

NOTICE INVITING TENDER (E-PROCUREMENT MODE)

NATIONAL INSTITUTE OF TECHNOLOGY DURGAPUR

MAHATMA GANDHI AVENUE

DURGAPUR –713 209, WEST BENGAL, INDIA

Tel: +91-343-275 2125 E-mail: hod@cc.nitdgp.ac.in; Website: www.nitdgp.ac.in

Contact No.: **9434788161**

NOTICE INVITING TENDER NO.: NITD/CC/CDC/2022/09/TC/01	Date: 19.09.2022
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National Institute of Technology Durgapur is in the process of purchasing following item(s).
The details are given as under.

Items	NOTICE INVITING TENDER FOR supply and installation of Thin Client + monitor + keyboard (27), L2 switch (4), wifi access point (8).
Earnest Money Deposit to be submitted	Rs. 50,000/-
Warranty	The Service validity period: - Three Years
Performance security	NIL
Completion/Delivery Period in Calendar Days	Within 30 days from the date of issuing Purchase Order/Work Order/Award of Contract.

Tender Documents may be downloaded from e-Wizard Portal <http://mhrd.euniwizarde.com>. Aspiring Bidders who have not enrolled /registered in e-Wizard should enrol / register before participating through the website <http://mhrd.euniwizarde.com>. Bidders are advised to go through instructions provided at “Instructions for online Bid Submission”.

Bidders can access tender documents on the website (For searching in the e-Wizard site, kindly go to Tender Search option and type ‘NIT’. Thereafter, click on “GO” button to view all NIT Durgapur tenders). Select the appropriate tender and fill them with all relevant information and submit the completed tender document online on the website <http://mhrd.euniwizarde.com> as per the schedule given in the next page. **All quotation (both Technical and Financial should be submitted in the e-Wizard portal).**

SCHEDULE

Name of Organization	National Institute of Technology Durgapur
Tender Type (Open/Limited/EOI/Auction/Single)	Open
Tender Category (Services/Goods/works)	Goods
Type/Form of Contract (Work/Supply/ Auction/Service/Buy/Empanelment/ Sell)	Supply
Source of Fund (Institute/Project)	Institute
Is Multi Currency Allowed	NO
Date of Issue/Publishing	22.09.2022
Document Download/Sale Start Date	22.09.2022
Bid Submission Start Date	22.09.2022
Document Download/Sale End Date	13.10.2022, 12 PM
Last Date and Time for Uploading of Bids	13.10.2022, 12.30 PM
Date and Time of Opening of Technical Bids	14.10.2022, 3 PM
Tender Fee	NIL
EMD	Rs. 50,000/-
No. of Covers (1/2/3/4)	02
Bid Validity days (180/120/90/60/30)	30 days (From the Tender Opening date)
Address for Communication	Dr. Bibhash Sen Associate Professor, Dept. of CSE & Head of Computer Centre NIT Durgapur Contact No.: 9434788161
Email Address	hod@cc.nitdgp.ac.in
ITI Help Desk	Helpdesk Number - 011-4960 6060 ewizardhelpdesk@gmail.com Mr. S K Tariq- 9355030608 eprochelpdesk.35@gmail.com Mr. Saikat Pal – 9355030620 eprochelpdesk.38@gmail.com

PROCEDURE FOR SUBMISSION OF E-TENDER

The bidders are required to submit soft copies of their bid electronically on the e-Wizard Portal using valid Digital Signature Certificates (Both Signing and Encryption). Below mentioned instructions are meant to guide the bidders for registration on the e-Wizard Portal, prepare their bids in accordance with the requirements and submit their bids online on the e-Wizard Portal. For more information bidders may visit the e-Wizard Portal <https://mhrd.euniwizarde.com>

A. REGISTRATION PROCESS ON ONLINE PORTAL

- (1) Bidders to enrol on the e-Procurement module of the portal <https://mhrd.euniwizarde.com> by clicking on the link “Bidder Enrolment” as per portal norms.
- (2) The bidders to choose a unique username and assign a password for their accounts. Bidders are advised to register their valid email address and mobile numbers as part of the registration process. These would be used for any communication from the e-Wizard Portal. After completion of registration payment, you can also send your acknowledgement copy on our help desk mail id ewizardhelpdesk@gmail.com for activation of your account.
- (3) Bidders to register upon enrolment their valid Digital Signature Certificate (DSC: Class III Certificates with both signing and encryption) issued by any Certifying Authority recognized by CCA India with their profile.
- (4) Only one valid DSC should be registered by a bidder. Please note that the bidders are responsible to ensure that they do not lend their DSCs to others which may lead to misuse. Foreign bidders are advised to refer “DSC details for Foreign Bidders” for Digital Signature requirements on the portal.
- (5) Bidder then logs in to the site through the secured log-in by entering their user ID/password and the password of the DSC / e-Token.

B. TENDER DOCUMENTS SEARCH

- (1) Various built-in options are available in the e-Wizard Portal which facilitate bidders to search active tenders by several parameters. These parameters include Tender ID, organization, location, date, value, etc.
- (2) There is also an option of advanced search for tenders, wherein the bidders may combine a number of search parameters such as organization name, a form of contract, location, date, other keywords, etc. to search for a tender published on the Online Portal.
- (3) Once the bidders have selected the tenders they are interested in, they may download the required documents/tender schedules. These tenders can be moved to the respective ‘Interested Tender’ folder.
- (4) This would enable the Online Portal to intimate the bidders through SMS / e-mail in case there is any corrigendum issued to the tender document.
- (5) The bidder should make a note of the unique Tender ID assigned to each tender; in case they want to obtain any clarification/help from the Helpdesk.

