



NATIONAL INSTITUTE OF TECHNOLOGY

RAIPUR – 492 010, CHHATTISGARH

Limited Tender for Up-Gradation of Network and Systems of NKN-VCR NIT Raipur**Department:** Central Computer Center**Enquiry No:** NITRR/S&P/CCC/LT/2023/2722**Date:** 30/03/2023**Important Dates**

To

Event	Date	Time
Last Date of submission of quotation	24/04/2023	06:00PM
Technical bid Opening date	26/04/2023	04:00PM
Price (financial) bid Opening	To be Informed to technically successful bidder by mail and phone.	

Dear Sir,

We intend to purchase the goods and 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.**

Yours sincerely,

Chairperson, DPC
Central Computer Center
National Institute of Technology,
Raipur (CG)

Enclosed:

- (1) Bid Document - Instruction to bidder - containing detail terms and conditions.
- (2) Bidder's Eligibility Criteria – Annexure 1
- (3) Acceptance of tender terms & conditions-Annexure 2
- (4) List of Goods and Services to be procured under this tender – Annexure 3
- (5) Detailed Scope of Work and Technical Specifications with Compliance – Annexure 4
- (6) Price Schedule for goods being offered from India – Annexure 5
- (7) Deviation statement form - Annexure 6
- (8) Bidder information & check list – Annexure 7

BID DOCUMENT
INSTRUCTION TO BIDDER

1. Please go through the enclosed “bid document” carefully for other bidding instructions.
 - **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. Bidder / Tenderer are requested to download the tender documents from our website (www.nitr.ac.in) & e-tendering portal i.e. www.tenderwizard.com/NITR.
 - 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.
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. If the bidder 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, their bids shall be rejected, any EMD amount they have submitted shall stand forfeited, and in case of EMD exemption/ bid securing declaration, such bidders may be disqualified from participating in future tender of the institute for a period of 12 months.
4.
 - (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 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.
5. **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 is a holiday) from the date of this advertisement (which has to be treated as 1st day).
6. **PRE-BID CONFERENCE:**

If a bidder has any technical queries then email can be sent to ccnetproj@nitrr.ac.in. In case of any commercial queries, email can be sent to asstreg.str@nitrr.ac.in. No queries will be entertained after the 10th day. Replies shall be given by the 15th day. Days shall be numbered starting from the date of this advertisement (which has to be treated as 1st day).

7. **Submission of bids: Bidders have to submit their bid through E-tendering mode only at website www.tenderwizard.com/NITR.**
8. 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.
9. 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.
10. **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.**
11. 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 presence of bidders or their authorized representatives.
12. Complete tender documents must be submitted on or before **as per schedule mentioned through E-Tendering mode only at website i.e. www.tenderwizard.com/NITR.**
13. Tenderers are advised to complete all submission related work well before last 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. Tenderer must try to submit their bid prior to last date to avoid any failure.
14. **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 back to us. (Helpdesk No. 011-49424365, 8800991863)**
15. The bid along with necessary documents should be uploaded only on the www.tenderwizard.com/NITR portal as per guidelines mentioned in the portal. Tender have to be submitted only online at <https://www.tenderwizard.com/NITR>. All documents in support of eligibility criteria etc. are also to be scanned and uploaded along with the tender documents. Tender sent by any other mode will not be accepted.
16. **Amendment of Bidding Documents**
 - o Corrigendum, if issued any for the tender, shall form part of the Tender Document. Corrigendum will be posted on NIT RAIPUR website (www.nitr.ac.in) & www.tenderwizard.com/NITR. Bidders/Tenderers are requested to visit NIT RAIPUR website regularly and note the corrigendum / amendments to the tender without fail and submit the offer accordingly. NIT RAIPUR will not be responsible for ignorance of corrigendum.

- 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 hosted on the website of the Institute and all prospective bidders/tenderer are expected to surf the website before submitting their bids to take cognizance of the amendments. Bidder/Tenderer who has submitted 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/Tenderer's 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 host the changes on the website of the Institute.

17. **Custom duty:** NIT Raipur has registration in Department of Scientific & Industrial Research (DSIR). However, the goods and services procured in this tender are not research equipment, and the exemption is not applicable.

18. **Bid Security (BS)/(Earnest Money/ EMD)**

- I. The Bidder/Tenderer shall furnish, as part of its bid, a bid security (BS). **The EMD/Bid security should be submitted online only through e-tendering portal i.e. www.tenderwizard.com/NITR.** The EMD amount will be as follows: -

INR 10,000/- or Valid MSME Certificate or Bid securing declaration as in GFR 2017.

