



Tender reference No.CC/IITK/09/1150

Indian Institute of Technology KANPUR

KALYANPUR, KANPUR U.P

KANPUR -208016

Computer Centre

Tender No: CC/IITK/09/1150 Dated 06.03.2020

Bid Submission Last Date

TENDER DOCUMENT

FOR

Rate Contract for 3 Years of Active Network Equipment's

at

Computer Centre IIT Kanpur



Tender reference No.CC/IITK/09/1150

BID DOCUMENT

Online bids (Technical & Financial) from eligible bidders which are valid for a period of 120 days from the date of Technical Bid opening (i.e.) are invited for and on behalf of the Assistant Registrar, IIT, Kanpur for “**Rate Contract for 3 Year of Active Equipment LAN Network at Computer Centre IIT Kanpur**”.

Name of Work	Rate Contract for 3 Years of Active Network Equipment's at Computer Centre IIT Kanpur
Date of Publishing	06.03.2020 (17:00 hrs)
Clarification Start Date and Time	06.03.2020 (17:00 hrs)
Clarification End Date and Time	13.03.2020 (17:00 hrs)
Queries (if any)	No queries will be entertained after clarification end date and time
Bid Submission Start Date	06.03.2020 (17:00 hrs)
Last Date and time of uploading of Bids	26.03.2020 (17:00 hrs)
Last Date and time of submitting , EMD and other documents	Nil
Date and time of opening of Technical Bids	27.03.2020 (17:00 hrs)
Date and time of opening of Financial Bids	Will be separately notified for Technically shortlisted/qualified bidders

Interested parties may view and download the tender document containing the detailed terms & conditions from the website <http://eprocure.gov.in/eprocure/app>

(The bids have to be submitted online in electronic form on www.eprocure.gov.in only. No physical bids will be accepted.)



INSTRUCTION FOR ONLINE BID SUBMISSION

The bidders are required to submit soft copies of their bids electronically on the Central Public Procurement (CPP) Portal ie <http://eprocure.gov.in/eprocure/app> , using valid Digital Signature Certificates. The instructions given below are meant to assist the bidders in registering on the CPP Portal, prepare their bids in accordance with the requirements and submitting their bids online on the CPP Portal.

REGISTRATION

- (i) Bidders are required to enroll on the e-Procurement module of the Central Public Procurement Portal (URL:<https://eprocure.gov.in/eprocure/app>) by clicking on the link “Online Bidder Enrollment” option available on the home page. **Enrolment on the CPP Portal is free of charge.**
- (ii) During enrolment/ registration, the bidders should provide the correct/ true information including valid email-id & mobile no. All the correspondence shall be made directly with the contractors/ bidders through email-id provided.
- (iii) As part of the enrolment process, the bidders will be required to choose a unique username and assign a password for their accounts.
- (iv) For e-tendering possession of valid Digital Signature Certificate (Class II or Class III Certificates with signing key usage) is mandatory which can be obtained from SIFY /nCode/eMudra or any Certifying Authority recognized by CCA India on eToken/ SmartCard.
- (v) Upon enrolment on CPP Portal for e-tendering, the bidders shall register their valid Digital Signature Certificate with their profile.
- (vi) Only one valid DSC should be registered by a bidder. Bidders are responsible to ensure that they do not lend their DSCs to others which may lead to misuse and should ensure safety of the same.
- (vii) Bidders can then log into the site through the secured login by entering their userID/ password and the password of the DSC/ eToken.

SEARCHING FOR TENDER DOCUMENTS

- 1) There are various search options built in the CPP Portal to facilitate bidders to search active tenders by several parameters. These parameters could include Tender ID, organization name, location, date, value, etc. There is also an option of advanced search for tenders, wherein the bidders may combine a number of search parameters such as organization name, form of contract, location, date, other keywords, etc., to search for a tender published on the CPP Portal.
- 2) 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 ‘My Tenders’ folder. This would enable the CPP Portal to intimate the bidders through SMS / e-mail in case there is any corrigendum issued to the tender document.
- 3) 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.

PREPARATION OF BIDS:

- (i) For preparation of bid Bidders shall search the tender from published tender list available on site and download the complete tender document and should take into account corrigendum if any published before submitting their bids.
After selecting the tender document same shall be moved to the ‘My favourite’ folder of bidders account from where bidder can view all the details of the tender document.
- (ii) Bidder shall go through the tender document carefully to understand the documents required to be submitted as part of the bid. Bidders shall 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 need to be submitted. Any deviations from these may lead to rejection of the bid.
- (iii) Any pre-bid clarifications if required, then same may be obtained online through the tender site, or through the contact details given in the tender document.
- (iv) Bidders should get ready in advance the bid documents in the required format (PDF/xls/rar/dwf/jpg formats) to be submitted as indicated in the tender document/schedule. **Bid documents may be scanned with 100 dpi with black and white option which helps in reducing size of the scanned document.**