C. BID PREPARATION

- (1) Bidder should take into account any corrigendum published on the tender document before submitting their bids.
- (2) Please go through the tender advertisement and the tender document carefully to understand the documents required to be submitted as part of the bid.
- (3) Please note the number of covers in which the bid documents have to be submitted, the number of documents - including the names and content of each of the document that needs to be submitted. Any deviations from these may lead to rejection of the bid.
- (4) Bidder, in advance, should get ready the bid documents to be submitted as indicated in the tender document/schedule and generally, they can be in PDF / XLS etc. formats.

D. BID SUBMISSION

- (1) Bidder to log into the site well in advance for bid submission so that he/she uploads the bid in time i.e. on or before the bid submission time. Bidder will be responsible for any delay due to other issues.
- (2) The bidder to digitally sign and upload the required bid documents one by one as indicated in the tender document.
- (3) Bidder to select the payment option to pay the tender fee/ EMD wherever applicable and enter details of the instrument.
- (4) A standard BoQ format has been provided with the tender document to be filled by all the bidders. Bidders to note that they should necessarily submit their financial bids in the prescribed format and no other format is acceptable.
- (5) The server time (which is displayed on the bidder's dashboard) will be considered as the standard time for referencing the deadlines for submission of the bids by the bidders, the opening of bids, etc. The bidders should follow this time during bid submission.
- (6) All the documents being submitted by the bidders would be encrypted using PKI encryption techniques to ensure the secrecy of the data, which cannot be viewed by unauthorized persons until the time of bid opening.
- (7) The uploaded tender documents become readable only after the tender opening by the authorized bid openers.
- (8) Upon the successful and timely submission of bids, the portal will give a successful bid submission message & a bid summary will be displayed with the bid no. and the date & time of submission of the bid with all other relevant details.
- (9) Kindly have all relevant documents in a PDF file of compliance sheet.
- (10) The off-line tender shall not be accepted and no request in this regard will be entertained whatsoever.

E. How to Submit the bid?

- (1) Whenever, EMD/ Tender fees are sought, bidders need to pay the tender fee (if applicable) and EMD **separately on-line through e-payment**. Account details are given below.

Account Name: NIT Society Durgapur

Bank Name: State Bank of India

Branch: NIT Durgapur, Durgapur-713209,

Dist- Paschim Bardhaman, West Bengal, Pin- 713209

IFSC Code: **SBIN0002108**

Bank Account Number: **11520034072**

MICR Code: **713002204**

- (2) A standard BoQ format has been provided with the tender document to be filled by all the bidders. Bidders are requested to note that they should necessarily submit their financial bids in the format provided and no other format is acceptable. Bidders are required to download the BoQ file, open it and complete the coloured (unprotected) cells with their respective financial quotes and other details (such as name of the bidder). No other cells should be changed. Once the details have been completed, the bidder should save it and submit it online, without changing the filename. If the BoQ file is found to be modified by the bidder, the bid will be rejected.
- (3) The server time (which is displayed on the bidders' dashboard) will be considered as the standard time for referencing the deadlines for submission of the bids by the bidders, opening of bids etc. The bidders should follow this time during bid submission.
- (4) All the documents being submitted by the bidders would be encrypted using PKI encryption techniques to ensure the secrecy of the data. The data entered cannot be viewed by unauthorized persons until the time of bid opening. The confidentiality of the bids is maintained using the secured Socket Layer 128 bit encryption technology. Data storage encryption of sensitive fields is done.
- (5) The uploaded tender documents become readable only after the tender opening by the authorized bid openers.

- (6) Upon the successful and timely submission of bids, the portal will give a successful bid submission message & a bid summary will be displayed with the bid no. and the date & time of submission of the bid with all other relevant details.
- (7) Kindly add scanned PDF of all relevant documents in a single PDF file of compliance sheet.

F. ASSISTANCE TO BIDDERS

- (1) Any queries relating to the tender document and the terms and conditions contained therein should be addressed to the Tender Inviting Authority for a tender or the relevant contact person indicated in the tender.

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FAX: +91-343-275 5278 E-mail bibhash.sen@cse.nitdgp.ac.in, Website: www.nitdgp.ac.in

Contact No.: **9434788161**

NOTICE INVITING TENDER NO.: NITD/CC/CDC/2022/09/TC/01	Date: 19.09.2022
Sub: NOTICE INVITING TENDER FOR supply and installation of Thin Client + monitor + keyboard (27), L2 switch (4), wifi access point (8).	

Purpose and Justification:

National Institute of Technology Durgapur is presently using VDI infrastructure along with necessary software platform where in 27 nos. of new VDI terminal will be added. The necessary and additional license should be consider to get the service smoothly.

Technical Specification:

Item	Minimum Technical Specification for Thin Client
Processor + Chipset	Intel® Celeron® Processor J1900; 2.0 GHz (base), 2.42 GHz (burst), 4 cores, 2M cache
System Memory	RAM: 4 GB DDR3
	FLASH: 32 GB
Display Support	1xVGA and 1xDVI-D
Communication Ports Rear Panel / Front Panel	1 x Gigabit RJ 45 Port, 4 x USB Port (with 1x USB 3.0), 4 x Serial Port, 1 x Integrated Parallel Port, Power Button
Power	100-240 V AC
Networking	Autosensing, 10/100/1000 Mbps LAN
Graphics	Same
Operating System	Embedded Windows® 10 IoT Enterprise 64 bit
Software Support	• Internet Explorer 11
	• RDP Client 10
	• Windows Media Player 12
	• Citrix Receiver
	• VMware Horizon View
	• Adobe Flash Player
	• .Net Framework 4.5
	• Direct X 12.0
	• HTML /MHTML Support
• Latest java	
Network	TCP/IP
Support	DHCP

Network Switch

Switch should offer Wire-Speed Non-Blocking Switching & Routing Performance at Layer 2 & Layer 3.

