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English: jkVh, iX kxdh l fku bylgckm  
 इलाहाबाद-211004 (भारत)

**Motilal Nehru National Institute of Technology Allahabad**  
 Allahabad-211004 (India)

An Institute of National Importance as Declared by NIT Act, GOI, 2007

**INVITATION FOR SUPPLY OF NETWORK ACCESS SWITCH**  
**(For Contracts value estimated to cost less than Rs.25lakhs)**

<b>1</b>	<b>Closing Date/Time for submission of Quotations</b>	11/10/2017; 15:30 Hrs.
<b>2</b>	<b>Opening Date/Time of Quotations</b>	11/10/2017; 16:00 Hrs.
<b>3</b>	<b>Quotations to be submitted at</b>	The Office of Faculty In-charge (Purchase) M.N.N.I.T. Allahabad, Allahabad-211 004 (U.P.).
<b>4</b>	<b>Place of opening of quotations</b>	The Office of Faculty In-charge (Purchase) M.N.N.I.T. Allahabad, Allahabad-211 004 (U.P.).
<b>5</b>	<b>Tender Fee</b>	Rs. 200.00 (Non-refundable), in form of a Demand Draft drawn in favor of DIRECTOR, MNNIT Allahabad.
<b>6</b>	<b>Earnest Money Deposit (EMD)</b>	<b>Rs. 58,700/- (Rs. In words Fifty Eight Thousand Seven Hundred only)</b> , in form of FDR/Bank guarantee, from any of the Commercial Banks, drawn in favour of "Director, MNNIT Allahabad" payable at Allahabad, and valid for a period of 45 days beyond the final bid validity period.

To,

**Dear Sir**

You are invited to submit your most competitive quotation for the following goods/equipments. The quotation should be sent directly to the undersigned under Sealed Cover marked "Quotation Reference No., Date", and "The Due Date":

Sl. No.	Brief Description of the Goods	Quantity	Place of Delivery	Installation requirement
1.	<b>Network Access Switch</b> 24 Port Port GigE, 2x10G SFP+, LAN Base Network Switch with power cable. 2960-X Cisco or equivalent, Comprehensive Warranty 3 years  (Detailed Specification attached at 'Annexure-B')	10 Nos.	MNNIT Allahabad	Yes

The sealed tenders must be submitted in the Office of the Faculty In-charge (Purchase), on or before **due date & time as mentioned above** in the office of the undersigned, in the presence of bidder's authorized representatives, who choose to attend and shall sign a register evidencing their attendance.

The tender/quotations NOT submitted in the prescribed format or Incomplete in any respect will be outrightly rejected.

**Faculty In-charge (Purchase)**  
 MNNIT Allahabad

## GENERAL TERMS & CONDITION (GCC)

1. **Bid Price**
  - (a) The contract shall be for the full quantity as described above. Corrections, if any, shall be made by crossing out, initialing, dating and rewriting.
  - (b) All duties, taxes and other levies payable by the contractor under the contract shall be included in the total price.
  - (c) 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.
  - (d) The prices should be quoted in Indian Rupees only for indigenous items. For imported items/Equipments, the prices should be quoted in foreign currency.
  - (e) Each bidder shall submit only one quotation.
2. **Validity of Quotation**

Quotation shall remain valid for a period not less than **120 days** after the deadline date specified for submission.
3. **Evaluation of Quotations**
  - (a) The purchaser will evaluate and compare the quotations determined to be substantially responsive, i.e., which
    - (i) are properly signed; and
    - (ii) conform to the terms and conditions, and specifications.
    - (iii) will be with tender fees, and EMD required, if any.
  - (b) The Quotations would be evaluated separately for each item.
4. **Award of Contract**

The Purchaser will award the contract to the bidder whose quotation has been determined to be substantially responsive and who has offered the lowest evaluated quotation price.