Tender reference No.CC/IITK/09/1150

- (v) Bidders can update well in advance, the documents such as experience certificates, annual report, PAN, EPF & other details etc., under “My Space/ Other Important Document” option, which can be submitted as per tender requirements. This will facilitate the bid submission process faster by reducing upload time of bids.
- (vi) Any information/ material/ document supplied along with this tender or after placement order should not be disclosed or copied.
- (vii) IITK may accept or reject any/ all tenders including the lowest tender without assigning any reasons whatsoever.
- (viii) Clarification: For any clarification: Please contact Head, Computer Centre, IIT Kanpur (headcc@iitk.ac.in)

SUBMISSION OF BIDS:

- (i) Interested authorized dealers/ distributors, who are willing to meet the stated requirement, are requested to kindly submit their competitive bids/ offers through e-procurement system of CPPP of Gol.
- (ii) Bidder should log into the site well in advance for bid submission so that he/ she upload the bid in time i.e. on or before the bid submission time. Bidder will be responsible for any delay.
- (iii) While submitting the bids online, the bidder shall read the terms & conditions (of CPP portal) and accepts the same in order to proceed further to submit their bid.
- (iv) Bidders shall select the payment option as offline to pay the EMD and enter details of the DD/BC/BG/others.
- (v) Bidder shall digitally sign and upload the required bid documents one by one as indicated in the tender document.
- (vi) Bidders shall note that the very act of using DSC for downloading the tender document and uploading their offers is deemed to be a confirmation that they have read all sections and pages of the tender document without any exception and have understood the complete tender document and are clear about the requirements of the tender document.
- (vii) Bid documents may be scanned with 100 dpi with black and white option which helps in reducing size of the scanned document. For the file size of less than 1 MB, the transaction uploading time will be very fast.
- (viii) **If price quotes are required in XLS format, utmost care shall be taken for uploading Schedule of quantities & Prices and any change/ modification of the price schedule shall render it unfit for bidding.**
Bidders shall download the Schedule of Quantities & Prices i.e. Schedule-A, in XLS format and save it without changing the name of the file. Bidder shall quote their rate in figures in the appropriate cells, thereafter save and upload the file in financial bid cover (Price bid) only.
The bidders are cautioned that uploading of financial bid elsewhere i.e. other than in cover 2 will result in rejection of the tender.
- (ix) Bidders shall submit their bids through online e-tendering system to the Tender Inviting Authority (TIA) well before the bid submission end date & time (as per Server System Clock). **The TIA will not be held responsible for any sort of delay or the difficulties faced during the submission of bids online by the bidders at the eleventh hour.**
- (x) After the bid submission (i.e. after Clicking “Freeze Bid Submission” in the portal), the bidders shall **take print out of system generated acknowledgement** number and keep it as a record of evidence for online submission of bid, which will also act as an entry pass to participate in the bid opening.
- (xi) Bidders should follow the server time being displayed on bidder’s dashboard at the top of the tender site, which shall be considered valid for all actions of requesting, bid submission, bid opening etc., in the e-tender system.
- (xii) All the documents being submitted by the bidders would be encrypted using PKI (Public Key Infrastructure) 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.
- (xiii) The successful bidder should submit Order Acceptance within 7 days from the date of order.
- (xiv) If an Indian agent is involved, the following documents must be enclosed:
 - a. Foreign principal’s proforma invoice indicating the Commission payable to the Indian
 - b. Agent and nature of after sales service to be rendered by the Indian Agent.
 - c. Copy of the agency agreement with the foreign principal and the precise relationship between them and their mutual interest in the business.



Tender reference No.CC/IITK/09/1150

- d. The enlistment of the Indian agent with Director General of Supplies & Disposals under the Compulsory Registration Scheme of Ministry of Finance.
- (xv) Conditional offers/ quotations shall not be accepted and are liable for rejection
- (xvi) A scanned copy of the certificate on company letterhead, stating that the bidder hasn't been blacklisted by any institution/ organization/ society/ company of the Central / State Government ministry/ department, or its public sector organizations during the last three years, with company stamp and signed by authorized signatory should also be uploaded.
- (xvii) The broad configuration / specification of the proposed purchase / work is given. Bidders are required to keep their proposal strictly as per the specification prescribed.