Switch should have Twenty-Four (24) 1GbE RJ45 ports and Four (4) 1Gb SFP Slots.

Switch should support L2/L3/L4 QoS, ACL and Static Routing

Switching Bandwidth: Should provide Non-Blocking switch fabric capacity.

Switch should support SDN Solutions Integration for a Highly Efficient Network from day 1

Should Support Security features include IP-MAC-Port-VID Binding, Port Security, Storm Control and DHCP Snooping

Supports 802.1X, 802.1Q VLAN, Port Mirroring, STP/RSTP/MSTP, Link Aggregation Control Protocol, 802.3x Flow Control and advanced IGMP Snooping

Voice and video traffic can be prioritized based on IP address, MAC address, TCP port number, UDP port number, and more. With QoS voice and video services remain smooth, even when bandwidth is in short supply.

Switch should support IP multicast snooping with support for IGMP v1, v2, v3 and MLD v1 & v2

Support sFlow, QinQ, L2PT PPPoE ID Insertion and IGMP authentication, 802.3ah OAM and DLDP.

Switch should offer Wire-Speed Non-Blocking Switching & Routing Performance at Layer 2 & Layer 3.

Switch should have Twenty-Four (24) 1GbE RJ45 ports and Four (4) 1Gb SFP Slots.

Switch should support L2/L3/L4 QoS, ACL and Static Routing

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Support sFlow, QinQ, L2PT PPPoE ID Insertion and IGMP authentication, 802.3ah OAM and DLDP.

Wireless access point	<p>802.11ax (Wi-Fi 6) certified</p> <p>OFDMA and at least 4 MU-MIMO simultaneous clients.</p> <p>Support 1024-QAM Modulation</p> <p>BSS coloring “Spatial Frequency Reuse”</p> <p>Beam Forming with Maximal Ratio Combining</p> <p>Dual Band Access Point (2.4GHz and 5Ghz)</p> <p>Built-in antenna with 4x4 MIMO and 4 spatial streams for 5GHz</p> <p>Built-in antenna with 4x4 MIMO and 4 spatial streams for 2.4GHz</p> <p>Dedicated dual bad Radio for WIDS/WIPS, spectrum analysis, synthetic client, and location analytics.</p> <p>Should support inbuilt BLE Antennas for better accuracy of location services</p> <p>Support Bluetooth 5.0</p> <p>Ethernet interface should support 802.3bz (1G/2.5G)</p>
Setup & Configuration	<ul style="list-style-type: none"> • Boot from local flash • Windows 10 User Interface Language: US English (Default) • Keyboard Language support: US English Standard (Default) and other languages
Remote	HP Device Manager Software or equivalent similar software.
Management Tools	SCCM Agent
	Remote Imaging Support via HP Device Manager or similar equivalent.
Regulatory Compliance	BIS, ROHS, WEEE
Certification for Quality	ISO 9001:2008 (Quality Management System)
Environment	IS014001:2004 (Environmental Management System) certified company
Security Features	<ul style="list-style-type: none"> • Smart Card (supported as optional) • Auto Logon Manager • 802.1X • Unified Write Filter • Microsoft Firewall • Windows Defender • USB Security Manager
Required peripherals	<p>USB Keyboard and Mouse included</p> <p>18.5" Monitor</p>
Warranty	3 years onsite

	MINIMUM TECHNICAL SPECIFICATION OF NETWORK SWITCH	Compliance	Remarks
	Switch should offer Wire-Speed Non-Blocking Switching & Routing Performance at Layer 2 & Layer 3.		
	Switch should have Twenty Four (24) 1GbE RJ45 ports and Four (4) 1Gb SFP Slots.		
	Switch should support L2/L3/L4 QoS, ACL and Static Routing		
	Switching Bandwidth: Should provide Non-Blocking switch fabric capacity.		

Switch should support SDN Solutions Integration for a Highly Efficient Network from day 1		
Should Support Security features include IP-MAC-Port-VID Binding, Port Security, Storm Control and DHCP Snooping		
Supports 802.1X, 802.1Q VLAN, Port Mirroring, STP/RSTP/MSTP, Link Aggregation Control Protocol, 802.3x Flow Control and advanced IGMP Snooping		
Voice and video traffic can be prioritized based on IP address, MAC address, TCP port number, UDP port number, and more. With QoS voice and video services remain smooth, even when bandwidth is in short supply.		
Switch should support IP multicast snooping with support for IGMP v1, v2, v3 and MLD v1 & v2		
Support sFlow, QinQ, L2PT PPPoE ID Insertion and IGMP authentication, 802.3ah OAM and DLDP.		
Support Dual IPv4/IPv6 Stack, MLD Snooping, IPv6 ACL, DHCPv6 Snooping, IPv6 Interface, Path Maximum Transmission Unit (PMTU) Discovery and IPv6 Neighbor		
Switch should support Dynamic IPv4 & IPv6 Routing protocols (OSPFv2 and OSPFv3) and Layer 3 Multicast Routing Protocols from Day 1.		
Switch should support RADIUS, TACACS/TACACS+ and username/password for Authentication, Authorization and Accounting (AAA) with Local User Accounts and Local User Passwords.		
Switch should support Flexible Authentication with 802.1x Authentication and MAC Authentication.		
Switch should support manageability using Network Management Software with Web based Graphical User Interface (GUI).		
Switch should support NetFlow or sFlow or equivalent		
Mounting Option: 19" Universal rack mount ears		
Switch should be quoted with TAC Support and Warranty for 3 years with NBD Hardware Replacement.		
MINIMUM TECHNICAL SPECIFICATION OF WIRELESS ACCESS POINTS	Compliance	Remarks
802.11ax (Wi-Fi 6) certified		
OFDMA and at least 4 MU-MIMO simultaneous clients.		
Support 1024-QAM Modulation		
BSS coloring "Spatial Frequency Reuse"		
Beam Forming with Maximal Ratio Combining		
Dual Band Access Point (2.4GHz and 5Ghz)		
Built-in antenna with 4x4 MIMO and 4 spatial streams for 5GHz		
Built-in antenna with 4x4 MIMO and 4 spatial streams for 2.4GHz		
Dedicated dual band Radio for WIDS/WIPS, spectrum analysis, synthetic client, and location analytics.		
Should support inbuilt BLE Antennas for better accuracy of location services		
Support Bluetooth 5.0		
Ethernet interface should support 802.3bz (1G/2.5G)		
Aggregated wireless data rate up to 4.8 Gbps Can support at least 200 concurrent wireless clients		
For security reasons no local console		
Can work with 802.3at/bt and A/c power supply.		
Ability to work in offline mode without connectivity to the cloud.		
Should support virtual BLE		