  - Notwithstanding the above, the Purchaser reserves the right to accept or reject any quotations and to cancel the bidding process and reject all quotations at any time prior to the award of contract.
  - The bidder whose bid is accepted will be notified for the award of contract by the Purchaser prior to expiration of the quotation validity period. The terms of the accepted offer shall be incorporated in the purchase order if falls under Govt. purchase rules, i.e., GFR-2017
5. **Formats and Signing of Bid**
  - Each & every pages of the submitted bid must carry the page numbers.
  - The bidders are not allowed to make additional and alteration in the tender document, any additions and alteration in the tender document, any additions and alterations shall be at bidder's risk. Conditional/modified tender are liable to be rejected.
  - The tender/quotations NOT submitted in the prescribed format or Incomplete in any respect will be outrightly rejected.
  - If the bid submitted without compliance sheet details of equipments the bid will be outrightly rejected.
  - The bid shall be typed or written in indelible ink and shall be signed by the Bidder/Tenderer or a person or persons duly authorized to bind the Bidder/Tenderer to the Contract. All pages of the bid, except for unamended printed literature, shall be initialed by the person or persons signing the bid.
  - Any interlineations, erasure or overwriting shall be valid only if they are initiated by the persons or persons signing the bid.
  - The Bidder shall furnish information as described in the Form of Bid on commissions or gratuities, if any, paid or to be paid to agents relating to this Bid, and to contract execution if the Bidder is awarded the contract.
6. **Payment condition:** 100% Payment shall be made only after satisfactory delivery and installation of the goods. Advance payment is not permitted.
7. Normal Commercial warranty/ guarantee shall be applicable to the supplied goods.
8. **Payment will be cleared through e-payment mode (Format of e-payment form given at Annexure-D)**

## INSTRUCTIONS/GUIDELINES TO BIDDERS (ITB)

1. Bidders who had supplied the Government departments, PSUs/NITs/IITs/IIITs and reputed Institutions and Organizations should only apply.
2. The bidder should enclose the client list with contact address along with Phone/Fax for reference, for the quoted item.
3. Please quote the prices of F.O.R. Motilal Nehru National Institute of Technology Allahabad, Allahabad.
4. The Bidders are requested to submit their Quotation with EMD in the form of Demand Draft/ Bank Guarantee/ Short term Deposit of the cost of equipments/items in favor of "The Director, MNNIT, Allahabad" payable at Allahabad. Quotation without EMD will be summarily rejected. EMD's of all Bidders will be returned back after the purchase order /contract agreement is issued to successful bidder.
5. Successful Bidders must have to submit the performance security @10% of the purchase order or contract value and it will be retained up to the warranty period.
6. The bidder should enclose relevant documents wherever necessary to substantiate his eligibility.
7. The Institute is eligible for and can provide necessary documentation for Custom/Excise and Octroi exemption on demand, if permitted under rule.
8. Motilal Nehru National Institute of Technology Allahabad, Allahabad, reserves the right to reject, accept any or whole or part of any of the tender without assigning any reason thereof and no claim will be heard. In case of dispute, the decision of The Director, MNNIT, and Allahabad will be final and binding.
9. If the successful bidder is not able to supply the goods items within the delivery date specified in the purchase order, the purchase order will be automatically treated as cancelled after expiry of delivery date period. The vendor will have to submit an undertaking in this regard that this condition is acceptable to him. In case of extra ordinary circumstances the vendors must send a request for extension of validity of purchase orders, with proper justification prior to the expiry of validity date for consideration.
10. In case of sophisticated equipments, an on-site training needs to be provided with no extra cost.
11. The quotation must be accompanied by leaflets/operation manuals/books etc.
12. Wherever applicable the vendors must quote the branded /desired items.

CHECK LIST  
(ON THE LETTER HEAD OF THE BIDDER)

The Bid will be the compilation of following documents, along with required supporting documents. No document in support of minimum eligibility criteria will be accepted / entertained after opening of tender.

Sl. No	Documents
1.	Cover letter by bidder (On the Letter Head of the Bidder)
2.	Tender Fee
3.	Earnest Money Deposit (EMD), if required
4.	Cliental List for quoted item
5.	<b>Annexure-A</b> : Bid Proposal Sheet (On the Letter Head of the Bidder)
6.	<b>Annexure-B</b> : Compliance of bidder with reference to various equipments (On the Letter Head of the Bidder)
7.	<b>Annexure-C</b> : PROFORMA FOR PRICE REASONABILITY CERTIFICATE (On the Letter Head of the Bidder)
8.	<b>Annexure-D</b> : PRICE BID (On the Letter Head of the Bidder)
9.	<b>Annexure-E</b> : PROFORMA FOR DIRECT PAYMENT/TRANSFER TO BANK ACCOUNT BY MNNIT ALLAHABAD
10.	<b>OEM Authorization required with subjected tender specific.</b>

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ANNEXURE-A

BID PROPOSAL SHEET  
(ON THE LETTER HEAD OF THE BIDDER)

To

Faculty In-charge (Purchase)  
MNNIT Allahabad, Allahabad

**Subject:** Supply and installation of “**Network Access Switch**” at MNNIT Allahabad, Allahabad.

Dear Sir,

We, the undersigned Tenderers, having read and examined in detail the specifications as specified in this document in respect of Supply and Installation of **Network Access Switch** at MNNIT Allahabad, Allahabad do hereby propose to supply the required products and services.