ASSISTANCE TO BIDDERS:

- (i) 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 contract person indicated in the tender. The contact number for the helpdesk is 0512-259-7796 between 10:30 hrs to 17:00 hrs.
- (ii) Any queries relating to the process of online bid submission or queries relating to CPP Portal in general may be directed to the 24X7 CPP Portal Helpdesk. The 24 x 7 Help Desk Number 0120-4200462, 0120-4001002 and 0120-4001005. The helpdesk email id is support-eproc@nic.in



Tender reference No.CC/IITK/09/1150

INSTRUCTION FOR e-PROCUREMENT

1. **PREPARATION AND SUBMISSION OF BIDS :**
 - a. The detailed tender documents may be downloaded from <http://eprocure.gov.in/eprocure/app> till the last date of submission of tender. The Tender may be submitted online through CPP Portal <http://eprocure.gov.in/eprocure/app>
 - b. The bidder should submit the bid online in two parts viz. Technical Bid and Financial Bid. Technical Bid should be upload online in cover 1 and Financial Bid in “.Xls” should be upload online in cover-2

2. **SUBMISSION OF THE BID :** All interested eligible bidders are requested to submit their bids online on CPP Portal: <http://eprocure.gov.in/eprocure/app> as per the criteria given in this document:
 - a. Technical Bid should be upload online in cover-1.
 - b. Financial Bid should be upload online in cover-2Both Technical and Financial Bid covers should be placed online on the CPP Portal (<http://eprocure.gov.in/eprocure/app>).

3. **TECHNICAL BID:** Signed and Scanned copies of the Technical bid documents as under must be submitted online on CPP Portal: <http://eprocure.gov.in/eprocure/app> .

List of Documents to be scanned and uploaded (Under Cover-1) within the period of bid submission:-

- i. scanned copy of Eligibility Criteria of OEM and Bidder as per Annexure-1
- ii. scanned copy of Compliance sheet as per Annexure-2.
- iii. scanned copy of Organization Declaration Sheet as per Annexure-3
- iv. OEM Authorisation Letter.
- v. Scanned copy of Technical supporting documents in support of all claims.

Please note that no indication of the rates/amounts be made in any of the documents submitted with the TC-BID.

4. **Financial Bid**
 - a. The currency of all quoted rates shall be Indian Rupees. All payment shall be made in Indian Rupees.
 - b. In preparing the financial bids, bidders are expected to take into account the requirements and conditions laid down in this Tender document. The financial bids should be uploaded online as per the specified “.Xls” format i.e. Price Biin Excel sheet attached as ‘.Xls’ with the tender and based on the scope of work, service conditions and other terms of the Tender document. It should include all costs associated with the Terms of Reference/Scope of Work of the assignment.
 - c. The Financial Proposal should be inclusive of all applicable taxes, duties, fees, levies, and other charges imposed under the applicable laws. The rates quoted in the Tender are inclusive of all applicable taxes, duties etc. **except service tax**. The service tax component shall be re-immersible by the department after receipt of paid challans etc. if applicable.

5. **Last Date for Submission of Tender:**
 - a. Online bids complete in all respects, must be submitted on or before the last date and time specified in the schedule of events.
 - b. The IIT, Kanpur may, at its own discretion, alter/extend the last date for submission of tenders.

6. **Bid Validity**
 - a. All the Bids must be valid for a period of 120 days from the last date of submission of the tender for



Tender reference No.CC/IITK/09/1150

execution of Contract. However, the quoted rates should be valid for the initial/ extended period of the Contract from the effective date of the Contract. No request will be considered for price revision during the original Contract period.

- b. A bid valid for a shorter period shall be declared as non-responsive.
- c. In exceptional circumstances, prior to expiry of the original time limit, the IIT may request the bidders to extend the period of validity for a specified additional period beyond the original validity of 120 days. The request and the bidders' responses shall be made in writing. The bidders, not agreeing for such extensions will be allowed to withdraw their bids without forfeiture of their Bid Security.

7. **Modification / Substitution/ Withdrawal of bids:**

- a. No Bid shall be modified, substituted or withdrawn by the Bidder after the Bid's due Date.
- b. Any alteration/ modification in the Bid or additional information supplied subsequent to the Bid's due Date, unless the same has been expressly sought for by the Authority, shall be disregarded.

8. **Rejection of the Bid:** The bid submitted shall become invalid and tender fee shall not be refunded if:-

- a. The bidder is found ineligible.
- b. The bidder does not upload all the documents as stipulated in the bid document.



Tender reference No.CC/IITK/09/1150

Tender Document
Department of Computer Centre
Indian Institute of Technology Kanpur
Kanpur (UP) 208016 India

Enquiry Date: 06/03/2020
Enquiry No. CC/IITK/09/1150

Online quotations are invited for Rate Contract for 3 Year of Active Equipment LAN Network at Computer Centre IIT Kanpur