	<p>The System should be able to perform measurable KPI without the need to define any baseline manually or install any additional sensors only set the expectation, this should include at least</p> <ul style="list-style-type: none"> - RF Coverage Experience - RF Capacity experience Including <ul style="list-style-type: none"> o Wi-Fi Interference o Non-Wi-Fi Interference o Client Usage/count - Client needed Time to connect experience <ul style="list-style-type: none"> o Association o Authorization o DHCP - Client roaming experience - Client Throughput experience <ul style="list-style-type: none"> o Coverage o Device Capabilities o Capacity - Client Connectivity failures 		
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PRICE FORMAT

Sl. No	Description	Qty	UOM	Price	GST Amount @18%	Amount including GST
1	Thin client with monitor, keyboard and mouse	27	1 Job			
2	L2 Unmanaged Network Switch : 24 port gigabit + SFP/ UTP uplink port with connectivity	4				
3	802.11ax (Wi-Fi 6) access point with dedicated dual band Radio for WIDS/WIPS, spectrum analysis, synthetic client, and location analytics. Built-in antenna with 4x4 MIMO and 4 spatial streams for 5GHz and 2.4 GHZ. Ethernet interface 802.3bz (1G/2.5G), aggregated wireless data rate up to 4.8 Gbps Can support at least 200 concurrent wireless clients and Bluetooth 5.0	8				
4	Installation of thin client Virtual Desktop Infrastructure (VDI) Solution with support for 3 years Including required license and accessories for 27 additional client as required to establish the complete connectivity	1				
TOTAL COST INCLUDING GST						

Terms & Conditions Details

Sl. No.	Particulars / Specification
1	Due date: The tender has to be submitted on-line before the due date. The offers received after the due date and time will not be considered.
2	Preparation of Bids: The offer/bid should be submitted in single cover system (i.e.) Technical bid and financial bid will be under single cover. The technical bid should consist of all technical details along with commercial terms and conditions. Financial bid should indicate item wise price for the items mentioned in the technical bid in the given format. The Technical bid and the financial bid should be submitted Online.

3	<p>EMD (if applicable): The tenderer/bidder should submit an EMD amount through e-payment. The Technical Bid without EMD would be considered as UNRESPONSIVE and will not be accepted. The EMD will be refunded without any interest to the unsuccessful bidders after the award of contract. Earnest Money Deposit (EMD / Bid Security (BS) has to be submitted by bidders except those who are registered with National Small Industries Corporation (NSIC)/ Ministry of Micro Small Medium Enterprises or as per GFR 2017 guidelines. The certificate should be valid up to bid validity.</p>
4	<p>Refund of EMD: The EMD will be returned to unsuccessful bidders only after the tenders are finalized. In case of successful bidder, it will be retained till the successful and complete installation of the equipment and submission of performance/security deposit.</p>
5	<p>Opening of the tender: The online bid will be opened by a committee duly constituted for this purpose. Online bids (complete in all respect) received along with EMD (if any) will be opened as mentioned at "Schedule" in presence of the representative of bidders if available. Only one representative from each bidder will be allowed to participate in the tender opening. Bid received without EMD (if present) will be rejected straight way. The technical bid will be opened online first and it will be examined by a technical committee (as per specification and requirement). The financial offer/bid will be opened only for the offer/bid which technically meets all requirements as per the specification. The bidders if interested may participate on the tender opening Date and Time. The bidder should produce authorization letter from their company to participate in the tender opening.</p>
6	<p>Acceptance/ Rejection of bids: The Committee reserves the right to reject any or all offers without assigning any reason.</p>
7	<p>Pre-qualification criteria: Bidders should be the manufacturer / authorized dealer. Letter of Authorization from original equipment manufacturer (OEM) on the same and specific to the tender should be enclosed. An undertaking from the OEM is required stating that they would facilitate the bidder on a regular basis with technology/product updates and extend support for the warranty as well. (Ref. Annexure-II) Non-compliance of tender terms, non-submission of required documents, lack of clarity of the specifications, contradiction between bidder specification and supporting documents etc. may lead to rejection of the bid. In the tender, either the Indian agent on behalf of the Principal/OEM or Principal/OEM itself can bid but both cannot bid simultaneously for the same item/product in the same tender. If an agent submits bid on behalf of the Principal/OEM, the same agent shall not submit a bid on behalf of another Principal/OEM in the same tender for the same item/product.</p>
8	<p>Force Majeure: The Supplier shall not be liable for forfeiture of its performance security, liquidated damages or termination for default, if and to the extent that, it's delay in performance or other failure to perform its obligations under the Contract is the result of an event of Force Majeure. For purposes of this Clause, "Force Majeure" means an event beyond the control of the Supplier and not involving the Supplier's fault or negligence and not foreseeable. Such events may include, but are not limited to, acts of the Purchaser either in its sovereign or contractual capacity, wars or revolutions, fires, floods, epidemics, quarantine restrictions and freight embargoes. If a Force Majeure situation arises, the Supplier shall promptly notify the Purchaser in writing of such conditions and the cause thereof. Unless otherwise directed by the Purchaser in writing, the Supplier shall continue to perform its obligations under the Contract as far as is reasonably practical, and shall seek all reasonable alternative means for performance not prevented by the Force Majeure event.</p>
9	<p>Risk Purchase Clause: In event of failure of supply of the item/equipment within the stipulated delivery schedule, the purchaser has all the right to purchase the item/equipment from the other source on the total risk of the supplier under risk purchase clause.</p>

