



**NATIONAL INSTITUTE OF TECHNOLOGY
RAIPUR – 492 010, CHHATTISGARH**

**Open (Advertised) Tender for Repair and Replacement of Networking items and
Support Infrastructure at NIT Raipur**

Department: Central Computer Center

Enquiry No: NITRR/CCC/OT/2022/1494

Date: 20/10/2022

Important Dates

To

Event	Date	Time
Last Date of submission of quotation	12/11/2022	Upto 18:00 Hrs
Technical bid Opening date	14/11/2022	At 16:00 Hrs
Price (financial) bid Opening	To be Informed to technically successful bidders by e-mail and telephone.	

Dear Sir

We intend to purchase the commodities & services specified in this document and invite quotations in accordance with the terms and conditions detailed in the bid document. If you are interested, kindly submit your offer with prices and complete terms within the time mentioned above through our e-tender portal www.tenderwizard.com/NITR. **Tender will be accepted online only & no other mode will be accepted.**

Registrar

National Institute of Technology, Raipur

Enclosed:

- (1) Bid Document - Instructions to bidders - containing detailed terms and conditions.
- (2) Bidder's Eligibility Criteria - Annexure 1
- (3) Acceptance of tender terms & conditions-Annexure 2
- (4) List of Goods and/or Services – Annexure 3
- (5) Scope of Work with Detailed Functional & Technical Specifications of Equipment– Annexure 4
- (6) Price Schedule for goods/ services being offered from India – Annexure 5
- (7) Deviation statement form - Annexure 6
- (8) Bidder information & check list – Annexure 7

BID DOCUMENT**INSTRUCTIONS TO BIDDERS**

Please go through the enclosed "bid document" carefully for other bidding instructions.

1. **IMPORTANT NOTE:** Being a Two-Part Tender (techno-commercial and price bid), fax quotations will not be accepted. Please ensure your offers are received on or before tender due date and time. Bidders / Tenderers are requested to download the tender documents from our website (www.nitr.ac.in) & e-tendering portal i.e. www.tenderwizard.com/NITR and submit tender fee of amount 1180/- (inclusive of GST) through online mode in our e-tendering portal i.e. www.tenderwizard.com/NITR. **Kindly note that if any bidder wants to quote for more than one item in the tender then he has to pay tender fee only once at first and for later he will be exempted to pay tender fee for another items (have to select exempted option on payment page). If any vendor paid more than one tender fee in case of multiple items then the excess payment will not be reversed, so please be careful while submitting the bid. Please note that in this tender the bidder has to quote for all the items and/or services provided in annexure 3.**
 - **Quotations received without tender fee will not be considered.**
 - No request for extension of the due tender date will be considered.
 - In the event any date indicated above is declared as holiday, the next working day at Institute shall be considered as the due date for receiving & opening of tenders.
 - The bids shall be opened on date and time as mentioned above. The bidders may send their authorized representatives to attend the bid opening, if they so desire.
 - Bids received after the deadline of receipt indicated above, shall not be taken in to consideration.

(a) In the tender, either the Indian agent on behalf of the Principal/OEM or Principal/OEM itself can bid but both cannot bid simultaneously for the same item/product in the same tender. In the event of simultaneous bidding by both Principal/OEM and Indian agent; the bid submitted by the Indian agent will not be considered.

(b) If an agent submits bid on behalf of the Principal/OEM, the same agent shall not submit a bid on behalf of another Principal/OEM in the same tender for the same item/product. In the event, an agent submits the bids on behalf of more than one Principal/OEM for the same item in same tender, then all such bids will not be considered.
2. The bid should remain valid for a period of **180 days** from the date of opening. In case your offer has a different validity period that should be clearly mentioned in the quotation. Validity period may also be extended without change in bid prices, if required on mutually agreed basis only.
3. **Submission of bids: Bidders have to submit their bid through E-tendering mode only at website www.tenderwizard.com/NITR.**

4. Financial Bid (Microsoft Excel File) is to be downloaded from website www.tenderwizard.com/NITR and then is to be filled, saved and uploaded (through digital signature) on the same website and not to be submitted in hard copy at all.
5. The Financial Bid (after filling the rates) should neither be scanned & uploaded, nor, the hard copy of the same should be submitted to NIT Raipur office
6. **The complete Tender document can be viewed and downloaded only from the website (www.tenderwizard.com/NITR) & www.nitr.ac.in during the tender sale period. The intending bidders should submit the tender documents sale price & tender processing fee, through e-payment, at the time of making online request.**
7. Complete tender papers, duly accompanied with receipts of e-payment of tender cost, EMD shall be received online as per date and time mentioned. Tender shall be opened through E-tendering systems, in the presence of bidders or their authorized representatives.
8. Complete tender documents must be submitted as per schedule **through E-Tendering mode only at website www.tenderwizard.com/NITR.**
9. Tenderers are advised to complete all submission related work well before Time and Date for submission of tender online. Any request for modification in the time/date of submission of tender due to tenderer's failure to submit his offer, will not be accepted.
10. **To participate in the E-tender, it is mandatory for the bidders to have user ID & password, which has to be obtained by submitting an annual registration charges of Rs. 2000/- + GST @ 18% to ITI, through e-payment. Also it is mandatory for all bidders to have class 3 digital signature certificates from any of the CCA (Controller of Certifying Authority, India) or if any support required on DSC, Please contact Helpdesk No. 011-49424365.**
11. The bid along with necessary documents should be uploaded only on the www.tenderwizard.com/NITR portal as per guidelines mentioned in the portal. Tenders have to be submitted only online at <https://www.tenderwizard.com/NITR>. All documents in support of eligibility criteria and technical compliance, etc. are also to be scanned and uploaded along with the tender documents. Tender sent by any other mode will not be accepted.
12. **PRE-BID SITE SURVEY:**
The pre-bid site survey is mandatory. If the firm does not conduct the pre-bid site survey, then its bid shall not be considered. Pre-bid site survey is to be carried out on the 7th day or immediate next working day (if the 7th day happens to be a holiday) from the date of this advertisement (which is considered as 1st day).
13. **PRE-BID QUERIES:**
If a bidder has any technical queries then email can be sent to ccnetproj@nitr.ac.in. In case of any commercial queries, email can be sent to storenpurchase@nitr.ac.in, asstreg.str@nitr.ac.in. No queries will be entertained after the 15th day from the date of this advertisement (which is considered as 1st day).
14. **Amendment of Bidding Documents**
 - o Corrigendum and/or Addendum, if any, for the tender, shall form part of the Tender Document. All Corrigendum and/or Addendum will be posted on NIT Raipur website (www.nitr.ac.in) & www.tenderwizard.com/NITR portal. Bidders/Tenderers are

