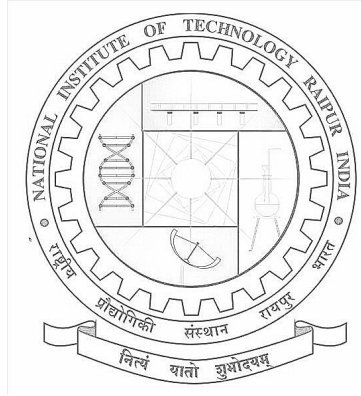
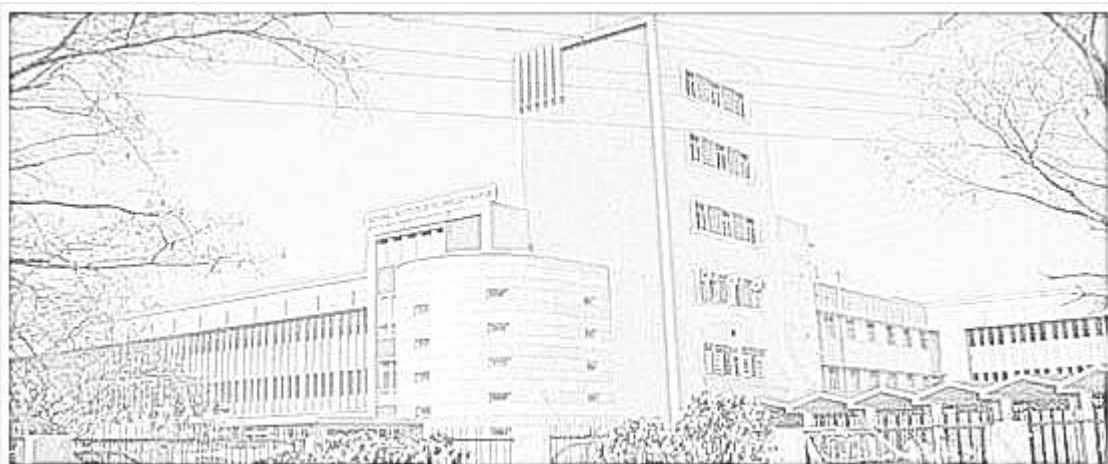




NATIONAL INSTITUTE OF TECHNOLOGY, RAIPUR

CHHATTISGARH, INDIA

<http://www.nitr.ac.in>



NOTICE INVITING TENDER

National Institute of Technology, Raipur invites bids in two-bid format for “SUPPLY, INSTALLATION, TESTING AND COMMISSIONING OF COMPUTATIONAL SYSTEMS” for the Central Computer Centre at its G.E. Road Campus.

Detailed information to the bidders including Instructions, Terms and Conditions, Schedule of Requirements, Specifications and Allied Technical Details, Price Schedule, Contract Form, and some other forms are available in the tender document which may be downloaded from the Institute Website <http://www.nitr.ac.in/>

IMPORTANT INFORMATION

1	Name of Work	Supply, Installation, Testing and Commissioning of Computational Systems
2	Notice Inviting Tender Reference	NITRR/Central Store/CCC/OT/2017/3467 Dated 16/03/2017
3	Tender Processing Fee, Non-refundable	INR 10,000/-
4	Earnest Money Deposit (EMD), Refundable	The bidder should furnish, as part of its bid, an Earnest Money Deposit (EMD) of INR 14,00,000/-
5	Time Period for sending pre-bid queries over e-mail	27/03/2017 to 03/04/2017 (upto 6:00 P.M.)
6	Last date and time for submission of bids	20/04/2017 up to 3:00 P.M.
7	Date & Time of opening of Techno-commercial Bid Part-A	20/04/2017 at 3:30 P.M.
8	Date and Time of opening of Techno-commercial Bid Part-B	To be informed to technically successful bidder later
9	Venue of Opening Bids	Central Store National Institute of Technology, G.E. Road, Raipur 492010, Chhattisgarh
10	E-mail ID for Tender Related Queries	cccsys@nitr.ac.in