10	<p>Packing Instructions: Each package will be marked on three sides with proper paint/indelible ink, the following: Item Nomenclature Order/Contract No. Country of Origin of Goods Supplier's Name and Address Consignee details Packing list reference number</p>
11	<p>Delivery and Documents: Delivery of the goods/services should be made within 30 days from the date of placement of purchase order. Within 24 hours of shipment, the supplier shall notify the purchaser and the insurance company by cable/telex/fax/e mail the full details of the shipment including contract number, railway receipt number/ AAP etc. and date, description of goods, quantity, name of the consignee, invoice etc. The supplier shall mail the following documents to the purchaser with a copy to the insurance company:</p> <p>4 Copies of the Supplier invoice showing contract number, goods' description, quantity Unit price, total amount; Insurance Certificate if applicable; Manufacturer's/Supplier's warranty certificate; Inspection Certificate issued by the nominated inspection agency, if any Supplier's factory inspection report; and Certificate of Origin (if possible, by the beneficiary); Two copies of the packing list identifying the contents of each package. The above documents should be received by the Purchaser before arrival of the Goods (except where the Goods have been delivered directly to the Consignee with all documents) and, if not received, the Supplier will be responsible for any consequent expenses</p>
12	<p>Delayed delivery: If the delivery is not made within the due date for any reason, the Committee will have the right to impose penalty @ 1% per week and the maximum deduction is 10% of the contract value / price.</p>
13	<p>Prices: The price should be quoted in net per unit (after breakup) and must include all packing and delivery charges. The offer/bid should be exclusive of taxes and duties, which will be paid by the purchaser as applicable. However, the percentage of taxes & duties shall be clearly indicated. The price should be quoted without custom duty and excise duty, since NIT Durgapur is exempted from payment of Excise Duty and is eligible for concessional rate of custom duty. Necessary certificate will be issued on demand. In case of imports, the price should be quoted on FOB/FCA origin Airport Basis only. Under special circumstances (e.g. perishable chemicals), when the item is imported on CIF, please indicate CIF charges separately up to NIT Durgapur indicating the mode of shipment. NIT Durgapur will make necessary arrangements for the clearance of imported goods at the Airport/Seaport. Hence the price should not include the above charges. At any circumstances, it is the responsibility of the foreign supplier to handover the material to our forwarder at the origin airport after completing all the inland clearing. No Ex- Works consignment will be entertained. "In case of CIF shipments, kindly provide the shipment information at least 2 days in advance before landing the shipment along with the documents i.e. invoice, packing list, forwarder Name, address, contact No. in India to save penalty/demurrage charges (imposed by Indian Customs). Otherwise these charges will be recovered from the supplier/Indian Agent." <hr/> The contract shall be for the full quantity as described above All duties, entry taxes, transport, insurance and other levies payable by the contractor under the contract shall be included in the total price F.O.R. NIT Durgapur. The rates quoted by the bidder shall be fixed for the duration of the contract and shall not be subject to adjustments on any account. The Prices should be quoted in Indian Rupees only. The base price includes all type of prices except GST</p>

14	<p>Notices: For the purpose of all notices, the following shall be the address of the Purchaser and Supplier. User: Dr. Bibhash Sen, Associate Professor, CSE & Head Computer Centre NIT Durgapur West Bengal – 713209</p> <p>Supplier: (To be filled in by the supplier) (All suppliers should submit its supplies information as per Annexure-II).</p>
15	<p>Progress of Supply: Wherever applicable, supplier shall regularly intimate progress of supply, in writing, to the Purchaser as under: Quantity offered for inspection and date; Quantity accepted/rejected by inspecting agency and date; Quantity dispatched/delivered to consignees and date; Quantity where incidental services have been satisfactorily completed with date; Quantity where rectification/repair/replacement effected/completed on receipt of any communication from consignee/Purchaser with date; Date of completion of entire Contract including incidental services, if any; and Date of receipt of entire payments under the Contract (In case of stage-wise inspection, details required may also be specified).</p>
16	<p>Resolution of Disputes: The dispute resolution mechanism to be applied pursuant shall be as follows: In case of Dispute or difference arising between the Purchaser and a domestic supplier relating to any matter arising out of or connected with this agreement, such disputes or difference shall be settled in accordance with the Indian Arbitration & Conciliation Act, 1996, the rules there under and any statutory modifications or re-enactments thereof shall apply to the arbitration proceedings. The dispute shall be referred to the Director, National Institute of Technology Durgapur and if he is unable or unwilling to act, to the sole arbitration of some other person appointed by him willing to act as such Arbitrator. The award of the arbitrator so appointed shall be final, conclusive and binding on all parties to this order. In the case of a dispute between the purchaser and a Foreign Supplier, the dispute shall be settled by arbitration in accordance with provision of sub-clause (a) above. But if this is not acceptable to the supplier then the dispute shall be settled in accordance with provisions of UNCITRAL (United Nations Commission on International Trade Law) Arbitration Rules. The venue of the arbitration shall be the place from where the order is issued.</p>
17	<p>Applicable Law: Settlement of any dispute will be made under the jurisdiction of Durgapur Court.</p>
18	<p>Supplier Integrity: The Supplier is responsible for and obliged to conduct all contracted activities in accordance with the Contract using state of the art methods and economic principles and exercising all means available to achieve the performance specified in the contract.</p>
19	<p>Insurance: For delivery of goods at the purchaser's premises, the insurance shall be obtained by the supplier in an amount equal to 110% of the value of the goods from "warehouse to warehouse" (final destinations) on "All Risks" basis including War Risks and Strikes. The insurance shall be valid for a period of not less than 3 months after installation and commissioning. If orders placed on CIF basis, the insurance should be up to NIT DURGAPUR.</p>
20	<p>Incidental services: The incidental services also include: Furnishing of 01 set of detailed operations & maintenance manual. Arranging the shifting/moving of the item to their location installation within NITD premises at the cost of Supplier through their Indian representatives.</p>
21	<p>Validity: The Service validity period: - Three Years (after the successful order is placed)</p>