- II. In the case of foreign bidders/tenderers, the BS shall be submitted either by the principal or by the Indian agent and in the case of indigenous bidders/tenderers; the BS shall be submitted by the manufacturer or their specifically authorized dealer/Bidder/Tenderer.
- III. Any bid without EMD or bid not secured in accordance with above will be rejected by the Institute as non- responsive.
- IV. 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.
- V. The successful Bidder/Tenderer's bid security will be release within one month of submission of PBG.
- VI. The firms registered with DGS&D & NSIC, if any, are exempted from payment of BS provided such registration includes the item they are offering which are manufactured by them and not for selling products manufactured by other companies.
- VII. The bid security may be forfeited:
- (a) 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.

19. **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 and leaflets.
- (ii) A compliance statement showing the compliance of the item quoted by you with that of item tendered by us should be prepared and enclosed to this. The format is available with the technical specifications.
- (iii) Any other information called for in the tender related technical and commercial specifications can also come in this part.
- (iv) Prices should NOT be indicated in this cover.

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.***
- (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 Tenderer/ bidder need to upload the following certificates along with the Tender Documents to confirm their eligibility in this part :
 - Proof of establishment of Firms/shop/business/ manufacturing unit etc. or Goods and Service Tax Registration Certificate(REG-06 Format with all pages), whichever applicable.(Clear visible scanned copy)
 - The bidder should Photocopy of PAN card issued in the name of the bidder's firm. (Clear visible colored scanned copy)
 - Tender Specific authorization from Original Equipment Manufacturer (OEM). Tender reference no. must be mentioned in the certificate. Kindly note that the authorization certificate should be directly from the OEM. In case of foreign principal, the Indian Agent may authorize, however in such case the agent must have right to do so & the foreign principal must authorize the Indian agent for the same.
 - Product catalogue or Information bulletin corresponding to the quoted product.
 - All the supporting documents as required in Annexure – 3 under Bidder's Qualification 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.
- Authorization certificate from the OEM can be verified from the OEM as and when required during the tender evaluation process. In case, if the authorization certificate cannot be verified from the OEM then the bid of the firm will be rejected.
- **The bidders must have to upload acceptance of tender terms & conditions duly sealed & signed in e-tendering portal (As per Annexure-1).**
- Please note that the PRICE SHOULD NOT BE indicated in this part.

Part II: Price Bid

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.***

Tenderer shall indicate very clearly item-wise prices with reference to their technical offer.

Individual items, i.e., goods and services have been mentioned in the price bid for the purpose of price breakup information. The lowest bid (L1) will be decided on the basis of the grand total price of the goods and services quoted FOR NIT RAIPUR.

20. The bidders should quote their offer / rates in clear terms without ambiguity.
21. The rates should be quoted both in figures and words and legibly written without any over-writings. In case of any correction, the same must be attested by the bidder with full signature. However, no over-writing is permissible. Manufacturer's price-list, where applicable, should be submitted along with the bid.
22. In case of any discrepancy between the rates in figures and that in words, the rate in words will be accepted as correct.
23. Each bidder shall submit only one bid. A bidder, who submits more than one bid, shall be disqualified and considered non-responsive.
24. The bidder has to sign in full at all pages of the bidding document which indicates bidder's acceptance of the tender terms and conditions.

25. 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/ abroad in INR

The price of the goods 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**)

26. Conditional discount, if any, offered by the bidder shall not be considered at the time of evaluation.

27. 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.

28. 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 price will be calculated FOR NIT Raipur. Lowest bid (L1) will be decided on the basis of the grand total price of the goods and 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.

29. Clearance and delivery (only if applicable)

On arrival of shipment/consignment, the supplier is required to arrange custom clearance and transportation of the consignment up to NIT RAIPUR premises. The Tenderer/ bidder will do all types of clearance work and **formalities to deliver/provide the equipment at the site of installation. The expenses incurred will be reimbursed on actual basis not exceeding the quoted amount.** Institute will provide all types of documentary support including Customs Duty exemption certificate. The custom duty, demurrage (in case of delay in release of custom duty to the custom department by NIT Raipur) and government taxes/levies (if any) will be paid extra by the buyer after as per term of payment. Please note that the State of Chhattisgarh may charge entry tax on all goods entering the State. This may be included in your quotation as a separate item. Entry Tax will be reimbursed on production of proof of payment. **Principals will themselves have to procure any requisite permission from the Govt. of country of origin of equipment.**

30. Agency Commission/other charges (only if applicable)

Agency commission, if any, should be clearly mentioned by the Bidder/tenderer and will be paid in Indian Currency. Please note that actual reimbursement will not exceed the quoted amount in any circumstances.