requested to visit NIT Raipur website regularly and note the corrigendum and/or addendum and/or other amendments to the tender without fail and submit their offer accordingly. NIT Raipur will not be responsible for ignorance of an issued corrigendum and/or addendum and/or amendment.

- o At any time prior to the deadline for submission of bids, the Institute may, for any reason, whether at its own initiative or in response to a clarification requested by a prospective Bidder/Tenderer, modify the bidding documents by amendment. The same would also be posted on the website of the Institute and all prospective bidders/tenderers are expected to surf the website before submitting their bids to take cognizance of the amendments. Bidders/Tenderers who have submitted their bids before publishing the amendment may revise their bid incorporating the amendments before the last date of tender.
 - o In order to allow prospective Bidder/Tenderers reasonable time in which to take the amendment into account in preparing their bids, the Institute, at its discretion, may extend the deadline for the submission of bids and post the revised date on the website of the Institute.
15. **Custom duty:** NIT Raipur has registration in Department of Scientific & Industrial Research (DSIR). However, the same is not applicable in this project.

16. Bid Security / Earnest Money (EMD)

The Bidder/Tenderer shall furnish, as part of its bid, a bid security. **The EMD/Bid security should be submitted online only through e-tendering portal i.e. www.tenderwizard.com/NITR.** The EMD amount to be submitted will be INR 60,000/- or the bidder needs to submit a valid MSME certificate or an undertaking on affidavit.

In the case of foreign bidders/tenderers, the bid security shall be submitted either by the principal or by the Indian agent and in the case of indigenous bidders/tenderers, the bid security shall be submitted by the manufacturer or their specifically authorized Dealer/Bidder/Tenderer.

- The bid security shall be in Indian Rupees & should be paid only through e-payment in tenderwizard portal i.e. www.tenderwizard.com/NITR.
- The bid security should be submitted in its original form. Copies shall not be accepted.
- Any bid without EMD or bid not secured in accordance with above will be rejected by the Institute as non-responsive.
- The bid security of unsuccessful Bidder/Tenderer will be discharged/returned as promptly as possible but not later than 30 days after the expiration of the period of bid validity or placement of order whichever is later.
- The successful Bidder/Tenderer's bid security will be released within one month of submission of PBG.
- **The firms registered with DGS&D & NSIC, MSME if any, are exempted from payment of bid security provided such registration includes the goods and services they are offering.**
- **The firm must ensure their eligibility for exemption from submission of EMD & Tender Fee, in case of submission of EMD & Tender Fee Exemption Certificate i.e.,**

NSIC, MSME etc. If the exemption certificate is not found suitable for exemption then the bid will not be considered in any case.

- In place of a bid security or EMD, the bidder can sign a bid securing declaration accepting that if they withdraw or modify their bids during the period of validity, or if they are awarded the contract and they fail to sign the contract, or to submit a performance security before the deadline defined in the request for bids document, they will be suspended for two years from being eligible to submit bids for contracts with the Institute.
- **The bid security may be forfeited** if a Bidder/Tenderer withdraws or amends or impairs or derogates its bid during the period of bid validity specified by the Bidder/Tenderer on the Bid Form.

17. Sealing and Marking of Bids:

In a two-bid system All Bidders/Tenderers are requested to follow carefully the following instructions before preparing their offer.

Part I: Technical & Commercial Bid

Part - (a) Technical

- i. This part should contain detailed specifications of the items quoted by you along with technical literature, datasheets, manuals, guides, brochures, leaflets, etc.
- ii. A compliance statement showing the compliance of the item quoted by you with that of the item tendered by us should be prepared and enclosed to this.
- iii. Any other information called for in the tender related to technical and commercial specifications can also come in this part.
- iv. **Prices should not be implicitly or explicitly indicated in the techno-commercial part.**

Part - (b) Commercial terms: (Without Price)

- i. The commercial terms applicable for the items quoted by you should be indicated in this part.
- ii. If any compliance statement is called for the commercial terms/contractual terms and conditions, the same is to be attached in this part.
- iii. ***Prices should NOT be indicated in this part. However, a copy of the price bid (without prices) must be enclosed in this part to enable to understand whether all the items required to be quoted by you have been quoted in the price bid.***
- iv. The Commercial terms such as delivery terms, delivery period, payment terms, warranty, validity of the offer, installation & commissioning, duties and taxes etc., shall come into this.
- v. The required EMD should be enclosed.
- vi. The Tenderer / Bidder need to submit the following certificates along with the Tender Documents to confirm their eligibility in this part :
 - Proof of establishment of firms/shop/business/Goods & Service Tax registration in REG-06 Format certificate should be enclosed.
 - Proof of registration with any other central government organization (if applicable)
 - Photocopies of purchase orders received from any central govt. organization to the firm if the same is applicable and if it is required.
 - The bidder should enclosed proof of turnover by way of Audited Balance Sheet/Auditor's certificate if the same is applicable and if it is required.
 - The bidder should enclosed Photocopy of PAN card issued in the name of the bidder's firm.
 - All the supporting documents as required in Annexure – 1 under Bidder's Eligibility Criteria.

