



Dr B R AMBEDKAR NATIONAL INSTITUTE OF TECHNOLOGY

G T Road By Pass, Jalandhar-144011, Punjab (India)

EPABX-0181-2690301 & 453 website: www.nitj.ac.in email: registrar@nitj.ac.in

Ref. No. NITJ/PUR/CC/38/18/e-Tender No.09/2018

Date:

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AR (Purchase)

Dr. B. R Ambedkar NIT Jalandhar

Email: arpurchase@nitj.ac.in



Dr B R AMBEDKAR NATIONAL INSTITUTE OF TECHNOLOGY
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e-TENDER NOTICE - NITJ/PUR/CC/38/18/e-Tender No. 09/2018

Last Date for Submission of Online bids : 04.10.2018 upto 05:00 PM
Date of Opening of Online Technical bids : 05.10.2018 at 11:00 AM

e-Tenders are invited in two bids system for Supply, Installation, Commissioning, Testing & Integration of 24 Port, 48 Port Switch and Access Points for Up-gradation of Existing Network and Wi-Fi of the Institute from the manufacturers, authorized distributors/dealers/suppliers. The detailed tender document, terms & conditions and specifications can be downloaded/ seen at website of the Institute www.niti.ac.in or www.tenderwizard.com/NITJ.

Only e-tenders will be accepted for more details/clarifications the Bidders may contact Mr. Vijay Kumar on behalf of M/s ITI Limited on mobile No. 8146699878 or e-mail: vijay@etenderwizard.com and may also contact on Chandigarh Help-lines: 0172-3934667, 9257209340, 8054628821, Delhi Helpline - 011-49424365.

Registrar



THIS DOCUMENT IS FOR REFERENCE ONLY. ONLY E-TENDERS WILL BE ACCEPTED

e-TENDER NOTICE - NITJ/PUR/CC/38/18/e-Tender No.09/2018

National Institute of Technology, Jalandhar invites tender for Supply, Installation, Commissioning, Testing & Integration of 24 Port, 48 Port Switch and Access Points for Up-gradation of Existing Networking as per details available at (Annexure-I) along with Tender Fee, EMD & Processing Fees of the Institute as per details given below:

I	Downloading of e-tender document	Start Date : 07.09.2018 at 03:00 PM End Date : 04.10.2018 upto 05:00 PM
II	Date of submission of e-tender	End Date : 04.10.2018 upto 05:00 PM
III	Physical submission of Tender Fee and EMD	End Date : 04.10.2018 upto 05:00 PM
IV	Opening of Technical e-Bids (online)	05.10.2018 on 11:00 AM

Detailed Terms and Conditions are available in e-tender document. The bid document can be downloaded from the website of www.tenderwizard.com/NITJ.

Complete tender document is available for reference purposes on Institute website www.nitj.ac.in. **Only** e-tenders will be accepted. Bidders may contact Mr. Vijay Kumar on behalf of M/s ITI Limited on mobile No. 8146699878 or e-mail: vijay@etenderwizard.com and may also contact on Chandigarh Help-lines: 0172-3934667, 9257209340, 8054628821, Delhi Helpline – 011-49424365.



Annexure-I

Ref. No. NITJ/PUR/CC/38/18/e-Tender No.09/2018

Date:

Detail of Switch, Tender Fee & EMDs is as under:

Sr. No.	Item	Qty.	Tender Fee	EMD	Tender Processing Fee (Including GST)
1.	Supply, Installation, Commissioning, Testing & Integration of 24 port, 48 Port Switch and Access Points for Up-gradation of Existing Networking	As per Annexure 'B'	Rs.500/-	Rs.2,15,000/-	Rs.12,675/-

Note: The quantity of required Switch may vary as per requirement.



Important Note

1. All corrigenda, addenda, amendments and clarifications regarding this tender specifications or other clarifications will be hosted in the website www.nitj.ac.in and not in the newspaper; Bidders shall keep themselves updated with all such developments.
 2. In case the last date of receipt/opening of bids falls on holiday, the bids shall be receipt/opened on the following working day at same time.
 3. In case the last date of Submission of EMD & Tender fee falls on holiday, the EMD & Tender fee shall be submit on the following working day at same time.
 4. Tenderer who have downloaded the tender document form from the institute website shall submit a declaration along with tender document that I/We have downloaded the Tender Form from the institute website www.nitj.ac.in and I/we have not tempered /modified the tender form in any manner. In case, if the same is found to be tempered/modified in any manner, I/we understand that my/our tender will be summarily rejected and I/we are liable to be banned from doing business with institute.
 4. **Tender fee of Rs.500/- (Non- refundable) in the form of DD favoring Director, D R B R Ambedkar NIT, Jalandhar**
 5. **EMD (refundable) in the form of DD favoring Security- A/c, DR B R Ambedkar NIT, Jalandhar.**
 6. **Both EMD and Tender fee be submitted as per dates mentioned in schedule, failing which e-bids will not considered. The Processing fees for each category will paid through online mode only to M/s ITI Limited, New Delhi.**
- ❖ **All the bidders are required to submit the Tender Fee and EMD as per requirement of tender document failing which bids received straightway rejected and bid will be treated invalid.**
 - ❖ **Note: If the bidder inadvertently or otherwise upload the quoted rates in the technical bid, the bid will be straightway rejected and treated invalid.**
 - ❖ **Tenderer must submitted (enclosed) a scanned copy duly signed and Stamped regarding terms & conditions as per our tender documents along-with make/model, specifications, bill of quantity as per required Switch in the technical bid for examine the bid as per our institute tender documents. It may be noted that no rate should be depicted in the letter head.**



Instructions to Tenderer

1. No tender will be accepted in physical form. The bidders shall have to submit their Bids online in Electronic Format under Digital Signatures. For participation in the e-tendering process, the bidders need to register themselves on www.tenderwizard.com/NITJ. The registration and other charges are available on their website. On registration, they will be provided with a user ID and a system generated password enabling them to submit their Bids online using Digital System Certificates (DSC).
2. Tenders without Digital Signatures will not be accepted by the electronic tendering system.
3. Bids will be opened online as per time given schedule failing which no tender will be submitted.
4. **Before submission of online bids, bidders must ensure that scanned copies of all the necessary/relevant/supporting documents have been uploaded with the bid which should be duly signed and stamped. The duly signed and stamped copies of the relevant documents required as per Terms & Conditions of the tender, reply of the Questionnaire of Up-gradation of Existing Network and other required documents of the Tender & Annexures must be uploaded, failing which their bids may be rejected and will not be considered.**
5. **The scan copy of the terms & condition of this tender document duly signed and stamped must be uploaded, failing which their bid may be rejected and will not be considered.**
6. NIT JALANDHAR, will not be responsible for any delay in online submission of bids due to any reason whatsoever.
7. **Bidders should also send the scanned copies of Tender fees and EMD as specified in the tender documents with online technical documents. EMD in the form of a Demand Draft in favour of the Security – A/c, Dr B R Ambedkar NIT, payable at Jalandhar (refundable) and Tender Fee in the form of a Demand Draft in favour of the Director, Dr B R Ambedkar NIT, payable at Jalandhar (Non- refundable) should be submitted to the following address before opening of the Technical Bid as per given in the schedule time for physical submission of EMD and Tender fee. Envelope should have full address and phone number of the tenderer.**

Kind Attention- Purchase Section
Submission of EMD and Tender Fee
Due Date _____ and Time _____ against e-Tender No: _____ for
Up-gradation of Existing Networking
Director,
Dr B R Ambedkar National Institute of Technology,
G T Road Amritsar By Pass, Jalandhar-144011, Punjab (India).