31. **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

32. **Warranty Period:** The warranty period should be 1 year from the date of installation with satisfactory performance as per specifications.
33. **Terms of Payment:** The method and conditions of payment to be made to the Supplier under this Contract shall be as follows:

(i) **Payment for Goods and Services offered from India:**

Payment for Goods and Services supplied from within India shall normally be made in Indian Rupees, as follows: 100% payment will be made in account payee cheque or Draft/ online Transfer using RTGS to the Supplier normally within thirty (30) days after the supply and successful installation and commissioning of equipment's subject to submission of performance security, if any. If the supply or service is done in different consignment then the payment will be done accordingly on the recommendation of the department. Bills to be submitted in triplicate to CCC Office with Delivery Challans, Installation Certificate, Warranty Certificate etc.

Note:

1. The nomenclature used for the item description in the invoices(s), packing list(s) and the delivery note(s) etc. should be identical to that used in the contract. The dispatch particulars including the name of the transporter should also be mentioned in the Invoice(s)
 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.
- The L/C will be confirmed at the supplier's cost, if requested specifically by the supplier. If L/C is requested to be extended/ reinstated for reasons not attributable to the purchaser, the charges thereof would be to the suppliers' account. All bank charges in India to the account of the opener and all bank charges outside India to the account of the beneficiary. Payment of local currency portion shall be made in Indian Rupees within thirty (30) days of presentation of claim supported by a certificate from the Purchaser declaring that the Goods have been delivered and that all other contracted Services have been performed. The L/C for 100% value of the contract shall be established after deducting the agency commission payable, if any to the Indian agent from the CIF/CIP value.
34. **Performance Security (PS):** 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, / Fixes 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.

35. **Delivery period:** 120 days from the date of placing the purchase order.

36. **The Insurance** shall be for an amount equal to 110% of the CIF or CIP value of the contract from within "warehouse to warehouse/installation site (NIT Raipur)" on "all risk basis" including strikes, riots and commotion. Also see clause 40.

37. **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.

38. **Installation time:** 120 days from the date of placing the purchase order.

39. **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.

40. **Insurance:**

- a. Should the purchaser elect to buy on CIF/CIP basis, the Goods supplied under the Contract shall be fully insured in Indian Rupees against any loss or damage incidental to manufacture or acquisition, transportation, storage and delivery.
 - b. Where delivery of the goods is required by the purchaser on CIF or CIP basis the supplier shall arrange and pay for Cargo Insurance, naming the purchaser as beneficiary, initiate & pursue claims till settlement, on the event of any loss or damage.
 - c. With a view to ensure that claims on insurance companies, if any, are lodged in time, the bidders and /or the Indian agent, if any, shall be responsible for follow up with their principals for ascertaining the dispatch details and informing the same to the Purchaser and he shall also liaise with the Purchaser to ascertain the arrival of the consignment after customs clearance so that immediately thereafter in his presence the consignment could be opened and the insurance claim be lodged, if required, without any loss of time. Any delay on the part of the bidder/Indian Agent would be viewed seriously and he shall be directly responsible for any loss sustained by the purchaser on the event of the delay.
41. **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.
42. **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 Purchase 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.
43. **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, quarantine restriction, 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.

44. 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.

45. Any disputes arising out of this enquiry shall be dealt in the Raipur jurisdiction.

46. Bidder has to sign all the pages of this tender and enclose it with the bid.

Chairperson, DPC
Central Computer Center
NIT-Raipur(CG)

List of Annexure

1. Bidder's Eligibility Criteria – Annexure 1
2. Acceptance of tender terms & conditions-Annexure 2
3. List of Goods and Services to be procured under this tender – Annexure 3
4. Detailed Scope of Work and Technical Specifications with Compliance – Annexure 4
5. Price Schedule for goods being offered from India – Annexure 5
6. Deviation statement form - Annexure 6
7. Bidder information & check list – Annexure 7