Tender No.				
Tender Fees submitted		YES / NO (Please strike off whatever is not applicable)		
Amount	Mode	Date of Issue	Name of Bank	Valid up to
	Demand Draft			
EMD submitted		YES / NO (Please strike off whatever is not applicable)		
Amount	Mode	Date of Issue	Name of Bank	Valid up to
	Demand Draft			

- (i) **ADDITIONAL PURCHASE/WORK ORDER:** We understand that the MNNIT Allahabad, Allahabad, in case of the requirements may also place repeat purchase order/work order on the company. In such cases, we shall accept and execute all the purchase/work order placed on us by MNNIT Allahabad, Allahabad.
- (ii) **BID PRICING:** We further declare that the prices stated in our proposal are in accordance with your Terms & Conditions in the bidding document. We further understand that the quantities as specified in this Tender may increase or decrease at the time of Award of Purchase Order as per the requirements of MNNIT Allahabad, Allahabad.
- (iii) **QUALIFYING DATA:** We confirm that we satisfy the qualifying criteria and have attached the requisite documents as documentary proofs. In case you require any further information/documentary proof in this regard during evaluation of our bid, we agree to furnish the same in time to your satisfaction.
- (iv) **CONTRACT PERFORMANCE SECURITY:** We hereby declare that in case the contract is awarded to us, we shall submit the performance Guarantee Bond in the form of Bank Guarantee for the amount mentioned at **clause No. 5 in ITB** of the total order value.
- (v) **PAYMENT TERMS:** We hereby declare that in case the contract is awarded to us, we agree with payment terms specified in the tender documents.
- (vi) **CERTIFICATE AND DECLARATION:**
  - a) I/We certify that no addition/modification/alteration has been made in the Original Tender Document. If at any stage addition /modification /alteration is noticed in the Original Document, I/We will abide by the terms and conditions contained in the original tender document, failing which MNNIT Allahabad reserves the right to reject the tender and/or cancel the contract
  - b) It has been certified that all information provided in tender form is true and correct to the best of my knowledge and belief. We hereby declare that our proposal is made in good faith, without collusion or fraud. No forged /tampered document(s) are produced with tender form for gaining unlawful advantage. We understand that MNNIT Allahabad is authorized to make enquiry to establish the facts claimed and obtained confidential reports from clients.
  - c) In case it is established that any information provided by us is false / misleading or in the circumstances where it is found that we have made any wrong claims. Further MNNIT Allahabad is also authorized to blacklist our firm/company/agency and debar us in participating in any tender/bid in future.
  - d) I / We assure the Institute that neither I /We, nor any of my /our workers, will do any act which is improper / illegal during the execution in case the tender is awarded to us.
  - e) I / We assure the Institute that I / We will NOT be outsourcing any work specified in the tender document, to any other firm.
  - f) Neither I / We, nor anybody on my /our behalf will indulge in any corrupt activities /practices in my /our dealing with the Institute.
  - g) Our Firm / Company / Agency is not been blacklisted or banned by any Govt. Department, PSU, University, Autonomous Institute or any other Govt. Organization.
  - h) I/We certify that, I have understood all the terms & conditions (GCC and ITB etc.), as indicated in enquiry of the tender document, and hereby accept all the same completely.
  - i) I/We, further certify that I/We, possess all the statutory /non-statutory registrations, permissions, approvals, etc., from the Competent Authority for providing the requisite services,
  - j) We understand that you are not bound to accept the lowest or any bid you may receive.
  - k) I/We hereby declare that this tender on acceptance communicated by you shall constitute a valid and binding contract between us.
  - l) I/We certify that the submitted quotation is duly paginated and contains from page no. 1 to .....