22	<p>Governing Language: The contract shall be written in English language. English language version of the Contract shall govern its interpretation. All correspondence and other documents pertaining to the Contract, which are exchanged by the parties, shall be written in the same language.</p>
23	<p>Notices: Any notice given by one party to the other pursuant to this contract/order shall be sent to the other party in writing or by cable, FAX or e mail and confirmed in writing to the other party's address. A notice shall be effective when delivered or on the notice's effective date, whichever is later.</p>
24	<p>Taxes: Suppliers shall be entirely responsible for all taxes, GST in respect of the transaction between the Purchaser and the Supplier, duties, license fees, octroy, road permits, etc., incurred until delivery of the contracted Goods to the Purchaser.</p>
25	<p>Duties: NIT Durgapur is exempted from paying custom duty and necessary "Custom Duty Exemption Certificate" can be issued after providing following information and Custom Duty Exemption Certificate will be issued to the shipment in the name of the Institute, (no certificate will be issued to third party): The procured product should be used for teaching, scientific and research work only.</p> <p>a) Shipping details i.e. Master Airway Bill No. and House Airway No. (if exists) b) Forwarder details i.e. Name, Contact No., etc.</p> <p>NIT Durgapur is exempted from paying Excise Duty and necessary Excise Duty Exemption Certificate will be provided for which following information are required.</p> <p>a) Quotation with details of Basic Price, Rate, Tax & Amount on which ED is applicable b) Supply Order Copy c) Proforma-Invoice Copy.</p>
26	<p>Agency Commission: Agency commission if any will be paid to the Indian agent in Rupees on receipt of the equipment and after satisfactory installation. Agency Commission will not be paid in foreign currency under any circumstances. The details should be explicitly shown in Tender even in case of Nil commission. The tenderer should indicate the percentage of agency commission to be paid to the Indian agent.</p>

27	<p>Payment:</p> <p>(i) For imported items Payment will be made through irrevocable Letter of Credit (LC) Cash Against Documents (CAD)/Against delivery/after satisfactory installation by T.T. Letter of Credit (LC) will be established in favour of foreign Supplier after the submission of performance security. The letter of credit (LC) will be established on the exchange rates as applicable on the date of establishment. For Imports, LC will be opened for 100% FOB/CIF value. 80% of the LC amount shall be released on presentation of complete and clear shipping documents and 20% of the LC amount shall be released after the installation and demonstration of the equipment at the INST site of installation in faultless working condition for period of 60 days from the date of the satisfactory installation and subject to the production of unconditional performance bank guarantee as specified in Clause 8 of tender terms and conditions.</p> <p>(ii) For Indigenous supplies, 100% payment shall be made by the Purchaser against delivery, inspection, successful installation, commissioning and acceptance of the equipment at NIT Durgapur in good condition and to the entire satisfaction of the Purchaser and on production of unconditional performance bank guarantee as specified in Clause 9 of tender terms and conditions.</p> <p>(iii) Indian Agency commission (IAC), if any shall be paid after satisfactory installation & commissioning of the goods at the destination at the exchange rate prevailing on the date of negotiation of LC documents, subject to DGS&D registration for restricted items.</p> <p>(iv) All the bank charges within India will be borne by the Institute and outside India will be borne by the supplier. A standard deduction of 2% for income tax will be deducted by NIT Durgapur. 100% payment shall be made by the Purchaser within 6 weeks after successful installation, commissioning and acceptance of the equipment at NIT Durgapur in good condition and to the entire satisfaction of the Purchaser and on production of unconditional performance bank guarantee as specified in Clause 8 of tender terms and conditions.</p>
28	<p>User list: Brochure detailing technical specifications and performance, list of industrial and Educational establishments where the items enquired have been supplied must be provided. (Ref. Annexure-III)</p>
29	<p>Manuals:</p> <p>(i) Before the goods and equipment are taken over by the Purchaser, the Supplier shall supply operation and maintenance manuals. These shall be in such details as will enable the Purchaser to operate, maintain, adjust and repair all parts of the works as stated in the specifications.</p> <p>(ii) The Manuals shall be in the ruling language (English) in such form and numbers as stated in the contract.</p> <p>(iii) Unless and otherwise agreed, the goods equipment shall not be considered to be completed for the purposes of taking over until such manuals and drawing have been supplied to the Purchaser.</p>
30	<p>Application Specialist: The bidder should mention in the Techno-Commercial bid the availability and names of Application Specialist and Service Engineers in the nearest regional office. (Ref. to Annexure-III)</p>