Annexure 1**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 & 27001 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, desktop/laptop quoted 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 provided	
6	The network devices should be from ISO 9001 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 integrate with the existing network devices, controllers and servers without the 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 (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/S&P/CCC/LT/2023/2722

Dated 30/03/2023

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 25 (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 Services to be procured under this tender

S. No.	Name of Goods or Services	Quantity
	Supply	
1.	24-port Managed Gigabit Switch with Gigabit Fiber Uplink as per Technical Specifications	1 Nos.
2.	Gigabit Fiber SFP Module	2 Nos.
3.	Jack Panel loaded	1 Nos.
4.	Backbox	5 Nos.
5.	Face Plate	5 Nos.
6.	Keystone Jack	5 Nos.
7.	12 Port Rack Mount LIU Loaded	2 Nos.
8.	Fiber Pigtails	12 Nos.
9.	Fiber Patch cord	4 Nos.
10.	CAT6 Cable (305m)	1 Nos.
11.	Lenovo Think Center M93p Upgrade (RAM-2x8GB DDR3, 512GB SSD, Windows 10 Pro, Antivirus)	1 Lot
12.	Laptop as per specifications	1 Nos.
13.	Desktop as per specifications	1 Nos.
14.	Casing capping (2m)	30 Nos.
15.	Any other item which in bidder's view is required to complete this work (a) (b)	1 Lot
	Services	
16.	Configuration and Integration of Managed Network Switch	1 Nos.
17.	CAT6 Cable Laying with casing capping	150 Mtr.
18.	CAT6 I/O fixing and termination	5 Nos.
19.	Jack Panel Installation and cable termination	1 Nos.
20.	Fiber Splicing	12 Nos.
21.	LIU Fixing with connectors and fiber cable managing	2 Nos.

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 upgrade the network devices and systems of NKN-VCR. The work will involve supply, installation, configuration and testing the network switch, and its integration with the existing network, supply and installation of IO boxes and other passive items as given in annexure 3, laptops and desktops need to be supplied with specifications and software mentioned and should be properly integrated at the hardware and software levels with the NKN setup including network and systems. In this project, bidder needs to supply the required items as mentioned in list of goods and services to be procured and install the same at the location specified.

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 supplied network switch should integrate the device with existing NMS.	
5.	It will be the bidder's responsibility to configure, test and integrate the supplied network items with the existing network without any ambiguity.	
6.	The network active device should meet the compliance sheet as per technical specifications and it should integrate with the existing NMS for live remote monitoring.	
7.	The supplied laptop and desktop should be as per mentioned hardware configuration and is loaded with the required software.	
8.	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.	
9.	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.	
10.	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.	
11.	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	Switch should offer Wire-Speed Non-Blocking Switching & Routing Performance at Layer 2 & Layer 3.	
2	Switch should have Twenty Four (24) 1GbE RJ45 ports and Four (4) 10GbE SFP Slots	
3	Access Switch should support Stacking up to 8 Switches with more than 40 Gbps stacking bandwidth per Switch.	
4	Switching Bandwidth: Should provide Non-Blocking switch fabric capacity of 128 Gbps or more.	
5	Forwarding Capacity: Should provide wire-speed packet forwarding of 96 Mpps or more.	
6	Switch should support 4K Active VLANs	
7	Switch should support 12K MAC addresses or more.	
8	Switch should support IP multicast snooping with support for IGMP v1, v2, v3 and MLD v1 & v2	
9	Switch should support Jumbo Frames (up to 9K bytes)	
10	Switch should support minimum 1K IPv4 Routes or more	
11	Switch should support Basic IPv4 and IPv6 Static Routing, ECMP, Host Routes, Virtual Interfaces, Routed Interfaces, Route Only and Routing between directly connected subnets from Day 1.	
12	Switch should support Dynamic IPv4 & IPv6 Routing protocols (OSPFv2 and OSPFv3) and Layer 3 Multicast Routing Protocols from Day 1.	
13	Switch should support RADIUS, username/password for Authentication, Authorization and Accounting (AAA) with Local User Accounts and Local User Passwords.	
14	Switch should support secure communications to the management interface and system through SSL, Secure Copy and SNMPv3	
15	Switch should support IP Source Guard, DHCP snooping, DHCPv4, DHCPv6 and Dynamic ARP Inspection.	
16	Switch should support IPv4 and IPv6 ACLs with up to 500 rules per ACL and a minimum of 6K rules per system (Standalone Switch or Stack).	
17	Switch should support Byte and packet based broadcast, multicast, and unknown-unicast limits with suppression port dampening.	
18	Switch should support IPv6 Router Advertisement (RA) Guard.	
19	Switch should support Flexible Authentication with 802.1x Authentication and MAC Authentication.	
20	Switch should support manageability using Controller from the same OEM.	