Note:

- Technical Specifications and terms & conditions as above should be very clearly reflected item-wise with reference to the items called for in the tender.
- Please note that the PRICE SHOULD NOT BE indicated in this part.
- **The bidders must have to upload acceptance of tender terms & conditions duly sealed & signed in e-tendering portal (As per Annexure-2).**
- **The bidders must have to upload compliance sheets in the format mentioned under Scope of Work with Detailed Technical Specifications of Items (As per Annexure-4)**

Part II: Price Bid

(Format in Annexure – 5)

The prices applicable for the items, item-wise in response to the tender shall come into this part in the prescribed format only. ***Bid will be rejected if rates are not quoted in the prescribed format.***

- i. Tenderer shall indicate very clearly item-wise prices with reference to their technical offer.
18. The bidders should quote their offer / rates in clear terms without ambiguity.
19. In case of any discrepancy between the rates in figures and that in words, the rate in words will be accepted as correct.
20. Each bidder shall submit only one bid. A bidder who submits more than one bid, shall be disqualified and considered non-responsive.

21. Bid Prices

- (i) The Bidder / Tenderer shall indicate **unit prices in the prescribed format only**.
- (ii) Prices indicated on the price-schedule form shall be entered separately in the following manner:

(a) For Goods being offered from India in INR

- i. The price of the goods / services quoted should be FOR NIT RAIPUR inclusive of all taxes (GST, Custom etc), charges for inland transportation, insurance and other local services required for delivering the goods at the desired destination as specified in the price schedule form, installation, commissioning, training charges etc, if any. **(Annexure 5)**
22. Conditional discount, if any, offered by the bidder shall not be considered at the time of evaluation.

23. Responsiveness of Bids

- (i) Prior to the detailed evaluation, the Institute will determine the substantial responsiveness of each bid to the bidding documents. For purposes of this clause, a substantive responsive bid is one, which conforms to all terms and condition of the bidding documents without material deviations, reservations or omissions. A material deviation, reservation or omission is one that:
 - (a) affects in any substantial way the scope, quality, or performance of the Goods and Related Services specified in the Contract; or
 - (b) limits in any substantial way, inconsistent with the Bidding Documents, the Institute's rights or the Bidder / Tenderer's obligations under the Contract; or

- (c) if rectified, would unfairly affect the competitive position of other bidders/tenderers presenting substantially responsive bids.
- (ii) The Institutes' determination of a bid's responsiveness is to be based on the contents of the bid itself without recourse to extrinsic evidence.
- (iii) If a bid is not substantially responsive, it will be rejected by the Institute and will not subsequently be made responsive by the Bidder/Tenderer by correction of the material deviation, reservation or omission.

24. Evaluation and comparison of bids

- (i) The Purchaser shall evaluate each bid that has been determined, up to this stage of the evaluation, to be substantially responsive.
- (ii) To evaluate a Bid, the Purchaser shall only use all the factors, methodologies and criteria defined below. No other criteria or methodology shall be permitted.
- (iii) The bids shall be evaluated on the following basis which shall be arrived as under:

For goods being offered from India.

Goods and/or services price shall be calculated FOR NIT Raipur. The lowest bid (i.e., the L1 bid) will be decided by the price of the goods and/or services quoted FOR NIT RAIPUR inclusive of all taxes (GST & Custom Duty, etc), charges for inland transportation, installation, commissioning, training charges, insurance and other local services required if any for delivering the goods at the desired destination as specified in the price schedule / price bid format.

Note: Bidders are required to quote all-inclusive unit prices of the goods and/or services which shall include the packing, forwarding, freight, transportation, insurance charges, etc. in accordance with the price bid format / template. Government taxes need to be mentioned separately as mentioned in the price bid format / template.

- 25. The Institute reserves the right to conduct pre-dispatch inspection of goods and the vendor must facilitate it at NIT Raipur's cost for pre-dispatch inspection.
- 26. **Warranty:** The warranty for replaced active devices should be 1 year from the date of supply.
- 27. **Terms of Payment:** 100% payment on completion of supply and/or service. If supply or service will be done in different consignment than the payment will be done accordingly with the recommendation of the department.

Note:

- 1. The nomenclature used for the item description in the invoices(s), and the delivery challan etc. should be identical to that used in the contract.
- 2. The above documents should be received by the Purchaser before arrival of the Goods and, if not received, the Supplier will be responsible for any consequent expenses.
- 28. **Performance Security:** The successful bidder has to furnish "Performance Security of 5% of the ordered value in Indian Rupee", in the form of Account Payee Demand Draft, / Fixed deposit and/or Payment withheld and / or online payment and/or unconditional Bank guarantee en-

cashable on demand from the Director, NIT, Raipur, from a nationalized Bank with validity period of sixty (60) days beyond the date of completion of all contractual obligations of supplier including guarantee/ warranty obligations. The Performance Security is to be furnished in favor of the Director, National Institute of Technology, Raipur, within ten days of intimation, failing which his bid security will be forfeited.

The performance security will be discharged by the Purchaser and returned to the Supplier not later than 60 days following the date of completion of the Supplier's performance obligations, including any warranty obligations.