8. The details of EMD specified in the tender document should be same as submitted online (scanned copies), otherwise tender will be summarily rejected.

Read and Accepted.

(Signature & Stamp of Tenderer)



9. The conditional bids shall not be considered and will be out rightly rejected.
10. The Financial Bid through e-tendering of only those bidders shall be opened who will qualify in the technical bid and are approved by the Purchase Committee/Technical Experts. The date, time & place of opening of the financial bid(s) will be intimated in due course of time.
11. Telex, Fax, e-mail and other incomplete offers are liable to be summarily ignored.
12. At any time prior to the deadline for submission of bid, the institute may, for any reason, whether at its own initiative or in response to a clarification requested by a prospective tenderer(s), modify the tender document by amendment.
13. The amendment will be published on Institute website only. In order to afford prospective tenderer(s) reasonable time in which to take the amendment into account in preparing their bid, the institute may, at its discretion extend the deadline for the submission of tender.
14. **The supplier must support the quoted specification/items with the help of original printed manuals / drawings (if any) required of the Switch & other components and the tenderer should highlight original brochure.**
15. The Institute is not liable to pay any interest on EMD. Earnest money deposit shall be forfeited, if the tenderer, withdraws its bid during the period of tender validity. The Earnest money deposit of the tenderer, whose tender has been accepted, will be returned on the submission of **performance security @5% of the total value of the offer. The performance security will be kept till the warranty period of the Switch. The warranty period will start from the date of Satisfactory working, Installation, Commissioning, Testing & Integration of the Switch duly given by the concerned department.** Earnest money deposit of the successful tenderer shall be forfeited, if it refuses or neglects to execute the supply of material as per terms & conditions of tender or fails to furnish the required performance security within the time frame as specified by the institute. The EMD(s) of other Bidder(s) whom offer will not found according to required specification/ lowest will be released after finalization of Technical Bids/ Lowest Bid/Purchase.
16. The Format of Performance Bank Guarantee bond or Performance Bank Guarantee issued by the bank as per the format given in **Annexure "C" & "D"**.
17. Delivery time is the essence of the contract and must be met with.
18. Specifications can be changed depending upon suitability after discussion. Nearest specifications/better specifications can be considered. In case of deviation complete justification should be furnished with proper documents.
19. **Read and Accepted.**

(Signature & Stamp of Tenderer)



20. The Director may accept a tender in part or whole of the quantity offered, reject any tender without assigning any reasons and may not accept the lowest or any doubt dispute or whatever may be the decision of the Director shall be final in this regard.
21. The offer shall be kept valid for 120 days.
22. All offers other than those from the Principal/OEM should be supported by an authority letter from the manufacturer authorizing the dealer /supplier to tender on their behalf as per **Annexure-E**, failing which bid will be treated invalid. In case of manufacturer a certificate or a copy thereof to the effect that the bidder is a manufacturer of the Switch must be accompanied with the technical bid.
23. The supplier will be responsible till the entire stores contracted for, arrive in good condition at destination.
24. The tenderer should not have been debarred and/ or blacklisted by any Central Government/ or any State Government Department(s) supported by the affidavit as per format given in **Annexure-“F”**.
25. If any information furnished by the bidder is, at any stage found to be incorrect, false or fabricated, the purchaser shall have the absolute right to forfeit EMD and security deposits, in addition to cancellation of contract, forfeiting the warranty/performance guarantees and other action in accordance with law, such as black-listing, risk & cost etc.

Read and Accepted.

(Signature & Stamp of Tenderer)



TENDER EVALUATION

Institute will evaluate all the proposals to determine whether these are complete in all respects as specified in the tender document. Evaluation of the proposals shall be done in two stages as:

(a) Stage – I (Technical Evaluation):

(i) Institute shall evaluate the technical bid(s) to determine whether these are qualify the essential eligibility criteria (if any mentioned), whether the tenderer has submitted the EMD & Tender fee, whether any computational errors have been made, whether all the documents have been properly filled, whether all the documents as mentioned or required to submitted with technical bid are submitted and whether bids are completed and generally in order. Whether, the specifications, Make/Model, Catalogue of quoted Switch as per requirement tender specifications, Authorization of Dealer / Distributor/ Exclusive Agent certificate from manufacturer in order etc. Detail sales & service policy of Switch during warranty period and after warranty period, location of their authorized service centre etc.

After evaluation of technical bid(s), a list of the qualifying tenderer (s) shall be made, short-listed tenderer(s) shall be informed of the date, time and place of opening of financial bid(s) and they may attend or depute their authorized representative/s to attend the opening of financial bid(s) on the scheduled date and time, if they wish to do so. The representative(s) should have a letter of authority to attend the price bid(s) opening event.

Read and Accepted

(Signature & Stamp of Tenderer)



PART – II (e-FINANCIAL BID):

- a) e- Financial bid should be offered the rates as per the format of tender at **Annexure “G” (online only)**. Detail bill of material/quantity is also to be provided along with the price breakup of each item as per requirement of the tendered specifications of the Switch in the online price bid given at www.tenderwizard.com/NITJ (**Annexure “G”**) where separate sheet with adequate space has been provided.

❖ **Note: The quoted amount as filled in the Annexure of online financial bid and detail bill of material/quantity provided along with the price break up of each item as per requirement of tender specifications on separate sheet in the online financial bid should be filled carefully. The total amount quoted/depicted on both sheets (online should bid and detail bill of material/quantity provided along-with the price break up of each item) should be tallied, otherwise bid will be treated invalid.**

- b) GST or any other taxes and Education Cess will be paid extra as applicable. However present chargeable taxes must be mentioned in the offer.

ARBITRATION:

In case of any dispute or difference arising out of or in connection with the tender conditions / job order and Contract, the Institute and the Seller/ Service Provider will address the dispute / difference for a mutual resolution and failing which, the matter shall be referred for arbitration to a sole Arbitrator to be appointed by the Institute.

The Arbitration shall be held in accordance with the provisions of the Arbitration and Conciliation Act, 1996 and the venue of arbitration shall be at Jalandhar only. The decision of the Arbitrator shall be final and binding on both the parties.

JURISDICTION:

The courts at Jalandhar alone will have the jurisdiction to trial any matter, dispute or reference between parties arising out of this tender / contract. It is specifically agreed that no court outside and other than Jalandhar Court shall have jurisdiction in the matter.

Read and Accepted.