	Controller to be quoted along with the switches.	
21	Switch should provide Integrated Standard based Command Line Interface (CLI), Telnet, TFTP, HTTP access to switch management/monitoring	
22	Switch should support NetFlow or sFlow or equivalent	
23	Mounting Option: 19" Universal rack mount ears	
24	All categories of Switches & Switch OS should be from same OEM	

2. Gigabit Fiber SFP Module:

S. No.	Technical Specifications		Compliance (Yes/No)
1.	Fiber Type	SMF	
2.	Connector Type	LC	
3.	Maximum Distance	10 km	
4.	Wavelength (nm)	1310	
5.	Transmission Rate	1Gbps	
6.	Locking Mechanism	Self Locking	
7.	Transmit (dBm)	Min: -9 Max:-3	
8.	Receive Sensitivity (dBm)	-20	
9.	Overload	-3	
10.	Temperature	0°C to 70°C	

3. CAT6 Modular Patch Panel / Jack Panel loaded:

S. No.	Technical Specifications	Compliance (Yes/No)
1.	19" 24-port, loaded with jack, A key product used in both Category 6 link and channel gigabit Ethernet applications. The IDC section consists of V- shaped contacts that flex not fatigue when terminated. Each port features spring-loaded shutter and can be color coded to match jack outlets. Offering front and rear labeling options, the patch panel is constructed of good quality steel for additional strength and durability.	
2.	Ports : 24	
3.	Plastic Housing Jack Connector :Polycarbonate, UL94V-0 rated or equivalent	
4.	Contact Plating: 50μ" Gold/100μ" Nickel	
5.	Front Connector interface : RJ45	
6.	Circuit Identification Scheme : Icons on each of 24-ports	
7.	Port Identification : 9mm or 12mm Labels on each of 24-ports (to be included in supply)	
8.	Height 1 U (1.75 inches)	
9.	ROHS/ELV Compliant	

4. Single Information Outlet with Back box (Back Box, Face plate, Keystone Jack)

S. No.	Technical Specifications	Compliance (Yes/No)
1.	Cat 6 Data Gate Plus jack shall be designed to maintain clean and secure connections. RJ-45 jack shall have „spring-loaded shutter“ which protects it from dust and contaminants as well as provides tactile feedback –the spring-loaded shutter shall pop out an improperly seated patch cord—all with single-handed plug-in and removal.	
2.	Wire terminal : 200 termination cycles	
3.	Modular Jack : 750 mating cycles	
4.	Plastic Housing :Polycarbonate, UL94V-0 rated or equivalent	
5.	IDC Contact Plating : Tin/Lead Plate	
6.	Faceplate: Square shuttered plate with 1/2/4 port. 86 x 86 mm	
7.	ROHS/ELV Compliant	

5. 12U Light Interface Unit

S. No.	Technical Specifications	Compliance (Yes/No)
1.	Fiber Management Shelf: Configurable Fiber drawer is a 1U rack mount unit for storing and terminating incoming fiber cable	
2.	Using range of 6 Pak Plates fiber system can be configured to suit all fiber applications.	
3.	Management rings within system to accommodate excess fiber cordage behind the trough adapters and maintain fiber bend radius	
4.	Sliding drawer for ease of reconfiguring fibers	
5.	Rugged steel construction finished in attractive	
6.	Accommodates 2 x 12 fiber Splice Trays	
7.	Size (mm) : 45mm H x 485mm W x 255mm D	
8.	Optical Fiber Adapter Plates Loded : LC Duplex 6 Fiber SM Adapter Plate	
9.	LIU Should be provided with Lock & Key	
10.	No of Adapter Plate Req : As per Requirement	
11.	Pigtail : LC, Single mode, 9/125 μ m qty depend on Connection	
12.	ROHS Compliant	