- 29. Delivery period:** Delivery of items should be made within **150 days** from the date of order of placement.
- 30. Releasing request for EMD/Bid Security and Performance Bank Guarantee (PBG):-**
- (i) Request for releasing of EMD should be addressed to Store and Purchase Section at NIT Raipur and will be released after checking the required compliances for releasing.
 - (ii) Request for releasing of Performance Bank Guarantee after expiry of the validity of the PBG should be addressed to the Head of concerned department with copy of Purchase order and other relevant details.
- 31. Delayed delivery (Liquidated damages):**
Any delay by the contractor/bidder in the performance or the delivery obligations shall render him/her liable to any of the following penalties:
- a) In the event of contractor's failure to supply the said items of acceptable quality and specifications within the original delivery period given in the purchase order, NIT Raipur shall be at liberty to recover liquidated damages to be levied @ 0.5% of the order value per week or part thereof subject to a maximum of 10% of the total order value.
 - b) Forfeiture/encashment of the performance bank guarantee/earnest money.
 - c) Liquidated damages shall be calculated on the total contract value comprising of value of complete equipment and installation & commissioning charges for a site. The supply shall be taken as complete only after the last installment of supply has been made.
 - d) After a delay of more than 8 weeks, NIT Raipur reserves the right to cancel the purchase order and buy the items from any other vendor, at bidder's risk and cost. Any losses caused to NIT Raipur on this account shall be recoverable from bidder.
 - e) In case of delay due to site not ready condition / delay in customs etc. which cannot be reasonably attributable to the system integrator then in such condition LD shall not be imposed. However, prior information has to be provided for the same.
 - f) If the payment due against a phase extends beyond 30 days for reasons which cannot be reasonably attributable to the system integrator, the period beyond this till realization of payment will not be counted towards imposition of liquidated damages.
- 32. Installation time:** The system integrator must perform the supply, installation, configuration, repairs etc. as needed within 150 days from the date of purchase order failing which order may be cancelled and EMD may be forfeited.
- 33. Copy Right:** The copyright in all drawings, documents, and other materials containing data and

information furnished to the Purchaser by the Supplier herein shall remain vested in the Supplier, or, if they are furnished to the Purchaser directly or through the Supplier by any third party, including suppliers of materials, the copyright in such materials shall remain vested in such third party.

34. **Right to use Defective Goods:** If after delivery, acceptance, installation and within the guarantee and warranty period, the operation or use of the goods proves to be unsatisfactory, the Purchaser shall have the right to continue to operate or use such goods until rectifications of defects, errors or omissions by repair or by partial or complete replacement is made without interfering with the Purchaser's operation.
35. **Site preparation and installation:** The Purchaser is solely responsible for the construction of the equipment sites in compliance with the technical and environmental specifications defined by the Supplier. The Purchaser will designate the installation sites before the scheduled installation date to allow the Supplier to perform a site inspection to verify the appropriateness of the sites before the installation of the Equipment, if required. The supplier shall inform the purchaser about the site preparation, if any, needed for installation, of the goods at the purchaser's site immediately after notification of Award / Purchase Order / Agreement.
36. **Force Majeure:**
If at any time, during the continuance of this contract, the performance in whole or in part by either party or any obligation under this contract shall be prevented or delayed by reason of any war, or hostility, acts of the public enemy, civil commotion, sabotage, fires, floods, explosions, epidemics and pandemics, quarantine restrictions, strikes, lockouts or act of God (hereinafter referred to as events) provided notice of happenings of any such eventuality is given by either party to the other within 21 days from the date of occurrence thereof, neither party shall by reason of such event be entitled to terminate this contract nor shall either party have any such claim for damages against the other in respect of such nonperformance or delay in performance, and deliveries under the contract shall be resumed as soon as practicable after such event may come to an end or cease to exist and the decision of the purchaser as to whether the deliveries have been so resumed or not shall be final and conclusive provided further that if the performance in whole or part of any obligation under this contract is prevented or delayed by reason of any such event for a period exceeding 90 days either party may at his option, terminate the contract provided also that if the contract is terminated under this clause, the Purchaser shall be at liberty to take over from the Successful Tenderer at a price to be fixed by the purchaser with mutual consent which shall be final all unused, undamaged and acceptable materials bought out components and stores in course of manufacture in possession of the Successful Tenderer at the time of such termination of such portions thereof as the purchaser may deem fit excepting such materials bought out components and goods as the Successful Tenderer may with the concurrence of the Purchaser select to retain.
37. **Defective Equipment:**
- (i) If any of the equipment supplied by the Tenderer is found to be substandard, refurbished, unmerchantable or not in accordance with the description /specification or otherwise faulty, the institute will have the right to reject the equipment or its part. The prices of such equipment shall be refunded by the Tenderer with 18% interest if such payments for such equipment have already been made to him.
 - (ii) All damaged or unapproved goods shall be returned at suppliers' cost and risk and the incidental expenses incurred thereon shall be recovered from the supplier. Defective part in

equipment, if found before installation and/or during warranty period, shall be replaced within 45 days on receipt of the intimation from this office at the cost and risk of supplier including all other charges.

38. Any disputes arising out of this enquiry shall be dealt in the Raipur jurisdiction.
39. Bidder has to sign all the pages of this tender and enclose it with the bid.