(Signature & Stamp of Tenderer)



(TERMS AND CONDITIONS (FOR THE SUPPLY OF GOODS/SWITCH))

1. Rate should be quoted F.O.R NIT Jalandhar.
2. Price list for spare parts/consumables parts (If any) required after warranty or otherwise may be provided on the separate sheet in the online financial bid as per **Annexure 'G'** where adequate space is given for purpose (It is only for information purpose and is not part of the price bid).
3. Where the Switch is composed of several sub units/components, the rate should be quoted for each subunit/component separately. NIT Jalandhar reserves the right to increase or decrease the number of sub units/components and number of Switch according to its requirements.
4. GST or any other chargeable duty where applicable must be specifically mentioned, failing which no tax or duty will be allowed at subsequent stage.
5. a) All items shall be indicated both in words as well as in figures. Where there is difference between amount quoted in words and figures amount quoted in words shall prevail.
b) While quoting the rates bidder should carefully checked to grand total of their item quoted, if any discrepancy found the actual rates as quoted in their financial bid will be calculated by office & accordingly rate will be corrected.
6. a) 90% payment will be allowed against physical delivery, inspection, installation, commissioning, testing and integration of the Switch and satisfactory working of networking in the institute. Balance 10% payment will be released within 20 days from the satisfactory working performance report of the Switch and receipt of Performance Bank Guarantee @ 5%.
b) The payment of the additional 2 years comprehensive on-site warranty will be released after expiry of the warranty period of the Switch.
7. **Warranty: Rates should be quoted with 3 years comprehensive on-site warranty of the Switch. Bidders also quote rates for additional 2 years comprehensive on-site warranty separately. Beside this, policy regarding sale service of the Switch during warranty period may be explained. The bidders should attach duly signed and stamped certificate of warranty as per Annexure-H with the technical bid.**
8. **Training: The supplier has to impart onsite training to the Institute's technical staff at the time of Installation and commissioning of Switch and training for 2-3 technical persons in the OEM centre anywhere in India.**

Read and Accepted.

(Signature & Stamp of Tenderer)



9. Delivery: Delivery as will be mentioned in the supply order. The time and date of delivery or dispatch stipulated in a supply order shall be deemed to be the essence of the supply order and if the supplier fail to deliver or dispatch any consignment within the period prescribed for such delivery stipulated in the supply order the delayed consignment will be subject to penalty as laid down in the supply order which will be recovered from the pending payments.

1. No recovery of penalty will be made if the delayed supplies are acceptable by extending the delivery period by the Director.
2. Director will allow extension on the request of the supplier by recording in writing that in exceptional circumstances the supply was beyond the control of the supplier and there was no loss to the institute.
3. Penalty on account of delay, Director NIT, Jalandhar reserves the right to impose 0.5% (Half) per cent penalty per week on account of delay in supply, if delivery received after expiry of the original delivery period. The total penalty should not exceed 10% of the value of the delayed goods.

10. Site Preparation: The supplier shall inform NIT Jalandhar about the site preparation, if any, required for the installation, immediately after receipt of the supply order. Supplier must provide complete details regarding space and all infrastructural requirements needed for the Port Switch and other component/material which NIT Jalandhar should arrange before the arrival of Switch/components/material to ensure its early installation and smooth operation thereafter. The supplier may offer his advice and render assistance to NIT Jalandhar in the preparation of the site and other pre installation requirements.

16. Scope of Work:- The total scope of work includes the supply, installation, satisfactory commissioning, testing & integration of the Port Switch and Access Points by the supplier, training (if any) at NIT Jalandhar, method development and validation for parameters as mentioned in specifications at **Annexure-B**. The supplier will complete installation & Testing/Commissioning, testing & integration of Switch within two to three weeks from the date of receipt of Switch of NIT Jalandhar, otherwise penalty will be imposed on account of delay.

17. Detail about the service center for the quoted Switch in India may be mentioned.

Read and Accepted.

(Signature & Stamp of Tenderer)



Acceptance

We _____ read and accept the instructions to the tenderer, terms & conditions and other documents as mentioned in the tender and shall comply with them strictly.

Name of Bidder _____

Signature

Address

Seal of firm:

Date:



Questionnaires A & B

QUESTIONNAIRE FOR UP-GRADATION OF EXISTING NETWORK

Note: Please submit the reply in detail and also enclose the necessary documents with proof where required as per Questionnaire. These documents must be submitted in the technical bid document.

Please state that you have submitted your quotations as per procedure mentioned below:-

➤ Bids consisting of technical details bringing out clearly in a separate sheet ,the deviation in the specifications if any from that of tender enquiry specifications along with commercial terms and tender form.

1. Please attach list dully signed by you, for such spare parts and tools which are absolutely essential for proper maintenance and operation of networking for a period of three years giving full particulars of spare and tool with a price of each spare parts and tools separately.
2. Please confirm that you have adequate servicing and spare parts facilities in India in respect of Equipment /Item tendered for by you or that you should arrange to provide such facilities simultaneously.
3. Please indicate that you guarantee that before going out of production of spare parts you will give adequate advance notice to the purchaser so that the later may order his requirements of spares in one lot ,if he so desire.
4. Please indicate that you further guarantee that if you go out of production of spare parts, then you will make available prints, drawings of the spare parts and specifications of the material at no cost if and when required in connection with Equipment /Item to enable the purchaser to fabricate or procedure spare parts from other sources.
5. Please confirm that you undertake to enter into a rate contact with the purchaser to supply spare parts on an agreed basis or an agreed period.
6. Status:-
 - a) Indicate whether you are ISU or SSI
 - b) Are you registered with DGS & D/ Government e-Marketing (GeM) for the item quoted? If so indicate whether there is any monetary limit or registration.
 - c) If you are a small scale unit registered with NSIC under single point registration scheme whether there is monetary limit.
7. a) If you are registered either with NSIC or with DGS&D/ Government e-Marketing (GeM) in please State whether you are registered with Directorate of industries of the state government concerned.
 - b) If so, confirm whether you have attached a copy of the certificate, issued by Director of industries.
8. Please indicate:-



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Name & Full Address of your Banker

9. Business name and constitution of firm:-

- i) The Indian company Act.1956
- ii) Indian partnership Act.1932
- iii) Any act, if not, who are the owner/partners (please give full name and address)

10. Whether the tendering firm is / are:-

- i) Manufacturers authorized agents
- ii) Holders stock of the stores tendered for
- iii) **NBI manufacturer's agents please enclose with tender the copy of manufacturer's authorization.**

11. Here state specifically:-

- i) Whether the price quoted by you is to the best of your knowledge and belief is not more than the price usually charged by you on stores of the same natures, class of description to any private purchase either foreign or as well as government purchaser. If not state the reason thereof if any also indicates the margin of Difference.
- ii) In respect of indigenous items for which there is a controlled price fixed by law, the price quoted shall not be higher than that the controlled price and rates available on DGS&D/ Government e-Marketing (GeM) contract. The reason thereof should be stated.

12. State whether business dealing with you has been banned by Ministry /Department of supply or any other Govt. Department.