Date:

Signature and Seal of the Manufacturer/Bidder

Technical Compliance of Goods  
(ON THE LETTER HEAD OF THE BIDDER)

Sl. No.	Descriptions/Specification		Compliance (Yes/No)	Quoted Model
1	<b>General Features</b>	The switch should support a minimum of 24 nos. 10/100/1000 Ethernet Ports		
		The switch should support a minimum of 2 SFP+ Uplinks		
		The switch should support 2x10G SFP+ modules		
		The switch should support 2x1G SFP modules		
		The switch should support a total of 26 Ports		
2	<b>Performance and Scalability</b>	The switch should support Forwarding bandwidth of 108 Gbps		
		The switch should support Full-duplex Switching bandwidth of 216 Gbps		
		The switch should support 64-Byte Packet Forwarding Rate of 95.2 Mpps		
		The switch should support 4096 VLAN IDs		
		The switch should support 16000 Unicast MAC addresses		
3	<b>Dimension</b>	The Switch should be 1RU		
		The switch should support Operating temperature up to 5000 ft (1500 m) -5° to 45°C		
		The switch should support Operating relative humidity 10% to 95% noncondensing		
4	<b>Stacking</b>	The switch should support Stacking		
		Stacking should enable all switches to function as a single unit		
		The switch should support an optional Stacking Port		
		Stacking module should be Hot-swappable		
		Stacking should support a minimum of 2 or more Switches		
		Stacking should support a maximum of 8 Switches		
		Stacking should support 80 Gbps of throughput		
		Stacking should support single IP address management for the group of switches		
		Stacking should support single configuration		
		Stacking should support simplified switch upgrade		
		Stacking should support automatic upgrade when the master switch receives a new software version		
		Stacking should support stacking cable length of 3m		
		Stacking should support QoS to be configured across the entire stack		
5	<b>Power Supply</b>	The switch should support an auto-ranging power supply with input voltages between 100 and 240V AC		
		The switch should support an External Redundant Power Supply		
6	<b>Standards</b>	The switch should support IEEE 802.1D Spanning Tree Protocol		
		The switch should support IEEE 802.1p		
		The switch should support IEEE 802.1Q Trunking		
		The switch should support IEEE 802.1s Multiple Spanning Tree (MSTP)		
		The switch should support IEEE 802.1w Rapid Spanning Tree (RSTP)		
		The switch should support IEEE 802.1x		
		The switch should support IEEE 802.1ab (LLDP)		
The switch should support IEEE 802.3ad Link Aggregation Control Protocol (LACP)				
7	<b>Layer-2 Features</b>	The switch should support Automatic Negotiation of Trunking Protocol, to help minimize the configuration & errors		
		The switch should support IEEE 802.1Q VLAN encapsulation		
		The switch should support Centralized VLAN Management. VLANs created on the Core Switches should be propagated automatically		
		The switch should support Spanning-tree PortFast and PortFast guard for fast convergence		
		The switch should support UplinkFast & BackboneFast technologies to help ensure quick failover recovery, enhancing overall network stability and reliability		
		The switch should support Spanning-tree root guard to prevent other edge switches becoming the root bridge.		
		The switch should support IGMP filtering		
		The switch should support Per-port broadcast storm control to prevent faulty end stations from degrading overall systems performance		
		The switch should support Per-port multicast storm control to prevent faulty end stations from degrading overall systems performance		
		The switch should support Per-port unicast storm control to prevent faulty end stations from degrading overall systems performance		
		The switch should support Local Proxy Address Resolution Protocol (ARP) working in conjunction with Private VLAN Edge to minimize broadcasts and maximize available bandwidth.		
		The switch should support IGMP v1, v2 Snooping		
		The switch should support IGMP v3 Snooping		
		The switch should support IGMP v1, v2 Filtering		
		The switch should support IGMP Snooping Timer		
		The switch should support IGMP Throttling		
The switch should support IGMP Querier				
The switch should support Configurable IGMP Leave Timer				
The switch should support MVR (Multicast VLAN Registration)				
8	<b>L3 Features</b>	The switch should support Inter-VLAN routing		
		The switch should support IPv4 unicast Static Routing		
		The switch should support 16 IPv4 Static routes		
9	<b>Operations</b>	The switch should support configuration of the Software image and switch configuration without user intervention		
		The switch should support automatic configuration as devices connect to the switch port		