Registrar
NIT-Raipur

List of Annexure

1. Bidder's Eligibility Criteria – Annexure 1
2. Acceptance of tender terms & conditions-Annexure 2
3. List of Goods and/or Services – Annexure 3
4. Scope of Work with Detailed Functional & Technical Specifications of Equipment– Annexure 4
5. Price Schedule for goods being offered from India – Annexure 5
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7. Bidder information & check list – Annexure 7

Annexure 1

1.0 BIDDER'S ELIGIBILITY CRITERIA

S. No.	Description of Parameters	Supporting Document	Compliance (Yes/No)
1.	The bidding firm should be registered under the Indian Companies Act, 1956 and/or any subsequent amendment(s) thereof	Signed and Sealed Copy of Registration Certificate/GST Certificate (REG-06 Format)	
2.	The bidding firm must provide organization details such as PAN and GST registration certificates	Signed and Sealed Copy of necessary certificates	
3.	The bidding firm shall be ISO 9001 & 27000 certified	Signed and Sealed Copy of ISO certification	
4.	The bidding firm must declare that there is no lawsuit pending against the Proprietor / Partners / Directors and the company has not been blacklisted in the last 5 years or in the period of its existence, if less than 5 years.	Affidavit on Rs.100/- Stamp Paper	
5.	The active network devices / switches should not be declared End of Life at the time of delivery and the manufacturer(s) should support the products quoted for at-least 5 years	A letter on manufacturer(s) letterhead to this extent should be attached	
6.	The network devices should be from ISO 9000 certified manufacturers.	Documentary proof of ISO certification should be provided	
7.	The manufacturers should have local TAC (Technical Assistance Centre) based in India for offering post-sales technical support	TAC addresses of manufacturers of network switches should be provided by the bidder	
8.	The bidding firm should be authorized by the manufacturer of network devices for participation in this tender	Manufacturer(s) authorization certificate containing reference to this tender on his letterhead	
9.	In case End-Customer demands for an Onsite demonstration, the bidder must comply with the requirements for the same mentioned below*	Undertaking for the same should be provided along with declaration that the bid shall be disqualified if the PoC fails.	
10.	The Bidder must ensure the proposed switches shall seamlessly integrate with the existing LAN devices, SDN Controllers, NMS/Vista Manager servers without use of any 3 rd party or intermediate devices.	The bidder must submit a letter from the OEM/OEMs regarding the same.	

***Requirements for On-site Demonstration:** The technically qualified bidders may be asked with prior notification from NIT Raipur to demonstrate the products quoted against the tender and its compliance to the technical specifications / features during the technical evaluation stage of the tender. All the required hardware / software and other infrastructure should be sourced by bidder and /or manufacturer at their own cost. Specific details of the PoC or demonstration shall be communicated later. The successful qualification of PoC does not guarantee any order confirmation from NIT Raipur and the bidder must conduct the same with no Time & Cost implication to NIT Raipur

Annexure 2

Acceptance of terms & conditions of tender (Must be on Letter Head)

Date:

To,

The Registrar,

National Institute of Technology, Raipur-492010(Chhattisgarh)

Subject: Acceptance of Terms & conditions of Tender.

Tender ref.No.: NITRR/CCC/OT/2022/1494

Dated 20/10/2022

Dear Sir,

1. I/We have downloaded/obtained the tender document(s) for the above mentioned Tender enquiry no. from the website www.tenderwizard.com/NITR or www.nitr.ac.in.
2. I/We hereby certify that I/we have read entire terms & conditions of the tender documents from Page 01 to 23 (including all documents like annexure, schedules etc.) which form part of the tender document and I/we shall be abide by the terms & conditions/clauses contained therein.
3. The corrigendum(s) issued from time to time by NIT Raipur to 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 totality/entirely.
5. In case any provisions of this tender are found violated, NIT Raipur shall be at liberty to reject this tender /bid including the forfeiture of the full said earnest money deposit absolutely and we shall not have any claim/ right against NIT Raipur in satisfaction of this condition.
6. I/We confirm that we or our proprietor/Director/Partner have not been blacklisted or debarred or declared ineligible for corrupt/fraudulent practices either indefinitely or for a particular period of time by any Government or other agency. I/we further declare that no criminal case is registered on pending against the firm/company or its owner/partners/directors anywhere in India. Also there are no contractual restrictions or legal disqualifications or other obligations which prohibit the applicant from entering into tender process.

(Seal & Signature of the bidder)

Annexure 3

List of Goods and/or Services to be Procured under Tender

Following is the list of goods and/or services (express or implied) which are to be procured under this tender. The goods and/or services must be inline with the detailed technical specifications and scope of work.

S. No.	Description of Goods and/or Services	Unit	Qty
1	Replacement of Damaged IO Port	Nos	59
2	Network Access Switch as per technical specifications	Nos	07
3	Indoor WiFi Access Points as per technical specifications	Nos	07
4	Outdoor WiFi Access Points as per technical specifications	Nos	02
5	1kVA Online UPS (Repair)	Nos	13
6	3kVA Online UPS (Repair)	Nos	04
7	6kVA Online UPS (Repair)	Nos	01
8(a)	New 12V 7.2AH SMF Batteries	Nos	70
8(b)	Buyback of Dead 12V 7.2AH SMF Batteries (-)	Nos	70
9(a)	New 12V 42AH SMF Batteries	Nos	32
9(b)	Buyback of Dead 12V 42AH SMF Batteries (-)	Nos	32
10(a)	New 12V 65AH SMF Batteries	Nos	38
10(b)	Buyback of Dead 12V 65AH SMF Batteries (-)	Nos	38
11	Any other item which in bidder's view is required to complete this work (a) (b) (c)	Lot	01

Annexure 4

Detailed Scope of Work and Technical Specifications with Compliance

SCOPE OF WORK:

Potential bidders should note that the purpose of the tender is to supply, configure, install and test the Network switches, Indoor Wi-Fi, Outdoor Wi-Fi, and Batteries given in the goods and services list. The IO points mentioned in the item list should be replaced. The UPS mentioned needs to repair and install in their designated places. The installation locations will be provided by CCC. It is bidder's responsibility to make the complete system functional. The detailed service requirement is mentioned below.