13. Please confirm that you have read all the instruction carefully and have complied with accordingly.

(Signature of Tenderer)

(_____)

1. Full Name & Address of the person signing

(_____)

Whether signing as proprietor /partners



PROFORMA FOR PERFORMANCE STATEMENT
(For the Period of last 3 years)

e-Tender Notice - NITJ/PUR/CC/38/18/e-Tender No.09/2018

Sr. No.	Order (full placed address of purchaser)	Order No. & dated	Description and Qty. of Stores ordered	Value of Order	Date of Completion of delivery	Have the Port Switch been satisfactory commissioned

Signature and seal of Manufacturer/Tenderer



Brief Requirement Campus Wide Network NIT Jalandhar

Dr B R Ambedkar NIT Jalandhar is planning to upgrade its existing Campus network. NIT Jalandhar is currently running on Cisco Switches at Core/Distribution/Access Layer with 1/10G backbone. Now NIT Jalandhar wants to add/replace more switches in the existing network.

In the current infrastructure NIT Jalandhar has

1. Core Switches – Cisco C9500-24Q
2. Distribution Switches – Cisco WS-C3850-24XS
3. Access Switches – Cisco 2960X Series (24/48 Ports)
4. Wireless Controller – Cisco CT5520
5. Access Point – Cisco AP3802I-D-K9

The Core is connected to Distribution over 10G links (Link can be upgradable to 40G with the change of transceivers in future) and Distribution to Access is 1G (Link can be upgradable to 10G with the change of transreceiver) in the current setup.

In the present setup – the network infrastructure is also having some Extreme switches which will be replaced with new switches in different phases.

With the current challenges – NIT Jalandhar intends to upgrade its existing campus network to highly scalable, high bandwidth network which can be easy to manage.

Below are the requirements while upgrading the existing campus network

- Upgrade of the Campus wide Network to Intelligent high bandwidth backbone over 10G as of now, which should be scalable to 40G in future using Campus Fabric Technology, just by upgrading the transceivers, without changing any switching hardware in the network.
- Seamless integration with the existing network switches, WLC etc.
- Upgrade of remaining Distribution and Access Switches.
- Adding new wireless infrastructure in the complete campus on latest generation high speed network on Wave-2 technology which is controlled and managed by existing wireless controller.
- The network should be highly scalable and robust which should have capability which reduces complexity in the network environment.
- NIT Jalandhar will need next generation network architecture that supports to have Controller base Orchestrator, thus building a single fabric that spans the whole network and programmable switches. The required controller and necessary upgrade licenses shall be taken by NIT Jalandhar in next phase.
- Support a single network fabric to enable a consistent user experience anywhere without compromising on security, meaning common user policy for LAN, WAN and Cloud.



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- Supports Consistent management of wired and wireless network provisioning and policy
- Supports a mechanism that offers contextual insights for fast issue resolution and capacity planning.
- The network shall support workflow based design, provisioning, installation and day-to-day management tasks.
- The next generation network support that allow the devices and users to seek network access through flexible secure options such as 802.1X, Active Directory and static authentication schemes.
- The network shall support the ability to predict issues and take proactive measures as well as resolve issues expeditiously whenever they occur.
- The network shall support capabilities to collect data from many sources in the network, such as syslog and Net Flow, to provide contextual insights into users and network activities.
- It should support easy to deploy, provision, manage and troubleshoot the devices using automation.
- The solution should support to define clear network segmentations which consists of unified policies based on users for wired as well as wireless.
- The network should support to perform intuitive which lowers the risks and can provide immediate remedial actions resulting to faster response and resolution time.
- The entire hardware thus quoted by the bidder for this requirement shall be able to seamlessly integrate with the existing Core Switches, Distribution Switches & Wireless Controller. Required / necessary software licenses to be considered by the bidder.

Below are the components which NIT Jalandhar intends to be part of upgrade solution

A.	Distribution Switches	-	04 No.
B.	Access Switches – 48 port POE	-	11 No.
C.	Access Switches – 24 port POE	-	16 No.
D.	Indoor Access Points	-	14 No.
E.	Outdoor Access Points	-	10 No.
F.	Wireless controller Licenses	-	24 No.
G.	SM 10G transceivers	-	60 No.
H.	40G Copper DAC cables 5Mtr	-	04 No.

With the above set of infrastructure – all the components should be tightly integrated and solution should support Network based Automation, Assurance and Security, centralized network fabric controller designing, provisioning and troubleshooting the network, applying



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policies centrally. The solution should support single centralized dashboard which will help NIT Jalandhar to manage its enterprise network efficiently. The solution should support to provide policy driven automation which reduces complexity and minimizes downtime. The solution should support to provide programmable overlays enabling easy to deploy network virtualization across wired and wireless campus network. The solution should also support software defined segmentations and policy enforcement based on user identity and groups. The solution should support to define users and device profiles that facilitate highly secure access and network segmentation based on its IT / business needs.

Bill of Material

S.No	Description	Qty.
1.	Distribution Switch with 24*10Gig SFP+ Ports and 4*40/100G Uplink Ports.	4
2.	Access switch with 48*10/100/1000BaseT PoE port and 8*10G SFP+ uplink ports	11
3.	Access switch with 24*10/100/1000BaseT PoE port and 8*10G SFP+ uplink ports	16
4.	10GBASE-LR SFP Module, Enterprise-Class	60
5.	40G DAC Cable 5m	4
6.	Indoor Access Point	14
7.	Outdoor Access Point	10
8.	Access Point WLC Licenses (14 Nos. Indoor + 10 Nos. Outdoor)	24



Pre-qualification Criteria for Bidders

Essential Pre-Qualification Criteria for System Integrator		
S. No.	DESCRIPTION	Remarks
1.	This Invitation for Bids is open to all the authorized System Integrator to quote in response to this NIT.	
2.	The bidder should submit the single proposal for supply, installation, integration, commissioning and management of the Institute campus LAN consisting of active network component.	
3.	The bidder should have minimum 5 years of experience for supply, installation, integration, commissioning and management of LAN Project.	
4.	The Indian/ MNC company participating in the tender must have the average Annual turnover of not less than 4 Crores in the last three years. As a proof of the same, Balance sheet of last three years be provided.	
5.	The bidder should have valid authorization certificate for this specific Tender from OEMs of active components of the LAN.	
6.	The Bidder should submit valid GST and PAN.	
7.	The bidder should be a company registered under the Companies Act, 1956 or a partnership firm registered under Indian Partnership Act 1932 or Limited Liability Partnership Act 2008 with registered office in India and in operation for at least 10 years as on 31.03.2018.	
8.	The Bidder should not be a blacklisted company by any Central/State Govt./ PSUs/Other Govt. Agency .	
9.	The bidder should have a project specific Manufacturer Authorization Form (MAF) from OEM being quoted, where OEM has to give undertaking of full support for guarantee and warrantee of the equipment including installation in case the bidder is not able to provide required services	
10.	The letter of authorization should be on the letterhead of the manufacturing concern (OEM) and should be signed by a person competent and having power of attorney to bind the manufacturer.	



