from the manufacturer accordingly. AMC will commence once the entire replacement / buyback process is completed and the entire system is found in full working condition with all its details. A maximum of 15 calendar days will be assigned for this exercise. The AMC for the entire system will consist of handling of the passive components such as Ethernet Cabling, OFC, LIU, Patch Panel, IO boxes, Access Points and other passive components along with other active components as mentioned in Technical Specification.

16. Live Demonstration:

Live demonstration of the item(s) should be arranged by the vendors at their cost, if asked by the Institute before issue of work order.

17. **Evaluation of Tender:**

Bids to be obtained in single part

The Institute shall evaluate, segregate, rank the responsive bids and select the successful bidder for placement of the contract.

18. Points which are not explicitly covered under “**terms and conditions**” above shall be covered by Manual on Policies and Procedures for Purchase of Goods circulated by Ministry of Education, Govt. of India and **General Financial Rules 2017** by Govt. of India. A copy of the same is available in the office of the Institute Computer Centre (ICC) for perusal of the tenderers. Tenderers are advised to go through the manual before submission of their tenderers. A soft copy of the manual can also be downloaded from <http://finmin.nic.in/>.
19. The non-transferable tender document excluding standard agreement form can be obtained from the Office of the Accountant as per above users on payment of ₹ 500/- (**Rupees Five Hundred only**) in cash or Demand Draft in favour of the Director, NITTTR, Kolkata. **The users of downloaded tender document shall have to pay the cost of tender document i.e. ₹ 500/- by way of Demand Draft in favour of the Director, NITTTR, Kolkata payable at Kolkata while submitting their tender. Otherwise the Tender will not be accepted.**

You are requested to provide your offer as per schedule provided in Notice Inviting Tender in the sealed envelope super-scribing “**Tender Advt. No. -- /2021-22**”

To,
Director,
National Institute of Technical Teachers’ Training and Research,
Block – FC, Sector – III,
Salt Lake City, Kolkata – 700 106
PIN: 700 106 Tel. No. +91(033) 66251900
Fax No. 2337-6331

ANNEXURE - A

MODEL BANK GUARANTEE FORMAT FOR FURNISHING EMD

Whereas(hereinafter called the "tenderer").....has submitted their offer datedfor the supply of.....(hereinafter called the "tender").....against the purchaser's tender enquiry No. KNOW ALL MEN by these presents that WE ofhaving our registered office atare bound unto..... (hereinafter called the "Purchaser")in the sum of for which payment will and truly to be made to the said Purchaser, the Bank binds itself, its successors and assigns by these presents. Sealed with the Common Seal of the said Bank thisday of20

THE CONDITIONS OF THIS OBLIGATION ARE:

- (1) If the tenderer withdraws or amends, impairs or derogates from the tender in any respect within the period of validity of this tender.
- (2) If the tenderer having been notified of the acceptance of his tender by the Purchaser during the period of its validity:-
 - a) If the tenderer fails to furnish the Performance Security for the due performance of the contract.
 - b) Fails or refuses to accept / execute the contract.

WE undertake to pay the Purchaser up to the above amount upon receipt of its first written demand, without the Purchaser having to substantiate its demand, provided that in its demand the Purchaser will note that the amount claimed by it is due to it owing to the occurrence of one or both the two conditions, specifying the occurred condition or conditions.

This guarantee will remain in force upto and including 45 days after the period of tender validity and any demand in respect thereof should reach the Bank not later than the above date.

(Signature of the authorized officer of the Bank)
Name and designation of the officer

Seal, name & address of the Bank and address of the Branch

ANNEXURE – B

MODEL BANK GUARANTEE FORMAT FOR PERFORMANCE SECURITY

To
The Director,
NITTTR, Kolkata

WHEREAS
(name and address of the supplier) (hereinafter called "the supplier") has undertaken, in pursuance of contract no dated to supply (description of goods and services) (herein after called "the contract").

AND WHEREAS it has been stipulated by you in the said contract that the supplier shall furnish you with a bank guarantee by a scheduled commercial recognized by you for the sum specified therein as security for compliance with its obligations in accordance with the contract;

AND WHEREAS we have agreed to give the supplier such a bank guarantee;

NOW THEREFORE we hereby, affirm that we are guarantors and responsible to you, on behalf of the supplier, up to a total of
..... (amount of the guarantee in words and figures), and we undertake to pay you, upon your first written demand declaring the supplier to be in default under the contract and without cavil or argument, any sum or sums within the limits of (amount of guarantee) as aforesaid, without your needing to prove or to show grounds or reasons for your demand or the sum specified therein.

We hereby waive the necessity of your demanding the said debt from the supplier before presenting us with the demand.

We further agree that no change or addition to or other modification of the terms of the contract to be performed there under or of any of the contract documents which may be made between you and the supplier shall in any way release us from any liability under this guarantee and we hereby waive notice of any such change, addition or modification.

This guarantee shall be valid until the day of, 20

(Signature of the authorized officer of the Bank)
Name and designation of the officer
Seal, name & address of the Bank and address of the Branch