SERVICE REQUIREMENTS

S. No.	Description	Compliance (Yes/No)
1.	Bidder needs to supply items which meet the provided technical specification	
2.	Installation must be done by a service engineer of the bidder/ OEM	
3.	Exact installation locations will be provided by Central Computer Center, NIT Raipur	
4.	The bidder will be responsible for transportation, handling, and installation etc of the items to the specified installation location.	
5.	The supplied network switch should support SDN. The bidder/OEM should integrate the device with existing SDN.	
6.	The supplied indoor and outdoor WiFi access point should be integrated with the existing Wi-Fi controller. If the supplied indoor and outdoor Wi-Fi access point does not integrate with the existing Wireless Controller then bidder need to supply Wireless Controller of given specifications with no additional cost.	
7.	It will be the bidder's responsibility to configure, test and integrate the supplied network items with the existing network without any ambiguity.	
8.	The network active device should meet the compliance sheet as per technical specifications and it should integrate with existing NMS for live remote monitoring.	
9.	UPS should be repaired from good quality part by the bidder. Batteries should be supplied and installed as per specifications provided.	
10.	The bidder need to supply battery interlink cables, lugs if the existing interlink cables, lugs are not working. If the supplied battery size is different from existing one and not able to fix in the existing rack then bidder needs to supply battery rack as per battery bank at no additional cost.	
11.	During the warranty period, Service engineer must be available on the site, i.e., the institute within 4 hours of reporting a problem for problem diagnosis and troubleshooting.	
12.	During the warranty period, an identical spare must be made available on the site within 8 hours of reporting a problem till the failed device is repaired and re-installed to ensure minimum disruption in services.	
13.	Institute reserves the right to test the claimed technical parameter of the supplied devices. Manufacturer or bidder may send their engineer during the test. Supplier agrees that no payment will be made if the devices are found defective on arrival or does not comply with the claims or develops faults during testing.	
14.	Service engineer should do preventive maintenance during warranty period if required.	

TECHNICAL SPECIFICATIONS

1. NETWORK DEVICES: 24 PORT LAYER 2 ACCESS SWITCH

S. No.	Technical Specifications	Compliance (Yes/No)
1	General Specifications: 24 no of 10/100/1000 Base-T and additional 4 x 100/1000 Base-X SFP Ports All ports should support Wire speed, non-blocking performance	
2	L2 Features : - Supports for IEEE 802.3ac, IEEE 802.3az, IEEE 802.1ab, IEEE 802.3ad IEEE 802.1Q, IEEE 802.1s, IEEE 802.1w, IEEE 802.1D, IEEE 802.3ad, and IEEE 802.1v, RSPAN/Port mirroring, VLAN ACL's, Voice VLAN, All ports should support Loop back detection. - The switch must support 2K Active VLAN's. - The switch must be able to support ring topology with sub 50ms failover for high availability as per ITU-T G.8032/IEEE 802.17	
3	Performance: Should support for following parameters - MAC address 16K entries 56Gbps of Switching Capacity - forwarding rate of up to 41Mpps	
4	Multicast: IGMP snooping v1 , v2 and v3, MLD snooping (v1 and v2)	
5	Security Features: Should support for ACLs based on L2, L3 and L4 headers, DHCPv4 (Snooping, server/ client), Dynamic ARP Inspection (DAI), IP Source Guard, RADIUS, TACACS+, SSL, SSH, SSL v2 and v3, SFTP, SCP, SNMP, NTP, Port Mirroring, Dynamic VLAN assignment and Tri-authentication such as MAC-based , web-based and IEEE 802.1x port based authentications and NAC for managing endpoint security.	
6	Management: - SNMPv1, v2c and v3, TFTP, Web GUI, CLI, USB or equivalent memory card, IPv4 and IPv6 management features and Control plane prioritization, SNMPv6, Telnetv6, SSHv6 and Syslogv6 - SDN Open Flow v1.0 or above. Should support SDN/OpenFlow in same hardware for future requirement. Shall support single IP management of minimum 8 switches	
7	Monitoring: sFlow, Connectivity Fault Management.CFM/Y.1731	
8	Quality of Services: - Must support for low latency with wire speed traffic classification essential for real time streaming and real time Video and voice applications - Should support for IEEE 802.1p standard, Policy-based QoS based on VLAN, port, MAC and general packet classifiers	
10	Operating Temperature: Min of 0 to 50 Degrees or better	
11	Certification and Compliances: UL60950-1, EN60950-1-03, EN60950-1, EN60825-1, Certifications: UL, cUL,	

	EMC: EN55022 class A, Immunity: EN55024, EN61000-3-levels 2 (Harmonics) and RoHS	
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2. INDOOR WI-FI ACCESS POINTS

S. No.	Technical Specifications	Compliance (Yes/No)
1.	The access point should be capable to offer IEEE 802.11ac Wave 2 standard with an assured throughput 1.1 Gbps or more.	
2.	Should support dual band as 2.4 or 5GHz with embedded antenna	
3.	Support IEEE 802.11a/b/g/n/ac 2x2 MIMO	
4.	The AP should be operated in standalone as well as controller-based environment.	
5.	Should have feature to create multiple virtual AP on the same physical device to configure the different security policies for each virtual AP	
6.	Should have feature to allocate the equal bandwidth for all the connected users to ensure consistent performance for all users	
7.	AP should be offering automatic channel selection to restrict interference	
8.	Should support Multiple BSSIDs, VLAN tagging	
9.	Should support automatic channel selection to avoid overlapping of the channel	
10.	Support RF load balancing to increase the performance and support WDS and WMM	
11.	Should have option Band Steering and support 802.11k, 802.11v, and 802.11r for Fast roaming	
12.	Should have mechanism to detect the Neighbor AP and client isolation	
13.	Should support Authentication, Accounting and 802.1x, WPA, MAC address and Captive Portal	
14.	Should support the mechanism to Hide and ignore/restrict for specific SSID	
15.	CE, RCM, FCC, Wi-Fi certified, UL60950-1, EN 55024, EN 55032, EN 61000-4-2, EN 61000-4-6, EN 61000-4-11	
16.	Operating Temperatures: 0°C to 50°C	
17.	Should be operated as 802.3at or 802.3af standard	
18.	Bidder shall ensure that the proposed AP/s shall seamlessly integrate with the existing Wireless Controller without any additional hardware / Software / 3rd interfacing applications.	