Essential Criteria for OEMs of Active Components

S. No.	DESCRIPTION	Remarks
1.	The OEM for Active devices must be listed in Gartner Magic Quadrant (Leaders)/ Forrester wave (Leaders) in respective latest reports. (Listing in anyone of the two is compulsory for being eligible).	
2.	The OEM of the network product should have well established manufacturing plant/Research & Development Lab in India or abroad.	
3.	All active network devices (Switches, Wireless Access Points and Modules) quoted by the bidder should be from a single OEM only and it should be supported suitably by Single NMS and wireless in future.	
4.	The OEM of active network devices to be quoted by the bidder should have local Technical Assistance Centre (TAC) support in India through a toll free number and Returned Materials Authorization (RMA) depot in India.	
5.	The OEM of active network devices to be quoted by the bidder should be present in the country from at least past 7 years.	
6.	The OEM whose active components are being quoted by the bidder should not be acquired and should have posted profit in last 5 years till the last date of bid submission. This is to ensure dependable and continuous support for the next 7 years as per warranty requirements and lifecycle of the network.	
7.	All products being quoted should be available as on date with the OEM and should be publicly reference able.	



Specifications of the Port Switch and Access Points:-

Sr.No.	Description	Qty.
1.	Distribution Switch with 24*10Gig SFP+ Ports and 4*40/100G Uplink Ports.	4
2.	Access switch with 48*10/100/1000BaseT PoE port and 8*10G SFP+ uplink ports	11
3.	Access switch with 24*10/100/1000BaseT PoE port and 8*10G SFP+ uplink ports	16
4.	10GBASE-LR SFP Module, Enterprise-Class	60
5.	40G DAC Cable 5m	4
6.	Indoor Access Point	14
7.	Outdoor Access Point	10
8.	Access Point WLC Licenses (14 Nos. Indoor + 10 Nos. Outdoor)	24



A. Distribution Switch with 24*10G Ports

S.No	Required Minimum Specifications	Compliance (Yes / No)	
1.	Switch Architecture	The switch shall have capability to support Multi-rate 1G/10G/25G/40G/100G ports and should be enterprise class.	
		Distribution Switch with 24 X 1/10/25Gig SFP+ Ports, 4 X40/100 G uplink ports.	
		The switch should have dual redundant hot swappable AC/DC power supplies.	
		The Switch should support stacking / VSS / IRF / equivalent and should be able to build loop free L2 network with virtual switching.	
		The Switch should have Micro-USB, RJ-45 for console port & storage port.	
		The Switch should have at least 16GB SSD memory.	
		The Switch should have at least 8GB of DRAM.	
		The Switch should have at least 1 10/100/1000 dedicated out-of- band Management Port.	
		The Switch should have at least 3 fans and in case of failure of any one of those the other fans should automatically speed up. Fans should be hot swappable.	
		The switch should support low latency and low per port power consumption.	
2.	Switch Performance	The Switch should have at least 1.6 Tbps non-blocking switching capacity and 1Bpps Forwarding rate.	
		Support at least 80,000 MAC addresses.	
		The Switch should support at least 70000 IPv4 routes.	
		The Switch should support at least 4000 VLAN ID's.	
		The Switch should support at least 2k ACLs.	
		The switch shall have the Mean Time Between Failure of 80,000 hours.	
3.	Layer 3 Features	The Switch should have IP Static Routing IPv4/IPv6, RIP v1/v2, RIPng/ OSPF routed access, ECMP, PIM-SM, VRRP v2 & v3, MSTP, RSTP ready from Day 1.	
		The switch should have routing protocols such as BGPv4, IS-ISv4, MPLS, MPLS L2 & L3 VPN & Open flow/ equivalent API based configuration using NETCONF & YANG data modelling.	
		The Switch should also have - VRF, VXLAN, LISP, security group tags etc. for network segmentation from Day -1.	
		The Switch should support IP Multicast and PIM, PIM Sparse Mode & Dense Mode.	



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S.No	Required Minimum Specifications	Compliance (Yes / No)	
4.	Layer 2 Features	The switch should support 802.1d, 802.1s, 802.1w Spanning-Tree & its Enhancement for fast convergence.	
		The Switch should have 802.1Q VLAN encapsulation & 4000 VLANs per switch	
		The switch should support 802.3ad (LACP) to combine multiple network links for increasing throughput and providing redundancy.	
		The switch should support DHCP snooping to prevent malicious users from spoofing a DHCP server and sending out rough addresses.	
5.	Network Security Features	The switch should support Dynamic ARP inspection (DAI) or equivalent to ensure user integrity by preventing malicious users from exploiting the insecure nature of ARP.	
		The switch should support IP source guard or equivalent to prevent a malicious user from spoofing or taking over another user's IP address by creating a binding table between the client's IP and MAC address, port, and VLAN.	
		The switch should support Unicast Reverse Path Forwarding (RPF) feature to mitigate problems caused by the introduction of malformed or forged (spoofed) IP source addresses into a network by discarding IP packets that lack a verifiable IP source address.	
		The switch should support flexible & multiple authentication mechanism, including 802.1X, MAC authentication.	
		The switch should support MAC address notification to allow administrators to be notified of users added to or removed from the network.	
		Granular Rate Limiting function to guarantee bandwidth in increments as low as 8 kbps.	
6.	Management	CLI support to provide a common user interface and command set with all switches of the same vendor.	
		RMON I / RMON II standards.	
		SNMPv1, SNMPv2c, and SNMPv3.	
		Switch should support operating temp from 0 to 40 degree.	
		Switch/Switch OS should be EAL3/NDPP/Common Criteria Certified.	
		Switch should support EN 60950-1:2006, EN	



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S.No	Required Minimum Specifications	Compliance (Yes / No)
	55024:2010, EN 61000-3-2 2014, EN 61000-3-3 2013, EN 300 386 v1.6.1, IEC/EN 61000-4-11:2004 & ROHS.	
7.	OEM The OEM should be figuring in the Gartner Magic Quadrant (Leaders)/ InfoTech Research (Champions) / Forrester wave (Leaders) in respective latest reports. (Listing in any of the three is compulsory for being eligible) for wired and wireless Networking.	

B. Access Switch with 48*10/100/1000BaseT PoE Port and 8*10G SFP + Uplink Ports

S.No	Switch Specifications	Compliance (Yes / No)
1.	The Switch should have minimum 48 nos. 10/100/1000Base-T PoE ports with PoE budget of 430 Watts and have additional 8*10G SFP+ uplink ports (should support SX, LX, SR and LR) with dedicated out of band management and console port	
2.	Switch should have option for Internal redundant power supply	
3.	The Switch should support a minimum of 256 Gbps of Switching Capacity and 190 Mbps forwarding capacity at wire rate	
4.	Switch should have minimum 8GB RAM & 8GB Flash for efficient performance.	
5.	The switch should support virtual chassis technology up to 8 switches in a single stack	
6.	Should support IP unicast routing protocols static, RIPv1&v2 from day 1 with 4000 unicast routes	
7.	Should support minimum 4093 VLANs and 32000 mac address with support for Mac sec	
8.	The switch shall have the Mean Time Between Failure of 250000 hours	
9.	The switch must support 802.1X STP,RSTP,MSTP	
10.	The Switch should support Open flow v1.3 / automation / equivalent.	
11.	The support for OSPF can be activated on the switch at a later stage	
12.	The switch should be enterprise class.	
13.	Switch should have dedicated stacking ports in additional to above ports.	