A. The detailed specification of the switch is described below:

Bill of Material			
S No .	Part Number	Description	Estimated Qty*
Access Point			
1.	Access Point	Indoor Access Point 802.11ac Wave 2; 3x3:2SS; Int Ant; D Reg Domain with Mounting Bracket and Ceiling Clip.	1000 Nos
L3 Distribution Switch			
2.	Distribution Switch	Distribution Switch 24 Port of 10/100/1000 POE+ ports with additional SFP + port 4 nos of 10 Gig with Redundant Power Supply	30 Nos
L2 Access Switch 24 Port Access Switch			
3	Access Switch	Access Switch 24-port PoE+, With SFP 4 x 1G	300 Nos
L2 Access Switch 48 Port Access Switch			
4	Access Switch	Access Switch 48-port PoE+, With SFP 4 x 1G	100 Nos
Fiber Module			
5	Single Mode Fiber 1 G	Fiber Single Mode Module SPF 1000BASE-LX/LH	50 Nos
6	Single Mode Fiber 10 G Module	Fiber Single Mode Module SFP 10GBASE-LR SFP Module	50 Nos

*Estimated Qty will be purchased in the entire span of 3 years Rate Contract

B. Clarification:

For any clarification: Please contact DDIA, Computer Centre, IIT Kanpur (ddia@iitk.ac.in)

C. Final Decision Making Authority:

The decision of the Director, IIT Kanpur will be binding on all bidders.

D. Disclaimer:

1. Information disclosed under and in accordance with the tender document will not constitute as an offer, also the acceptance of responses to this tender cannot be considered as a binding contract.
2. Applicants are solely responsible for all expenses associated with responding to this tender.



Tender reference No.CC/IITK/09/1150

3. IITK reserves the right to annul the tender process at any time, without thereby incurring any liability to the affected bidders or specifying the grounds for the action.

E. Legal

1. If any dispute, difference, question of disagreement or matter, whatsoever, before or after completion or abandonment of work, hereafter arises between the parties, as to the meaning, operation or effect of the contract or out of or relating to the contract or breach thereof, the same shall be referred to a Sole Arbitrator to be appointed by the Director of the Institute at the time of dispute.
 - a. The venue of the arbitration shall be at Kanpur.
 - b. Subject to as aforesaid, the provisions of the Arbitration and Conciliation Act. 1996 and any statutory modifications or re-enactment thereof and rules made there-under and for the time being in force, shall apply to the arbitration proceedings under this clause.
2. The contract shall be governed by and construed according to the laws in force in India. The Parties shall hereby submit to the jurisdiction of the courts situated at Kanpur.

Terms and Conditions Governing the Contract

1. The rates are to be quoted by the bidders in Indian Rupees only and payment shall be made to successful bidders in Indian Rupees only. Any statutory applicable taxes such as applicable Tax, etc. should be mentioned separately in the Financial Bid. However, quote should be inclusive of all other levies, statutory taxes and charges such as Octroi, Packaging & Forwarding charges etc. and should be delivered at the premises. All prices shall be fixed and shall not be subject to escalation of any description. The rates must be quoted strictly as per the 'Financial Bid Format' provided.
2. The time of delivery including testing and handing over in satisfactory condition is the essence of the contract and the shipment should be effected as per the schedule. In the event of part supply, IITK shall withhold the entire payment until the whole of the supply as per the order is delivered. In case the delivery schedule is not stipulated as essential criteria, Contractor may indicate the period of delivery required for them.
3. If the completion of systems/ components is delayed for reasons of force majeure such as acts of God, Acts of Public enemy, acts of Government, fires, floods, epidemics, quarantine restrictions, illegal strikes and freight embargoes, the Contractor shall within 3 days from the date of such occurrence, give notice to IITK in writing of his claim for extension of delivery period. IITK on receipt of such notice may agree to extend the Contract delivery date as may be reasonable but without prejudice to other terms and conditions of the contract. Unless the extended delivery period is agreed by IITK in writing, contractor cannot claim the extension of delivery time as a matter of right. IITK shall have the right to either cancel/ extend the order validity/ levy LD as appropriate.
4. If the Contractor shall fail to deliver the systems/ components within the time specified in the Contract, IITK shall recover from the Contractor as liquidated damages a sum of 0.5% of the contract price of the undelivered systems /components for each week of delay (or) part thereof. The total liquidated damages shall not exceed 5% of the contract price of the unit or units so delayed. Systems/ components will be deemed to have been delivered only when all essential components parts are also delivered. If any essential components are not delivered in time, the entire system / components will be considered as delayed until such time the missing parts are delivered.