3. OUTDOOR WI-FI ACCESS POINTS

S. No.	Technical Specifications	Compliance (Yes/No)
A	General Feature Requirements	
1.	The system must deliver high-performance Outdoor Wi-Fi access, deploy secure and reliable outdoor hotspots at defined lobby, residential, walk-ways etc.	
2.	The proposed system shall be easy to manage with centralized Wi-Fi infrastructure management software with feature-rich management console.	
3.	Phenomenal Wi-Fi performance engineered for phenomenal Wi-Fi performance even in high-density environments for demanding voice and video applications.	

4.	The proposed system shall have Secure and Reliable Wi-Fi access with secure the network with strong encryption methods, exhaustive analytics and prevention of unauthorized access.	
5.	Industrial Grade IP67 enclosure rating to withstand challenging environments of extreme temperatures and dusty environments.	
6.	Theft protection functionality Access Point is locked for deployment in any other network until decommissioned from the existing network.	
7.	The proposed Wi-Fi system shall implement additional Services such as RADIUS authentication, content filtering and advanced Wi-Fi Service Management Platform as SoW (scope of work).	
B	Technical Features	
1.	Wi-Fi standards : IEEE 802.11b/g/n & IEEE 802.11a/n/ac	
2.	Operating mode : Access Point, Router, Mesh mode	
3.	Maximum data rates : 802.11ac @ 80 MHz: 867 Mbps, 802.11n @ 40 MHz: 300 Mbps, 802.11a/g @ 20 MHz: 54 Mbps, 802.11b @ 20 MHz: 11Mbps.	
4.	Supported channels : 2.4 GHz - 13 ; 5 GHz : 36-64, 100-144, 149-165	
5.	Modulation schemes : 802.11ac : 802.11a/g/n : 256-QAM, 64-QAM, 16-QAM, QPSK, BPSK 802.11b : 64-QAM, 16-QAM, QPSK, BPSK, CCK, DQPSK, DBPSK	
6.	Spatial streams : MU-MIMO (2x2:2)	
7.	Channel size : 2.4 GHz - 20/40 MHz 5.0 GHz - 20/40/80 MHz	
8.	Wireless security : 802.11i WPA3-AES personal, Enhanced open WPA2-TKIP/AES personal, Open WPA3-WPA2 Mixed- AES personal, Open WPA Mixed-TKIP/AES personal, Open WPA3-Enterprise (802.1x/EAP-TLS, EAP-TTLS) WPA2-Enterprise (802.1x/EAP-PEAP, EAP-TLS, EAP-TTLS) WPA Mixed-Enterprise (802.1x/EAP-PEAP)	
9.	External DB support : Radius, Active directory, LDAP	
10.	Web authentication : Radius, Active directory, LDAP	
11.	Roaming : 802.11k, 802.11v, 802.11r	
12.	Client management : Band Steering, Band Balancing	
13.	Channel : Auto Channel , Speedy channel, Channel switch	
14.	Guest management : Hotspot (WISP)	
15.	Local guest portal : Customized template Authentication method : Yes (User defined, Theme based) Click-through, Access code, Self sign-up (SMS, Email), Sponsor based (Domain-based, Individual Email ID based) Pass validity, Bandwidth restriction, Quota based)	
16.	Additional Features : WLAN scheduling Force DHCP URL altering Inactivity timeout Internet freeze OS restrictions 802.11 w Management Frame Protection (MFP)	
	Advance Routing Feature Support :	

17.	Ethernet WAN : WAN (DHCP/Static/PPPoE)	
18.	Multi WAN : Auto failover, Port forwarding	
19.	DHCP server : DHCP lease , DHCP MAC reservation	
20.	VPN : IPSec	
21.	WAN security : Port block management	
22.	URL filtering enabled	
23.	VLAN support : VLAN, 802.1Q for management and data	
24.	Client isolation : supported	
25.	Bandwidth limitation : SSID/User based bandwidth restriction	
26.	Auto QoS enabled	
27.	L2/L3/L4 ACLs : Supported	
28.	WMM,802.1P, 802.11e : Supported	
29.	Bidder shall ensure that the proposed AP/s shall seamlessly integrate with the existing Wireless Controller without any additional hardware / Software / 3rd interfacing applications.	

4. ON PREMISE WIRELESS CONTROLLER*

S. No.	Technical Specifications	Compliance (Yes/No)
1	On Premise Controller for Network Management: For better manageability, a on prem managed solution which allows Network administrator to manage the entire network from NOC.	
2	Basic Configurations Management Support: -AP model, firmware version, MAC address, public IP, date the AP was added, date of the latest revision. -Modification of AP names. -Choose IP Schema from DHCP, STATIC or PPPoE. -Reboot AP. -Remote firmware upgrades. -Easily move the AP from one group to another. -Easily move the AP from one site to another.	
3	Radio Configurations Management Support: -Change radio mode (802.11b, 802.11g, 802.11b/g/n). -Select channel or choose the 'Auto' mode. -Set Tx Power. -Choose the channel width: 20 or 40 or 80 MHz. -Control 2.4 GHz and 5GHz radios independently.	
4	SSID Configurations: -Enable up to 8 SSIDs per each access point. -Create new SSIDs, open or public (WEP, WPS2-PSK, external splash page with or without Radius AAA). -Make an SSID invisible. -Isolate clients. -Set bandwidth limits.	
5	Network Mode: Select Network mode: Each SSID or LAN port connects to the Internet. Bridge mode: SSID and or LAN port can individually be bridged through the WAN port. Router mode: SSIDs and or LAN port can individually be routed through WAN port, activating NAT and DHCP. It is possible to have a single DHCP server per each SSID, if needed.	