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	The stacking bandwidth should be minimum 360Gbps.	
14.	The switch should have available PoE + power of min. 430W day 1 and should have capability to scale up to 1440W, (i.e. 30W on all 48 ports) using the additional power supply	

C. Access Switch with 24*10/100/1000BaseT PoE Port and 8*10G SFP+ Uplink Ports

S.No	Switch Specifications	Compliance (Yes / No)
1.	The Switch should have minimum 24 nos. 10/100/1000Base-T PoE ports with PoE budget of 430 Watts and have additional 8*10G SFP+ uplink ports (should support SX, LX, SR and LR) with dedicated out of band management and console port.	
2.	Switch should have option for Internal redundant power supply.	
3.	The Switch should support a minimum of 208 Gbps of Switching Capacity and 154 Mbps forwarding capacity at wire rate.	
4.	Switch should have minimum 8GB RAM & 8GB Flash for efficient performance.	
5.	The switch should support virtual chassis technology up to 8 switches in a single stack.	
6.	Should support IP unicast routing protocols static, RIPv1&v2 from day 1 with 4000 unicast routes.	
7.	Should support minimum 4093 VLANs and 32000 mac address with support for Mac sec.	
8.	The switch shall have the Mean Time Between Failure of 250000 hours	
9.	The switch must support 802.1X STP,RSTP,MSTP.	
10.	The Switch should support Open flow v1.3 /automation/equivalent.	
11.	The support for OSPF can be activated on the switch at a later stage.	
12.	The switch should be enterprise class.	
13.	Switch should have dedicated stacking ports in additional to above ports. The stacking bandwidth should be minimum 360Gbps.	
14.	The switch should have available PoE+ power of min. 430W day 1 and should have capability to scale up to 720W, (i.e. 30W on all 24 ports) using the additional power supply.	



D. Indoor Access Point

S.No	Specifications	Compliance (Yes / No)
1.	Access Points proposed must include radios for 2.4 GHz and 5 GHz with 802.11ac Wave 2.	
2.	An access point must include a standard OEM provided Mounting brackets for mounting on Ceiling or Roof Top etc..	
3.	Access Point shall support Console port that uses Standard Port (RJ-45) type connection.	
4.	Should have two RJ-45 auto-sensing 10/100/1000 Mbps LAN port .	
5.	Access Point should have USB port for future requirement.	
6.	Must have at least 3 dBi Antenna gain on each radios	
7.	Must support 4x4 MIMO for both 802.11ac and 802.11n client	
8.	Must provide dynamic dual 5 Ghz radio mode for high density requirement from day 1.	
9.	Must Support minimum aggregate data rate of 5 Gbps on dual 5ghz mode with 160 Mhz channel support and standard 256 QAM modulation.	
10.	Must support minimum of 22dbm of transmit power in both 2.4Ghz and 5Ghz radios and should follow the local regulatory Norms.	
11.	Must support AP enforced load-balance between 2.4Ghz and 5Ghz band.	
12.	Must incorporate radio resource management for power, channel and performance optimization.	
13.	Must have -97 dB or better Receiver Sensitivity.	
14.	Must support Proactive Key Caching and/or other methods for Fast Secure Roaming.	
15.	Must support Management Frame Protection.	
16.	Should support locally-significant certificates on the APs using a Public Key Infrastructure (PKI).	
17.	Access Points must support Hardware-based encrypted user data and management traffic between controller and Access point for better security.	
18.	Must support the ability to serve clients and monitor the RF environment	



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S.No	Specifications	Compliance (Yes / No)
	concurrently.	
19.	Same model AP that serves clients must be able to be dedicated to monitoring the RF environment.	
20.	Must be plenum-rated (UL2043).	
21.	Must support 16 WLANs per AP for SSID deployment flexibility.	
22.	Access Point Must continue serving clients when link to controller is down. It should also have option to authenticate user through Radius server directly from Access Point during link unavailability to controller.	
23.	Must support telnet and/or SSH login to APs directly for troubleshooting flexibility.	
24.	Must support Power over Ethernet, local power (DC Power), and power injectors.	
25.	802.11e and WMM	
26.	Must support Reliable Multicast to Unicast conversion to maintain video quality at AP level	
27.	Must support QoS and Video Call Admission Control capabilities.	
28.	Access Point should 802.11 DFS certified	
29.	The wireless APs should be compatible with the existing WLC and should be able to seamlessly integrate with the existing setup, necessary software / licenses to be considered by the bidder.	
30.	USB Console Cable	



E. Outdoor Access Point

Sr. No	Specifications	Compliance (Yes / No)
1.	Access Points proposed must include radios for both 2.4 GHz and 5 GHz.	
2.	AP should support dual band antennas.	
3.	AP should have 2.4 GHz 6dBi/5 GHz 8dBi Dual Band Omni Antenna from Day-1	
4.	Should have an option of adding external modules.	
5.	Must have -100 dB or better Receiver Sensitivity.	
6.	Must support 4X4 multiple-input multiple-output (MIMO) with three spatial streams	
7.	Must support data rates upto 1.3 Gbps on 5Ghz radio.	
8.	Must support 80 MHz wide channels in 5 GHz.	
9.	Must support upto 28 dBm or higher of transmit power	
10.	Access point should have multiple wired uplink interfaces including 10/100/1000BASE-T Ethernet autosensing (RJ-45) and a build-in Fiber SFP port	
11.	Wireless AP Should have custom chipset to detect and classify non-Wi-Fi wireless transmissions while simultaneously serving network traffic	
12.	Must incorporate radio resource management for power, channel, coverage hole detection and performance optimization	
13.	Access point shall support powering from AC, DC, UPoE.	
14.	Access point shall support pole, wall and Cable strand mounting options.	
15.	The equipment shall support up to 100 MPH sustained winds & 165 MPH wind gusts.	
16.	The Access point shall be IP67 and NEMA rated	
17.	The Access point shall support operating temperature of -40 to 65°C	
18.	The Access point shall support Storage temperature of -50 to 70°C	
19.	802.11e and WMM	



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Sr. No	Specifications	Compliance (Yes / No)
20.	WiFi Alliance Certification for WMM and WMM power save	
21.	Must support QoS and Video Call Admission Control capabilities.	
22.	Must support the ability to serve clients and monitor the RF environment concurrently.	
23.	Must support Spectrum analysis including @ 80 MHz	
24.	Must support 16 WLANs per AP for SSID deployment flexibility.	
25.	The wireless APs should be compatible with the existing WLC and should be able to seamlessly integrate with the existing setup, necessary software / licenses to be considered by the bidder.	
26.	USB Console Cable	



FORMAT FOR PERFORMANCE BOND/GUARANTEE

(Undertaking from the supplier on a Non Judicial Stamp Paper of requisite duly attested by Notary)

In consideration for "The Registrar, National Institute of Technology Jalandhar (hereinafter called NIT Jalandhar) having agreed to release the payment of net value as per terms and conditions of a concluded Order No. _____ dated _____ (hereinafter called 'the order') for supply of _____ (here in after called 'the 24 Port, 48 Port Switch) to us Messrs _____ (hereinafter called 'the supplier') on submission of a Performance Bond to the satisfaction of NIT Jalandhar for the due performance of the said order.