		The switch should support diagnostic commands to debug issues		
		The switch should support system health checks within the switch		
		The switch should support Online Diagnostics		
10	<b>Quality of Service (QoS) &amp; Control</b>	The switch should support 4 egress queues per port to enable differentiated management		
		The switch should support scheduling techniques for Qos		
		The switch should support Weighted tail drop (WTD) to provide congestion avoidance		
		The switch should support Standard 802.1p CoS field classification		
		The switch should support Differentiated services code point (DSCP) field classification		
		The switch should support Control- and Data-plane QoS ACLs		
		The switch should support Strict priority queuing mechanisms		
		The switch should support Rate Limiting function to guarantee bandwidth		
		The switch should support rate limiting based on source and destination IP address		
		The switch should support rate limiting based on source and destination MAC address		
		The switch should support rate limiting based on Layer 4 TCP and UDP information		
		The switch should support availability of up to 256 aggregate or individual polices per port.		
11	<b>Management</b>	The switch should support Command Line Interface (CLI) support for configuration & troubleshooting purposes.		
		The switch should support Layer 2 trace route to ease troubleshooting by identifying the physical path that a packet takes from source to destination.		
		The switch should support CLI-based management console to provide detailed out-of-band management.		
		The switch should support Serial Console Port		
		The switch should support USB Console Port		
		The switch should support SNMPv1, SNMPv2c, and SNMPv3		
12	<b>Network security features</b>	The switch should support IEEE 802.1x to allow dynamic, port-based security, providing user authentication.		
		The switch should support Port-based ACLs for Layer 2 interfaces to allow application of security policies on individual switch ports.		
		The switch should support SSHv2 and SNMPv3 to provide network security by encrypting administrator traffic during Telnet and SNMP sessions.		
		The switch should support TACACS+ and RADIUS authentication enable centralized control of the switch and restrict unauthorized users from altering the configuration.		
		The switch should support MAC address notification to allow administrators to be notified of users added to or removed from the network.		
		The switch should support Port security to secure the access to an access or trunk port based on MAC address.		
		The switch should support Multilevel security on console access to prevent unauthorized users from altering the switch configuration.		
13	<b>IPv6 Features</b>	The switch should be on the approved list of IPv6 Ready Logo phase II - Host		
		The switch should support IPv6 unicast Static Routing		
		The switch should support 16 IPv6 Static routes		
		The switch should support IPv6 MLDv1 & v2 Snooping		

ANNEXURE-C

**PROFORMA FOR PRICE REASONABILITY CERTIFICATE**

**(Company's/Firm Letterhead)**

**PRICE REASONABILITY CERTIFICATE**

It is certified that the rates quoted against Enquiry No. .... dated .....for the supply of items vide our Quotation No. ....dated ..... for (Currency/Value).....addressed to MNNIT Allahabad.....are exclusively for supply to ACADEMIC and RESEARCH Institutions and are not more than as charged to other Government /PSU's for similar supplies made in recent past.

We would like to certify that the quoted price are the minimum and neither we have quoted the same item on lesser rates, than those being offered to MNNIT Allahabad, to any other customer for similar supplies made in recent past, and nor we will do so till the validity of offer or execution of purchase order, whichever is later.

If these rates are approved by the Director, MNNIT Allahabad and if at any stage the quoted rates are found higher than the rates applicable to supply to Government, then in such condition MNNIT Allahabad will have the right to cancel the approved rates/Purchase order and to take legal action against the tenderer.

Yours faithfully,

(Signature with date)

Name:

Designation:

Seal:

Duly authorized to sign tender/enquiry for and on behalf of

PRICE BID  
(ON THE LETTER HEAD OF THE BIDDER)

Sl. No.	Brief Description of the Goods	Quantity	Quoted Unit Rate in Rs	Total Amount (in Rs.)		Tax	
				In Figures	In Words	VAT	Any other charges (if any)
1.	<b>Network Access Switch</b> 24 Port Port GigE, 2x10G SFP+, LAN Base Network Switch with power cable. 2960-X Cisco or equivalent, Comprehensive Warranty 3 years  (Detailed Specification attached at 'Annexure-B')	10 Nos.					

We agree to supply the above goods in accordance with the technical specifications for a total contract price of \_\_\_\_\_ within the period specified in the Invitation for Quotations.

We also confirm that the normal commercial warrantee/guarantee of \_\_\_\_\_ months shall apply to the offered goods.

**Signature and Seal of the Manufacturer/Bidder**

ANNEXURE-E

PROFORMA FOR DIRECT PAYMENT/TRANSFER TO BANK ACCOUNT BY MNNIT ALLAHABAD

Sl. No.	Particulars	Information
1.	Firm [Beneficiary] Name	
2.	Code No. allotted by the MNNIT Allahabad [If code is not allotted yet, please enclose a cancelled cheque and copy of PAN card. Cancelled cheque & PAN card is to be submitted only once]	
3.	Complete Bank Account No. of the Firm [beneficiary]. [in case of change in bank account vendor should write to Account Office]	
4.	Bank Name	
5.	Branch Address	
6.	IFSC Code No.	
7.	Permanent Account Number	
8.	Mobile No. [for SMS]	
9.	Email ID [for information]	

We undertake that all information provided above is correct and MNNIT Allahabad will not be responsible in case of any error on the part of firm.

[Seal and Signature of the firm]