Tender reference No.CC/IITK/09/1150

5. In general, all supplies are to be delivered as per the schedule of the contract only. In exceptional circumstances, part supply of the items may be accepted upon the recommendation of end-user. However, payment will be effected as stipulated in order/ contract.
6. The Goods supplied under the Contract shall be fully insured against loss or damage incidental to manufacture or acquisition, transportation, storage and delivery.
7. If the contractor fails to deliver the stores or any instalment thereof within the period fixed for such delivery or at any time repudiates the contract before expiry of such period, IITK is entitled to cancel the contract and source purchases from third parties the stores not delivered at the risk and cost of the defaulting contractor.
8. The Contractor warrants that the Goods supplied under this Contract are new, unused, of the most recent or current models and those they incorporate all recent improvements in design and materials unless provided otherwise in the Contract. The Contractor further warrants that all Goods supplied under this Contract shall have no defect arising from design, materials or workmanship (except when the design and/ or material is required by IITK's Specifications) or from any act or omission of the Contractor, that may develop under normal use of the supplied Goods in the conditions prevailing in the country of final destination.
9. **Deadline for delivery is 30 days from the issue of P.O.. IITK does not make ANY ADVANCE PAYMENT.** As per standard terms, 90% payment will be made against Delivery of goods and 10% after successful acceptance.
10. The price shall include but not limited to:
 - a. Costs of goods / services covered in this contract.
 - b. Taxes and duties
 - c. Transportation and packing cost
 - d. Cost of Installation, testing, commissioning and handing over of goods

The Bidder shall indicate on the appropriate price schedule form, the unit prices and total bid prices of the goods he proposes to supply under the contract strictly as per price bid format of tender.
11. The Bidder shall have to submit a copy of GST Registration certificate along with quotation (if applicable) for claiming the above.
12. In respect of GST as per notification No.45/2017 central tax (Rate) dated 14.11.2017 and Notification No. 47/2017-Integrated Tax (Rate) dated 14.11.2017 and G.O.(MS) No.161 CT&RD dated 14.11.2017. The GST is payable by IITK at 5% only against the tariff rate. Necessary exemption certificate will be issued by IITK for claiming the benefit of exemption. In respect of Import, the custom duty at concessional rate of 5.5% is only payable by IITK under notification no.51/96 customs dated 23.07.1996 and 43/2017 customs dated 30.06.2017. High Sea Sale also acceptable by the IIT Kanpur the No other tax is payable.
13. In the event of any dispute, difference, interpretation or application relating to this agreement arises, the same shall be settled amicably by the parties. In case the dispute or differences could not be settled amicably, the same shall be referred for adjudication through Arbitration by an Arbitrator to be appointed by the Director, IITK. The Arbitration shall be concluded in accordance with the provisions of Arbitration & Conciliation Act, 1996 or any statutory modifications or re-enactment thereof and the rules made their under and for the time being in force shall apply to the arbitration proceedings. Venue of such arbitration shall be at Lucknow. The language of arbitration proceedings shall be English. The Arbitrator shall make a reasoned award (the "award"), which shall be final and binding on the parties. The cost of the arbitration shall be shared equally by the parties to the contract. However, expenses



Tender reference No.CC/IITK/09/1150

- incurred by each party in connection with the preparation, presentation etc., shall be borne by each party.
14. The bidder shall furnish, as a part of his bid, documents establishing the bidder's eligibility to bid and his qualification to perform the contract if his bid is accepted. The bidder must possess PAN No. and any other registration to claim the statutory levies.
 16. The bidder is qualified only when he is the original manufacturer or established dealer with original manufacturer's authorization letter to quote, sell and service the products offered as per the prescribed format in our web site along with agency agreement.
 17. In a 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 Principal / OEM, the same agent shall not submit a bid on behalf of another Principal / OEM in the same item / product. In case a bidder not doing business within India, he shall furnish the certificate to the effect that the bidder is or will be represented by an agent in India equipped and able to carry out the supply, maintenance, repair obligations etc. during the warranty and post warranty period or ensure a mechanism at place for carrying out the supply, maintenance, repair obligations etc. during the warranty and post warranty period. OEM also shall provide agency agreement and indicate agency commission payable to make remitting in INR.
 18. Institute has full rights to check the credentials of the OEM and the bidder by its own sources. The OEM will be responsible for the successful implementation and maintenance of the deployment, and has to validate and certify the solution.
 19. All the items quoted should support Limited Life Time Warranty.
 20. This contract may be renewed for next two years **after successful completion of 3 years contract** and **Institutes acceptance** with same terms and conditions.



Eligibility Criteria of Bidder:

S. No.	Description	Complied (Y/N)	Remarks
1.	The OEM of the equipment's quoted for should have a minimum of eight or more spare depots in India to support failure of equipment's and better resolution.		
2.	The OEM should support next business day delivery against defective spares in major locations in India. OEM should have 24x7x365 support for India with a direct TAC support in the country.		
3.	The OEM should have a registered office in India from last 15 years.		
4.	The Network Solution comprising of all switching/NMS/ Optics. etc components should be from same OEM.		
5.	OEM should be ISO 9001:2015 certified.		
6.	The bidder must be a reputed manufacturer (OEM) or his authorized System Integrator of the type of products offered. In case of System Integrator, a Letter of Authorization from OEM, specific to the tender should be enclosed. Signed Back to Back agreement is needed. The bids received without Letter of Authorization and Back-to-Back Agreement from OEM are liable to be rejected.		
7.	The bidder should have at-least 5 Years' experience in the field LAN Networking, in IIT's/ Central University, Central Government & PSU's Documentary proof in this regard should be submitted.		
8.	The bidder must enclose a copy of complication certificate / Purchase Order having successfully executed work of LAN Network. Bidder have at least one certificate of (One work) of Rs.6 Crore or (Two work) of Rs.4 Crore or (Three work) of Rs.2 Crore each in IIT's/ Central University , Central Government , Government & PSU's for last 5 Years.		
9.	For after sales services the agency shall be available at all times and communication by Tele/E-Mail/Fax to agency shall be acknowledged immediately on the same day.		
10.	Bidder should be ISO 9001:2015, 27001:2013 and 20000-1:2011 certified. For providing Solutions and Services for Network , Wireless , Router , Switches , Firewall, Cabling etc.		
11.	The Bidder shall provide the Registration number GST/Sales Tax / Service Tax /PAN /TIN - Registration number.		
12.	Bidder should have minimum 5 years presence in India. (Attach Company Registration Certificate)		
13.	Bidder should have minimum 1.5 Cr. net worth in last financial year 2018- 19 (Attach CA certificate).		
14.	Bidder should have Solvency Certificate of Rs. 1 Cr. (Attach Bank Certificate)		
15.	Bidder should have minimum Rs.10 Cr. Average Turnover for last 3 years 2016-17, 2017-18, and 2018-19. (Attach CA certificate and Balance sheet & P&L Account).		



Tender reference No.CC/IITK/09/1150

16.	OEM/ Bidder should agree that the dollar rate variation will only be paid if its more that Rs. 10/- from the quoted price (in dollars) of the network peripherals.		
-----	--	--	--

Note:

1. Please don't upload unnecessary documents or bulk documents as a single document.
2. Name each document with the same name which is asked, so that it can be easily trackable.
(For example – "CA Certificate" will be named as "CA Certificate.pdf")

(Signature of the Tenderer)
Name:

Seal of
the Company:

**COMPLIANCE SHEET****TECHNICAL COMPLIANCE**

1. Technical Compliance of Access Point		
Sr. No.	Specification	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.	
3	Access Point shall support Console port that uses Standard Port (RJ-45) type connection	
4	Should have one 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 3x3 MIMO for both 802.11ac and 802.11n client	
8	Must Support minimum data rate of 867 Mbps on 5ghz with 80 mhz channel.	
9	Must support minimum of 22dbm of transmit power in both 2.4Ghz and 5Ghz radios. And should follow the local regulatory Norms.	
10	Must support AP enforce load-balance between 2.4Ghz and 5Ghz band.	
11	Must incorporate radio resource management for power, channel and performance optimization	
12	Must have -97 dB or better Receiver Sensitivity.	
13	Must support Proactive Key Caching and/or other methods for Fast Secure Roaming.	
14	Must support Management Frame Protection.	
15	Should support locally-significant certificates on the APs using a Public Key Infrastructure (PKI).	
16	Access Points must support Hardware-based encrypted user data and management traffic between controller and Access point for better security.	
17	Must support the ability to serve clients and monitor the RF environment concurrently.	
18	Same model AP that serves clients must be able to be dedicated to monitoring the RF environment.	
19	Must be plenum-rated (UL2043).	
20	Must support 16 WLANs per AP for SSID deployment flexibility.	
21	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.	
22	Must support telnet and/or SSH login to APs directly for troubleshooting flexibility.	
23	Must support Power over Ethernet, local power(DC Power), and power	



	injectors.	
24	802.11e and WMM	
25	Must support Reliable Multicast to Unicast conversion to maintain video quality at AP level	
26	Must support QoS and Video Call Admission Control capabilities.	
27	Access Point should 802.11 DFS certified	
28	The quoted Access Points should be compatible with the existing CISCO controller (Model: 8540) ; else the bidder will have to supply the controller and perpetual licenses along with access points. (Quote Model and Make of the Controller and perpetual license).	