We, Messers _____ hereby submit the FDR/TDR No. _____

issued by _____ (Name of Bank) for _____ pledged in favour of Registrar, NIT Jalandhar as performance guarantee amount and hereby irrevocably, unconditionally and absolutely undertake against any loss or damage caused or suffered by NIT Jalandhar by reason of any failure of the supplier to perform or omission or negligence to perform any part of its obligations to the satisfaction of NIT Jalandhar in terms of the order.

We, the supplier, do hereby authorize Registrar, NIT Jalandhar to forfeit this Performance Guarantee amount / undertake to pay the amount due and payable under this guarantee without any demur merely on a demand from the NIT Jalandhar stating that the amount claimed is due by way of loss or damage caused to or would be caused to or suffered by the NIT Jalandhar by reason of any breach by us of any of the terms and conditions contained in the said order or by reason of our failure or omission or negligence to perform the said order or any part thereof. We, the Supplier, undertake to pay to NIT Jalandhar any amount so demanded by NIT Jalandhar, notwithstanding:

- a) Any dispute or difference between NIT Jalandhar and supplier or any other person or between the supplier or any person or any suit or proceeding pending before any court or tribunal or arbitrator relating thereto; or
- b) The invalidity, irregularity or unenforceability of the order; or
- c) Any other circumstances which might otherwise constitute discharge of this guarantee, including any act of omission or commission on the part of NIT Jalandhar to enforce the obligations by the supplier or any other person for any reason whatsoever.

We, the Supplier, further agree that the performance Bond/ Guarantee herein contained shall be continued one and remain in full force and effect during the period that would be taken for the performance of the said order and that it shall continue to be enforceable till all the dues of the NIT Jalandhar under or by virtue of the said order have been fully paid and its claims satisfied or discharged or till the office of the Registrar, NIT Jalandhar certifies that terms and conditions of the said order have been fully and promptly carried out by us and accordingly discharges this Performance Bond/ Guarantee.

We, the Supplier, further agree with NIT Jalandhar, that NIT Jalandhar shall have the fullest liberty without our consent and without affecting in any manner our obligations hereunder to vary any of the terms and conditions of the said order or to extend time of performance by the said supplier from time to time or to postpone for any time or from time to time and of the powers exercisable by the NIT Jalandhar against the said supplier and forbear or enforce any of the terms and conditions relating to the order and we shall not be relieved from our liability by reason of any such variation or extension being granted to us or for any forbearance, act or omission on the part of NIT Jalandhar or any indulgence by NIT Jalandhar to us or by any such matter or thing whatsoever which under the law relating to sureties would, but for this provision, have effect of so relieving us.

This Performance Bond/Guarantee will not be discharged due to the change in the constitution of the supplier. We, the Supplier, undertake not to revoke this Performance Bond / Guarantee except with the prior consent of NIT Jalandhar in writing.

The disputes relating to this Bank Performance Bond / Guarantee shall be resolved as per the terms and conditions of the order.



Annexure-‘D’

FORMAT FOR PERFORMANCE BOND (BANK GUARANTEE)

In consideration for the Registrar, National Institute of Technology Jalandhar, (*hereinafter called NIT Jalandhar*) having agreed to release the payment of net value as per terms and conditions of a concluded Order No. _____ dated _____ (*hereinafter called ‘the order’*) for supply of _____ (*hereinafter called ‘24 Port, 48 Port Switch’*) to Messrs _____ (*hereinafter called ‘the supplier’*) on submission of a Bank Guarantee to the satisfaction of NIT Jalandhar for the due performance of the said order.

We, _____ (*hereinafter called ‘the Bank’*) at the request of the supplier do, as a primary obliger and not merely as surety, hereby irrevocably, unconditionally and absolutely undertake against any loss or damage caused or suffered by NIT Jalandhar by reason of any failure of the supplier to perform or omission or negligence to perform any part of its obligations to the satisfaction of NIT Jalandhar in terms of the order.

We, the Bank do hereby undertake to pay the amount due and payable under this guarantee without any demur merely on a demand from NIT Jalandhar stating that the amount claimed is due by way of loss or damage caused to or would be caused to or suffered by NIT Jalandhar by reason of any breach by the said supplier of any of the terms and conditions contained in a said order or any part thereof. Any such demand made on the Bank shall be conclusive as regards the amount due and payable by the bank under this guarantee, which shall not be considered as satisfied by any intermediate payment or satisfaction of any part of or obligation hereunder. However, our liability under this guarantee shall be restricted to an amount not exceeding _____.

We, the Bank, undertake to pay to NIT Jalandhar any amount so demanded by NIT Jalandhar, notwithstanding a). Any dispute and difference between NIT Jalandhar and supplier or any other person or between the supplier or any person or any suit or proceeding pending before any court or tribunal or arbitrator relating thereto or

- a) The invalidity, irregularity or unenforceability of the order or
- b) Any other circumstances which might otherwise constitute discharge of this guarantee, including any act of omission or commission on the part of NIT Jalandhar to enforce the obligations by the supplier or any other person for any reason whatsoever.

We, the Bank, further agree that the guarantee herein contained shall continue and remain in full force and effect during the period that would be taken for the performance of the said order and that it shall continue to be enforceable till all the dues of NIT Jalandhar under or by virtue of the said order have been fully paid and its claims satisfied or discharged or till the office of the Registrar, NIT Jalandhar confirms that the terms and conditions of the said order have been fully and promptly carried out by the said supplier and accordingly discharge this guarantee.

We, the Bank, hereby agree and undertake that any claim which the bank may have against the supplier shall be subject to and subordinate to the prior payment and performance in full of all the obligations of the bank hereunder and the bank will not, without prior written consent of NIT Jalandhar, exercise any legal rights or remedies of any kind in respect of any such payment or performance so long as the obligations of the bank hereunder remain owing and outstanding, regardless of the insolvency, liquidation or bankruptcy of the supplier or otherwise. We, the Bank, will not counter claim or set off against its liabilities to NIT Jalandhar hereunder any sum outstanding to the credit of NIT Jalandhar with it.

We, the Bank, further agree with NIT Jalandhar, that NIT Jalandhar shall have the fullest liberty without our consent and without affecting in any manner our obligations hereunder to vary any of the terms and conditions of the said order or to extend time of performance by the said supplier from time to time or to postpone for any time or from time to time and of the powers exercisable by the NIT Jalandhar against the said supplier and forbear or enforce any of the terms and conditions relating to the order and we shall not be relieved from our liability by reason of any such variation or extension being granted to the said supplier or for any forbearance, act or omission on the part of NIT Jalandhar or any indulgence by NIT Jalandhar to the said supplier or by any such matter or thing whatsoever which under the law relating to sureties would, but for this provision, have effect of so relieving us.

This guarantee will not be discharged due to the change in constitution of the Bank or the supplier.