31	<p>Termination for Default:</p> <p>The Purchaser may, without prejudice to any other remedy for breach of contract, by written notice of default sent to the Supplier, terminate the Contract in whole or part:</p> <ul style="list-style-type: none"> i. If the Supplier fails to deliver any or all of the Goods within the period(s) specified in the order or within any extension thereof granted by the Purchaser; or ii If the Supplier fails to perform any other obligation(s) under the Contract. iii If the Supplier, in the judgment of the Purchaser has engaged in corrupt or fraudulent practices in competing for or in executing the Contract. <p>For the purpose of this Clause:</p> <p>“Corrupt practice” means the offering, giving, receiving or soliciting of anything of value to influence the action of a public official in the procurement process or in contract execution.</p> <p>“Fraudulent practice” means a misrepresentation of facts in order to influence a procurement process or the execution of a contract to the detriment of the Borrower, and includes collusive practice among Bidders (prior to or after bid submission) designed to establish bid prices at artificial non-competitive levels and to deprive the Borrower of the benefits of free and open competition;”</p> <p>In the event the Purchaser terminates the Contract in whole or in part, the Purchaser may procure, upon such terms and in such manner, as it deems appropriate, Goods or Services similar to those undelivered, and the Supplier shall be liable to the Purchaser for any excess costs for such similar Goods or Services. However, the Supplier shall continue the performance of the Contract to the extent not terminated.</p>
32	<p>Downtime: During the warranty period not more than 5% downtime will be permissible. For everyday exceeding permissible downtime, penalty of 1/365 of the 5% FOB value will be imposed. Downtime will be counted from the date and time of the filing of complaint with in the business hours.</p>
33	<p>Training of Personnel: The supplier shall be required to undertake to provide the technical training to the personnel involved in the use of the equipment at the Institute premises, immediately after completing the installation of the equipment for a minimum period of two days at the supplier’s cost.</p>
34	<p>Disputes and Jurisdiction: Any legal disputes arising out of any breach of contract pertaining to this tender shall be settled in the court of competent jurisdiction located in Durgapur</p>
35	<p>Compliancy certificate: This certificate must be provided indicating conformity to the technical specifications. (Annexure-I)</p>
36	<p>All other terms and conditions of GFR 2017 of the Government of India will be applicable.</p>

COMPLIANCE SHEET

The supplier has to put (Y/N) in the respective compliance sheet

Item Name	Compliance (Y/N)	Deviation if any
<p>Thin client with monitor, keyboard and mouse</p> <ul style="list-style-type: none"> • Processor + Chipset: Intel® Celeron® Processor J1900; 2.0 GHz (base), 2.42 GHz (burst), 4 cores, 2M cache or better • System Memory: RAM: 4 GB DDR3 or more • FLASH: 32 GB • Display Support: 1xVGA and 1xDVI-D • Communication Ports: Rear Panel / Front Panel 1 x Gigabit RJ 45 Port, 4 x USB Port (with 1x USB 3.0), 4 x Serial Port, 1 x Integrated Parallel Port, Power Button • Power: 100-240 V AC • Networking: Autosensing, 10/100/1000 Mbps LAN • Graphics: Same • Operating System: Embedded Windows® 10 IoT Enterprise 64 bit • Software Support: <ul style="list-style-type: none"> a. Internet Explorer 11 b. RDP Client 10 c. Windows Media Player 12 d. Citrix Receiver e. VMware Horizon View f. Adobe Flash Player g. .Net Framework 4.5 h. Direct X 12.0 i. HTML /MHTML Support j. Latest java • Network: TCP/IP • Support: DHCP • Setup & Configuration: Boot from local flash • Windows 10 User Interface Language: US English (Default) • Keyboard Language support: US English Standard (Default) and other languages supported • Remote: HP Device Manager Software or equivalent similar software • Management Tools: SCCM Agent • Remote Imaging Support via HP Device Manager or similar equivalent • Regulatory Compliance: BIS, ROHS, WEEE • Certification for Quality: ISO 9001:2008 (Quality Management System) • Environment: ISO14001:2004 (Environmental Management System) certified company • Security Features: <ul style="list-style-type: none"> a. Smart Card (supported as optional) b. Auto Logon Manager c. 802.1X d. Unified Write Filter e. Microsoft Firewall f. Windows Defender g. USB Security Manager • Required peripherals: USB Keyboard and Mouse included & 18.5" Monitor • Warranty: 3 years onsite 		