2. Technical Compliance of L3 Distribution Switch

Sr No	Specifications	Compliance Yes/No
1	Switch should be 1RU with minimum 24 no. of 10/100/1000 POE+ ports with additional 4 nos. of 10 Gig	
2	Switch should have minimum 320 Gbps of stacking bandwidth with dedicated stacking ports and cables with minimum 8 switches in a single stack from Day 1.	
3	Should support 445W POE Power	
4	Should have 8 GB RAM and 8GB Flash	
5	Switching system shall have minimum 208 Gbps of switching fabric and minimum 154 Mpps of forwarding rate.	
6	Switch should have hot swappable 1:1 redundant internal power supply.	
7	Switching system shall have minimum 32K MAC Addresses and 4K Vlans.	
8	Switch should support minimum 5K ACLs, 8K Multicast and 32K IPv4, 16K IPv6 Routes..	
9	Should support IEEE Standards of Ethernet: IEEE 802.1D, 802.1s, 802.1w, 802.1x, 802.3ad, 802.1ae, 802.3x, 802.1p, 802.1Q, 802.3, 802.3u, 802.3ab, 802.3z.	
10	Switch have MACsec 256-bit encryption algorithm	
11	Should have static routing, OSPF, OSPFv3, BGP, VRRP, VRF (Virtual routing and forwarding), IGMP v1/v2/v3, PIM and multicast routing.	
12	Shall have 802.1p class of service, marking, classification, policing and shaping. Should support strict priority queuing.	
13	Switch should support management features like SSHv2, SNMPv2c, SNMPv3, IGMP, Netconf/YANG or equivalent	
14	Switch should support port security, DHCP snooping, Spanning tree root guard, First Hop Security and support 128 or more STP instances	
15	IPv6 support in hardware, providing wire rate forwarding for IPv6 network	
16	Should support 802.1x authentication and accounting, IPv4 and IPv6 ACLs and Dynamic VLAN assignment.	
17	Eight egress queues per port for different types.	



18	Switch shall support application visibility and traffic monitoring with minimum 60 K sflow/jflow/netFlow entries.	
19	Switch shall conform to UL 60950, IEC 60950, CSA 60950, EN 60950 Standards and ROHS5	
20	Shall support Single Operating System binary image for all switch models proposed as part of the design.	

3. Technical Compliance of L2 Access Switch 24 & 48 Ports		
Sr No	Specifications	Compliance Yes/No
Performance Features		
1	The switch should support Following switching capacity/Forwarding rate. For 48 port with 1G uplinks 100G/150 Mpps For 24 port with 1G uplinks 56Gbps/ 83 Mpps	
2	Switch should have 2 GB RAM and 4 GB Flash.	
3	Shall have minimum 16K MAC Addresses and 1024 active Vlans.	
4	Switch should have dedicated slot for modular stacking, in addition to asked uplink ports. Should support for minimum 48 Gbps of stacking throughput with 8 switch in single stack.	
5	Should support minimum 11K IPv4 routes or more	
6	The switch should support Jumbo frames of 9216 bytes	
7	Should support redundant power supply	
General Features		
1	Proposed switch should be enterprise grade switch with x86 based CPU architecture	
2	The proposed switch should support native Full POE+ on all ports and required Power supplies for the same should be already populated.	
3	Layer 2, Routed Access (RIP, EIGRP Stub, OSPF - 1000 routes), PBR, PIM Stub Multicast (1000 routes), PVLAN, QoS, FHS, 802.1X, MACsec-128, CoPP, SXP.	
4	The proposed switch should be software defined networking capable and be able to at least integrate easily with the SDN controller solution preferably from the same OEM.	
5	The Switch stack should be based on Distributed forwarding Architecture, where in each stack member forwards its own information on network.	
6	Switch should have unique secure identity so that it's authenticity and origin can be confirmed with OEM. Switch BIOS, software image should be cryptographically signed to ensure integrity and switch should not boot with modified software regardless of user's privilege level.	
7	Switch shall support application visibility and traffic monitoring with minimum 16 K netFlow/sflow/jflow entries.	
8	Switch should support both front or back beacon LEDs for easy identification of the switch being accessed.	
9	Switches should have hardware support to connect a Bluetooth dongle to your switch, enabling you to use this wireless interface as an IP management port interface.	



High availability & Resiliency		
1	Switch should support redundant field replicable platinum rated power supplies.	
2	Switch should support redundant fans.	
3	Switch should support cross-stack ether channel.	
4	Switch should be able to maintain the PoE+ powers on an endpoint during a switch reload. This is important for critical endpoints, so that there is no disruption during a switch reboot.	
5	Switch should support embedded event manager scripts	
6	After a reboot when power is restored to a switch, switch should start delivering power to endpoints without waiting for the operating system to fully load.	
L2 Features		
1	The switch should support Automatic Negotiation of Trunking Protocol, to help minimize the configuration & errors	
2	The switch should support IEEE 802.1Q VLAN encapsulation	
3	The switch should support Spanning-tree PortFast and PortFast guard for fast convergence and support 128 or more STP instances	
4	The switch should support UplinkFast & BackboneFast technologies to help ensure quick failover recovery, enhancing overall network stability and reliability	
5	The switch should support Spanning-tree root guard to prevent other edge swiches becoming the root bridge.	
6	The switch should support Voice VLAN to simplify IP telephony installations by keeping voice traffic on a separate VLAN	
7	The switch should support Auto-negotiation on all ports to automatically selects half- or full-duplex transmission mode to optimize bandwidth	
8	The switch should support Automatic media-dependent interface crossover (MDIX) to automatically adjusts transmit and receive pairs if an incorrect cable type (crossover or straight-through) is installed.	
9	The switch should support Unidirectional Link Detection Protocol (UDLD) and Aggressive UDLD to allow for unidirectional links caused by incorrect fiber-optic wiring or port faults to be detected and disabled on fiber-optic interfaces.	
10	The switch should support IGMP v1, v2 Snooping	
11	Switch should support IPv4 and IPv6The Switch should be able to discover (on both IPv4 & IPv6 Network) the neighboring device giving the details about the platform, IP Address, Link connected through etc, thus helping in troubleshooting connectivity problems.	
Network security features		
1	The switch should support IEEE 802.1x providing user authentication, authorization and CoA.	