6	TCP/IP: Manually configure static IP addressing, specifying IP, Subnet Mask, Gateway, Primary DNS server, and Secondary DNS server. Alternatively, enable dynamic IP addressing (DHCP client).	
7	Access Point Statistics: Real-time status of the access point and last heartbeat. Status of the AP during the previous seven days, with exact date and time per issue. Real-time Load % on RAM/CPU, drop and error rates. Number of connected clients and aggregated download and upload bitrate. History of configuration revisions.	
8	Client Statistics: Access point name to which the client is connected. Client Hostname. Client IP Address. Client IP & Mode. SSID. MAC address. Session duration. Sent and received bytes Signal strength (dBm).	
9	Guest Network Management: Voucher Based Access(Single/Bulk voucher generation) Self Sign-on Based Access SMS/OTP Based Access	
10	Reporting: Store management data, client data, and user activity logs indefinitely so you can create and export reports containing historical data if needed.	

*Bidder needs to supply the on premise wireless controller if the quoted Indoor/ Outdoor Wi-Fi access point does not work with the existing Wireless Controller in no additional cost.

5. BATTERIES OF 1KVA/3KVA/6KVA UPS as given in list of goods and/or services annexure 3

S. No.	Parameter	Specification	Compliance (Yes/No)
1.	Battery Voltage	12V	
2.	Battery Capacity	7.2AH/42AH/65AH	
3.	Battery type	Sealed Maintenance Free	
4.	Certification and Compliances	Accredited based on ISO/IEC Guide 25 / 17025 or EN 45001 as per IEC / IS standards or ISO 9001:2000 or equivalent	
5.	Preferred Make/Model	Amaron/ Exide/ Okaya/ Panasonic/ are any other reputed Manufacturer	
6.	Battery Rack*	If the supplied battery size is different from existing one and not able to fix in the existing rack then bidder needs to supply battery rack as per battery bank	

Seal & Signature of Bidder

Annexure-5

Price Schedule form: Price Schedule for Goods/ Services Being Offered from India/ Abroad in INR

Name and Address of the Bidder/Tenderer:

Project Name:

Tender No.:

S. No.	Description of Goods and/or Services (A)	Units (B)	Quantity (C)	Unit Price in INR (D)	HSN Code (E)	Applicable GST Percentage (F)	Unit Price with Tax in INR (G)	Total Price (H) in INR
1	Replacement of Damaged IO Port	Nos	59					
2	Network Access Switch as per technical specifications	Nos	07					
3	Indoor WiFi Access Points as per technical specifications	Nos	07					
4	Outdoor WiFi Access Points as per technical specifications	Nos	02					
5	1kVA Online UPS (Repair)	Nos	13					
6	3kVA Online UPS (Repair)	Nos	04					
7	6kVA Online UPS (Repair)	Nos	01					
8(a)	New 12V 7.2AH SMF Batteries	Nos	70					
8(b)	Buyback of Dead 12V 7.2AH SMF Batteries (-)	Nos	70					
9(a)	New 12V 42AH SMF Batteries	Nos	32					
9(b)	Buyback of Dead 12V 42AH SMF Batteries (-)	Nos	32					
10(a)	New 12V 65AH SMF Batteries	Nos	38					
10(b)	Buyback of Dead 12V 65AH SMF Batteries (-)	Nos	38					
11	Any other item which in bidder's view is required to complete this work (a) (b) (c)	Lot	01					
Grand Total Price in INR								
*Grand Total Price in INR (in Words):								
IMPORTANT NOTE: Among the technically qualified bids, the L1 bidder will be evaluated on the Grand Total Price in INR								

The grand total will be calculated by subtracting 8(b), 9(b) and 10(b) from sum of remaining items of above list.

*L-1, i.e., successful bidder will be decided on the basis of Grand Total Price from those bidders whose bids are successful at the techno-commercial evaluation stage.

Note:

(a) Price should be all inclusive F.O.R. NIT Raipur & must be quoted in above prescribed format only.

Seal & Signature of Bidder

Annexure-6**DEVIATION STATEMENT FORM**

The following are the particulars of deviations from the requirements of the tender specifications:

CLAUSE	DEVIATION	REMARKS (INCLUDING JUSTIFICATION)

Seal & Signature of Bidder

Annexure-7 (Please put this annexure at the top of the tender document)

Bidder's information & Check list

- | | | | | |
|---------------------------------------|--|----------------------|-------------------|------------------------|
| 1. | Name of the Firm: | | | |
| 2. | Type of the firm: (Proprietorship, Pvt Ltd, Public Ltd, Partnership etc.) | | | |
| 3. | Address of the firm: | | | |
| 4. | Contact detail: | Phone No.: | Mob No. : | |
| | | Fax No. | E mail: | |
| 5. | Name of the authorised signatory: | | | |
| 6. | EMD detail : | Intrument No. | Date : | Amount: Issuing |
| Bank name & branch detail: | | | | |
| 7. | Bank details of the firm: | | | |
| | Account No.: | | IFSC Code: | |
| | Name of the Bank: | | Branch: | |

Check List(Please enclose the copy of the following & tick as per applicability)

- 1. Proof of registration of the firm/ GST Registration Certificate:**
- 2. PAN card in Firm's name:**
- 3. Proof of registration with any central govt organization (if required).**
- 4. Purchase orders issued by any central govt organization (if required).**
- 5. Bank details of the firm in letter head of the organization.**
- 6. Documents related Bidders Eligibility Criteria Annexure 1**

Seal & Signature of Bidder