MINIMUM TECHNICAL SPECIFICATION OF NETWORK SWITCH		
Switch should offer Wire-Speed Non-Blocking Switching & Routing Performance at Layer 2 & Layer 3.		
Switch should have Twenty Four (24) 1GbE RJ45 ports and Four (4) 1Gb SFP Slots.		
Switch should support L2/L3/L4 QoS, ACL and Static Routing		
Switching Bandwidth: Should provide Non-Blocking switch fabric capacity.		
Switch should support SDN Solutions Integration for a Highly Efficient Network from day 1		
Should Support Security features include IP-MAC-Port-VID Binding, Port Security, Storm Control and DHCP Snooping		
Supports 802.1X, 802.1Q VLAN, Port Mirroring, STP/RSTP/MSTP, Link Aggregation Control Protocol, 802.3x Flow Control and advanced IGMP Snooping		
Voice and video traffic can be prioritized based on IP address, MAC address, TCP port number, UDP port number, and more. With QoS voice and video services remain smooth, even when bandwidth is in short supply.		
Switch should support IP multicast snooping with support for IGMP v1, v2, v3 and MLD v1 & v2		
Support sFlow, QinQ, L2PT PPPoE ID Insertion and IGMP authentication, 802.3ah OAM and DLDP.		
Support Dual IPv4/IPv6 Stack, MLD Snooping, IPv6 ACL, DHCPv6 Snooping, IPv6 Interface, Path Maximum Transmission Unit (PMTU) Discovery and IPv6 Neighbor		
Switch should support Dynamic IPv4 & IPv6 Routing protocols (OSPFv2 and OSPFv3) and Layer 3 Multicast Routing Protocols from Day 1.		
Switch should support RADIUS, TACACS/TACACS+ and username/password for Authentication, Authorization and Accounting (AAA) with Local User Accounts and Local User Passwords.		
Switch should support Flexible Authentication with 802.1x Authentication and MAC Authentication.		
Switch should support manageability using Network Management Software with Web based Graphical User Interface (GUI).		
Switch should support NetFlow or sFlow or equivalent		
Mounting Option: 19" Universal rack mount ears		
Switch should be quoted with TAC Support and Warranty for 3 years with NBD Hardware Replacement.		
MINIMUM TECHNICAL SPECIFICATION OF WIRELESS ACCESS POINTS		
802.11ax (Wi-Fi 6) certified		
OFDMA and at least 4 MU-MIMO simultaneous clients.		
Support 1024-QAM Modulation		
BSS coloring "Spatial Frequency Reuse"		
Beam Forming with Maximal Ratio Combining		
Dual Band Access Point (2.4GHz and 5Ghz)		
Built-in antenna with 4x4 MIMO and 4 spatial streams for 5GHz		
Built-in antenna with 4x4 MIMO and 4 spatial streams for 2.4GHz		
Dedicated dual band Radio for WIDS/WIPS, spectrum analysis, synthetic client, and location analytics.		
Should support inbuilt BLE Antennas for better accuracy of location services		
Support Bluetooth 5.0		
Ethernet interface should support 802.3bz (1G/2.5G)		
Aggregated wireless data rate up to 4.8 Gbps Can support at least 200 concurrent wireless clients		
For security reasons no local console		

Can work with 802.3at/bt and A/c power supply.		
Ability to work in offline mode without connectivity to the cloud.		
Should support virtual BLE		
<p>The System should be able to perform measurable KPI without the need to define any baseline manually or install any additional sensors only set the expectation, this should include at least</p> <ul style="list-style-type: none"> - RF Coverage Experience - RF Capacity experience Including <ul style="list-style-type: none"> o Wi-Fi Interference o Non-Wi-Fi Interference o Client Usage/count - Client needed Time to connect experience <ul style="list-style-type: none"> o Association o Authorization o DHCP - Client roaming experience - Client Throughput experience <ul style="list-style-type: none"> o Coverage o Device Capabilities o Capacity - Client Connectivity failures 		

I have also enclosed all relevant documents in support of my claims, (as above) in the following pages.

Signature of Bidder with date

Name:

Designation:

Organization Name:

Contact No.:

E-mail Id:

<<Organization Letter Head>>

DECLARATION SHEET

We, _____ hereby certify that all the information and data furnished by our organization with regard to this tender specification are true and complete to the best of our knowledge. I have gone through the specification, conditions and stipulations in details and agree to comply with the requirements and intent of specification.

This is certified that our organization has been authorized (Copy attached) by the OEM to participate in Tender. We further certified that our organization meets all the conditions of eligibility criteria laid down in this tender document. Moreover, OEM has agreed to support on regular basis with technology / product updates and extend support for the warranty.

The prices quoted in the financial bids are subsidized due to academic discount given to NIT Durgapur.

We, further specifically certify that our organization has not been Black Listed/De Listed or put to any Holiday by any Institutional Agency/ Govt. Department/ Public Sector Undertaking in the last three years.	NAME & ADDRESS OF THE Vendor/ Manufacturer / Agent
Phone No.:	
Fax	
E-mail	
Contact Person Name	
Mobile Number	
TIN Number	
PAN Number	
(In case of on-line payment of Tender Fees) UTR No. (For Tender Fee)	
(In case of on-line payment of EMD) UTR No. (For EMD)	

(Signature of the Bidder with date)

Name:

Seal of the Company

LIST OF GOVT. ORGANIZATION/DEPT

List of Government Organizations for whom the Bidder has undertaken such instrument during last five years (must be supported with work orders)			
Sl. No.	Name of the organization with address	Name of Contact Person	Contact No.

Name of application specialist / Service Engineer who have the technical competency to handle and support the quoted product during the warranty period.			
Sl. No.	Name of the organization with address	Name of Contact Person	Contact No.

Signature of Bidder with date

Name:

Designation:

Organization Name:

Contact No.:

E-mail Id:

SUBMISSION OF BID

The Online bids (complete in all respect) must be uploaded online in single cover as explained below:

Cover – 1			
Sl. No.	Documents	Content	File Types
1	TECHNICAL BID	Compliance Sheet as per Annexure – I	.pdf
2		Organization Declaration Sheet as per Annexure - II	.pdf
3		List of organizations/ clients where the same products have been supplied (in last two years) along with their Contact number(s). (Annexure-III)	.pdf
4		Technical supporting documents (data sheet, manual, OME certificate) in support of all claims	.pdf
5		Bidders other credentials (PAN, Trade License, 3 years IT return, etc).	.pdf
6	Financial Bid	Price bid should be submitted in .xls format	.xls