2	The switch should support SSHv2 and SNMPv3 to provide network security by encrypting administrator traffic during Telnet and SNMP sessions.	
3	The switch should support TACACS+ and RADIUS authentication enable centralized control of the switch and restrict unauthorized users from altering the configuration.	
4	The switch should support MAC address notification to allow administrators to be notified of users added to or removed from the network.	
5	The switch should support MACSec-128	

Quality of Service

1	Switch should support 802.1p Class of Service (CoS) and Differentiated Services Code Point (DSCP) field classification, Shaped Round Robin (SRR) scheduling, Committed Information Rate (CIR), and eight egress queues per port.	
---	--	--

Layer-3 Features should be supported as and when required (even if license upgrade is required)

1	The Switch should support routing protocols such OSPF, BSR, IS-ISv4, LISP, VXLAN, VRF.	
2	The Switch should support IPv6 Routing capable protocols such as OSPFv3 in hardware.	
3	The Switch should support IP Multicast and PIM, PIM Sparse Mode, & Source-Specific Multicast for Wired and Wireless Clients.	
4	The Switch should support basic IP Unicast routing protocols (static, RIPv1 & RIPv2).	
5	The Switch should support IPv6 & IPv4 Policy Based Routing (PBR)	
6	The Switch should support Inter-VLAN routing.	
7	The Switch should support VRRP for IPv4 & IPv6.	
8	The Switch should support VRRPv3.	
9	The Switch should support uRPF for IPv4 and IPv6.	
10	Shall support Single Operating System binary image for all switch models proposed as part of the design.	

4. Technical Compliance of Fiber Module

Sr No	Specifications	Compliance Yes/No
1	Single Mode Fiber 1 G	
2	Fiber Single Mode Module SPF 1000BASE-LX/LH SFP transceiver module, SMF, 1310nm	

5. Technical Compliance of Fiber Module

Sr No	Specifications	Compliance Yes/No
1	Single Mode Fiber 10 G Module	



2	Fiber Single Mode Module SFP 10GBASE-LR SFP	
---	---	--

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

Signature of Bidder

Name	_____
Designation	_____
Organization	_____
Name	_____
Contact No.	_____



**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 IIT Kanpur.

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 authorized dealers/ distributors	
1 Phone	
2 Fax	
3 E-mail	
4 Contact Person Name	
5 Mobile Number	

(Signature of the Tenderer)

Name:

**Seal of the
Company**



Tender reference No.CC/IITK/09/1150

Appendix

TENDER ACCEPTANCE LETTER
(To be given on Company Letter Head)

Date:

To,

Sub: Acceptance of Terms & Conditions of Tender.

Tender Reference No: _____

Name of Tender / Work: -

Dear Sir,

1. I / We have downloaded / obtained the tender document(s) for the above mentioned 'Tender/Work' from the web site(s) namely:

as per your advertisement, given in the above mentioned website(s).

2. I / We hereby certify that I / we have read the entire terms and conditions of the tender documents from Page No. _____ to _____ (including all documents like annexure(s), schedule(s), etc .), which form part of the contract agreement and I / we shall abide hereby by the terms / conditions / clauses contained therein.

3. The corrigendum(s) issued from time to time by your department/ organisation too have also been taken into consideration, while submitting this acceptance letter.

4. I / We hereby unconditionally accept the tender conditions of above mentioned tender document(s) / corrigendum(s) in its totality / entirety.

5. I / We do hereby declare that our Firm has not been blacklisted/ debarred/ terminated/ banned by any Govt. Department/Public sector undertaking.

6. I / We certify that all information furnished by our Firm is true & correct and in the event that the information is found to be incorrect/untrue or found violated, then your department/ organisation shall without giving any notice or reason therefore or summarily reject the bid or terminate the contract, without prejudice to any other rights or remedy including the forfeiture of the full said earnest money deposit absolutely.

Yours Faithfully,
(Signature of the Bidder, with Official Seal)