We, the Bank, lastly undertake not to revoke this Guarantee during its currency except with the prior consent of NIT Jalandhar in writing.

The disputes relating to this Bank Guarantee shall be resolved as per the terms and conditions of the order.



FORMAT FOR MANUFACTURER'S AUTHORISATION FORM

To,
The Registrar
Dr B. R Ambedkar National Institute of Technology
Jalandhar

Sub. : e-Tender Notice - _____ for Supply, Installation, Testing & Integration of "24 port, 48 Port Switch and Access Points for up-gradation of Existing Network"

Dear Sir,

We, _____, who are established and reputed manufacturers of _____, having factory/office at _____, hereby authorize M/s _____ [name & address of agents/distributors] to bid, negotiate and conclude the order with you for the above goods manufactured by us.

We shall remain responsible for the tender/Agreement negotiated by M/s _____, jointly and severally. M/s _____ are authorized to bid, negotiate and conclude the order in regard to this business against this specific tender as for all business in the entire territory of India.

We hereby extend our full guarantee and warranty as per the terms and conditions of tender for the goods offered for supply against this invitation for bid by the above supplier.

1. _____
2. _____

***Specify in detail manufacturer's responsibilities** the services to be rendered by M/s _____ are as under:

- i) _____
- ii) _____

[Specify the services to be rendered by the agent/distributor].

In case duties of the agent /distributor are changed or distributor/dealer is changed it shall be obligatory on us to automatically transfer all the duties and obligations to the new Agent failing which we will ipso-facto become liable for all acts of commission or omission on the part of new agent/dealer/distributor.

Yours faithfully,

[Name & Signature] For and on behalf of M/s. _____ [Name of manufacturer]

Note: This letter of authorization should be on the letter head of the manufacturing concern (Original Equipment Manufacturer) and should be signed by a person competent and having the power of attorney.



Annexure – 'F'

DECLARATION REGARDING BLACKLISTING / DEBARRING FOR TAKING PART IN TENDER

Self Attested

I / We _____ (Tenderer) hereby declare that the firm / agency namely M/s. _____ has not been blacklisted or debarred in the past by Union / State Government or organization from taking part in Government tenders in India.

Or

I / We _____ (Tenderer) hereby declare that the Firm / agency namely M/s _____ was blacklisted or debarred by Union / State Government or any Organization from taking part in Government tenders for a period of _____ years w.e.f. _____ to _____. The period is over on _____ and now the firm/company is entitled to take part in Government tenders.

In case the above information found false I / we are fully aware that the tender/ contract will be rejected / cancelled by Director, NIT Jalandhar, and EMD / SD shall be forfeited.

DEPONENT

Attested:

(Stamp of Company with authorized sign)

Name _____

Address _____



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Annexure-‘G’

e-Tender Notice - NITJ/PUR/CC/38/18/e-Tender No. 09/2018

Date of Opening:

The Director

Dr B R Ambedkar National Institute of Technology Jalandhar

I/We **hereby certify that I/We are** established firm of manufactures / authorized of M/s **with factories at** We hereby agree to supply the following items at the price and within the period of delivery indicated below:-

Sr. No.	Description	Specification for	Rate per unit	GST	Price FOR NITJ	Delivery period	Warranty 3 years	Additional 2 year Warranty

1. Please delete whichever is not applicable.
2. It is hereby certified that we have understood the instructions to tenderer and also terms and conditions attached to the tender.
3. This is certified that the rates quoted above are not more than the rates charged from any other Institution/Department/Organization. Further, it is certified if above quoted items are available on Government e-Marketing (GeM) the rates charged in this tender are not more than rates available on Government e-Marketing (GeM).
4. We hold this offer valid for acceptance for a period of 120 days.
5. **Earnest money for an amount of Rs. is enclosed.**

Date

Place

Signature & Seal of the Manufacturer/Tenderer



CERTIFICATE OF WARRANTY

- i) I/We certify that the warranty shall be for a period of _____ years for _____ and starting from the date of satisfactory installation, testing and handing over of the Switch and of the works conducted therewith covered under the supply order in working order. During the **warranty period, I/we shall provide free "after sale service" and the replacement of any part(s) of the Switch** or rectification of defects of work of the Switch will be free of cost. The replacement of the parts shall be arranged by us, at our own cost and responsibility. We undertake that the above warranty shall begin only from the date of satisfactory and faultless functioning of the Switch for 60 days at NIT Jalandhar premises. The benefit of change in dates of the warranty period shall be in the interest of the use/your organization.
- ii) During the warranty period, we shall provide at least _____ **preventive maintenance visits.**
- iii) Uptime Guarantee: During the warranty period, we will be responsible to maintain the Switch in good working conditions for a period 350 days (i.e. 95% uptime) in a block of 365 days.
- a) All complaints will be attended by us within 2 working days of receipt of the complaint in our office.
- b) In case there is delay of more than 2 days in attending to a complaint from our side then you can count the number of days in excess of the permissible response time in the downtime. The above said response time of 2 days for attending to a complaint by us will not be counted in the downtime.
- c) **Penalty:** We shall pay a penalty equivalent to **0.5 % of the FOR** value of the Switch for every week or part thereof delay in rectifying the defect.

Note: The right to accept the reason (s) for delay and consider reduction or waive off the penalty for the same shall be at the sole discretion of Director, NIT Jalandhar

- (iv) We certify that the Switch being quoted is the latest model and that spares for the Switch will be available for a period of at least _____ years and we also guarantee that we will keep the organization informed of any update of the Switch over a period of ___ years.
- (v) We guarantee that in case we fail to carry out the maintenance within the stipulated period, NIT Jalandhar reserves the right to get the maintenance work carried out at our risk, cost and responsibility after informing us. All the expenses including excess payment for repairs/maintenance shall be adjusted against the Performance Bank Guarantee. In case the expenses exceed the amount of Performance Bank Guarantee, the same shall be recoverable from us with/without interest in accordance with the circumstances.
- (vi) We shall try to repair the Switch at NIT Jalandhar premises itself. However, the Switch will be taken to our site on our own expenses in case it is not possible to repair the same at NIT Jalandhar. We shall take the entire responsibility for the safe custody and transportation of the Switch taken out for repairs till the Switch is rehabilitated to the NIT, Jalandhar after repair Any loss of Switch or its accessories under its charge on account of theft, fire or any other reasons shall be at our sole risk and responsibility which will be compensated to NIT Jalandhar for such losses at the FOR value for the damaged/lost Switch part, including accessories.
- (vii) We undertake to perform calibration after every major repair/breakdown/taking the Switch for repair out of NIT Jalandhar premises.
- (viii) In case of extended warranty, we undertake to carry out annual calibration of the Switch.
- (ix) We guarantee that we will supply spare parts if and when required on agreed basis for an agreed price. The agreed basis could be an agreed discount on the published catalogue price.
- (x) We guarantee to the effect that before going out of production of spare parts, we will give adequate advance notice to you so that you may undertake to procure the balance of the life time requirements of spare parts.
- (xi) We guarantee the entire unit against defects of manufacture, workmanship and poor quality of components.

Signature & Seal of the Manufacturer/Tenderer