6. Fiber pigtails

S. No.	Technical Specifications	Compliance (Yes/No)
1.	Cable - 900Micron Tight Buffered	

2.	Length - 1.5Mtrs	
3.	Polishing - 100% Factory Tested and Guaranteed Performance	
4.	Connector End: 1 X LC Connector S.M Zirconia ceramic ferrule.	
5.	Operating Temperature -10 Degrees to + 60 ° C	
6.	Sheath : LSZH	
7.	Min Bend radius : 30mm	
8.	Retention Strength : 100N	
9.	at 1310 nm $\leq$ 0.36 dB/KM	
10.	at 1550nm $\leq$ 0.22 dB/KM	
11.	ROHS Complaint	

7. Fiber Patch cord

S. No.	Technical Specifications	Compliance (Yes/No)
1.	Make and Type :LC to LC Duplex/Simplex tuned Fiber Optic Patch Cord 3 Mtr, 9/125 Micron	
2.	Cable Sheath : LSZH	
3.	Cable Diameter :1.8 mm twin zip	
4.	Ferrule : Ceramic	
5.	Buffer :Tight buffered	
6.	Insertion Loss : MAX .3 db	
7.	Return Loss > 45 db	
8.	Temperature Range : -10 Degree C to +60 Degree C	
9.	ROHS Compliant	

8. CAT 6 cable box 305m

S. No.	Technical Specifications	Compliance (Yes/No)
1.	Category 6 Unshielded Twisted Pair 4-pair cable shall be compliant with ANSI/TIA/EIA-568-C.2 Transmission Performance Specifications for 4-Pair Category 6 Cabling	
2.	Category 6 UTP cables shall extend between the work area location and its associated telecommunications closet and consist of 4-pair, 23 AWG, UTP with FR PVC jacket or LSZH.	
3.	Supports ultra-high speed data networks such as Gigabit Ethernet (1000 Base T and 1000 Base-TX)	
4.	Cable jacket shall be FR PVC or LSZH	
5.	Incorporates Central Spine maintaining pair separation during installation to ensure premium performance after installation	

6.	Construction: 4 Twisted Pairs separated by internal X-shaped, 4-channel, polymer spine / full separator. Half shall not be accepted. Conductor: Solid Copper Conductor Diameter: 0.56±0.005mm (23 AWG) Insulator: Polyolefin Jacket: FR PVC or LSZH Outer Diameter: 6.0±0.4mm Max. Temperature: 75°C	
7.	ROHS/ELV compliant	

9. LAPTOP

S. No.	Technical Specifications	Compliance (Yes/No)
1.	Min Spec: 14inch core intel i5, min. 10 th gen processor, 2GB Graphics, 512GB M.2/SSD 8GB DDR4 RAM, Windows 10 Pro, Antivirus, with virtualization software pre-installed for Laptop	

10. DESKTOP

S. No.	Technical Specifications	Compliance (Yes/No)
1.	Min Spec: core intel i5, min 10 th gen processor, 2GB Graphics, 512GB M.2/SSD 8GB DDR4 RAM, Windows 10 Pro, Antivirus, 300W PSU, 24 Inch with LCD/LED Monitor with virtualization software pre-installed for Desktop	

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 Material (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
	Supply							
1.	24-port Managed Gigabit Switch with Gigabit Fiber Uplink as per Technical Specifications	Nos.	1					
2.	Gigabit Fiber SFP Module	Nos.	2					
3.	Jack Panel loaded	Nos.	1					
4.	Backbox	Nos.	5					
5.	Face Plate	Nos.	5					
6.	Keystone Jack	Nos.	5					
7.	12 Port Rack Mount LIU Loaded	Nos.	2					
8.	Fiber Pigtaills	Nos.	12					
9.	Fiber Patch cord	Nos.	4					
10.	CAT6 Cable (305m)	Nos.	1					
11.	Lenovo Think Center M93p Upgrade (RAM-2x8GB DDR3, 512GB SSD, Windows 10 Pro, Antivirus)	Lot	1					
12.	Laptop as per specifications	Nos.	1					
13.	Desktop as per specifications	Nos.	1					
14.	Casing capping (2m)	Nos.	30					
15.	Any other item which in bidder's view is required to complete this work	Lot	1					

	(a)							
	(b)							
	Services							
16.	Configuration and Integration of Managed Network Switch	Nos.	1					
17.	CAT6 Cable Laying with casing capping	Mtr.	150					
18.	CAT6 I/O fixing and termination	Nos.	5					
19.	Jack Panel Installation and cable termination	Nos.	1					
20.	Fiber Splicing	Nos.	12					
21.	LIU Fixing with connectors and fiber cable managing	Nos.	2					
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								

***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**Form for Statement of Deviation**

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 : Instrument 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