CHAPTER I: INSTRUCTIONS TO BIDDERS

1. This is an open tender enquiry. The bidder has to execute the project on turn-key basis and provide end-to-end solutions to the scope of work of this Tender. The requirements, necessary design inputs and baseline technical specifications have been provided by the institute in this document. The implementation shall be subject to the supervision and quality control of the institute.
2. The Bidders are advised to read and understand the tender document carefully.
3. Submission of tender shall be deemed to have been done after careful study and examination of the tender documents with full understanding of the implications thereof.
4. Contracts made under this tender will be governed by the conditions specified in this document.
5. Bids should be submitted in two parts: techno-commercial bid and price bid. The techno-commercial bid is further classified into the following two parts: Techno-commercial bid: Part-A", and "Techno-commercial bid: Part-B"
6. The techno-commercial part consists of the eligibility criteria of the bidder along with necessary documents in support etc. and technical compliance mentioned later in this chapter. No part of the Techno-commercial bid should contain any price or price related information, either explicit or implicit; otherwise the bid will be summarily disqualified.
7. The price bid or the financial bid, indicates item-wise price for all the items as mentioned later in this chapter/document.
8. Techno-commercial bid cover shall contain two covers super scribed "Techno-commercial bid: Part-A", and "Techno-commercial bid: Part-B"
9. Techno-commercial bid Part-A shall contain eligibility related and other required forms as mentioned later in Chapter VI.
10. Techno-commercial bid Part-B shall contain duly filled in technical compliance sheets, hardcopy of the datasheets, hardcopies and softcopies of other technical literature as mentioned later in this chapter / documents.
11. The techno-commercial and price bids should be placed in separate sealed covers and the two covers should be placed in a single sealed bigger cover.
12. Techno-commercial cover should be super scribed "TECHNO-COMMERCIAL BID FOR <<MENTION TENDER NAME AND ENQUIRY NUMBER HERE>>".
13. Price bid cover should be super scribed "PRICE BID FOR <<MENTION TENDER NAME AND ENQUIRY NUMBER HERE>>".
14. The single sealed bigger cover containing the techno-commercial and price bid covers should be super scribed "BID FOR <<MENTION TENDER NAME AND ENQUIRY NUMBER HERE>>". The bid envelops must be addressed to "The Registrar, National Institute of Technology, G.E. Road, Raipur 492010 Chhattisgarh" and should also include the name and address of the bidding firm.

15. Bids should be submitted by dropping them in a Tender-box kept specifically for this tender in the Institute by the Bidder or its representative.
16. Bids should be complete in all respects.
17. All the required forms should be submitted with the bids in the prescribed formats.
18. All pages in a cover should be neatly tied up / tagged / stapled / filed / bound and there should not be any loose pages.
19. All pages submitted with a bid should be signed by an authorized signatory and bear the company's stamp.
20. All signatures should be done in blue colour using ball point pen.
21. All stamps should be in blue colour ink.
22. Entries should be made neatly and legibly by typewriter or computer printing.
23. Corrections, if any, should be done by striking out the entry to be corrected with a single line, encircling it and should bear the initials of an authorized signatory.
24. Use of white fluid is not permitted.
25. Overwriting is not permitted.
26. Pre-bid clarifications should be sent within the date and time mentioned in the notice inviting tender via e-mail to cccsys@nitrr.ac.in in the required format given in Form-9. Clarifications sought later or not in proper format shall not be considered.
27. Subject line of the e-mail should be "Pre-bid clarification" along with Tender Ref No. and Date
28. Scanned copy of the duly filled pre-bid clarification form and an editable copy of the table therein in MS Excel © format containing the pre-bid queries and other details should be attached with the mail.
29. Replies to pre-bid clarifications shall be given within 05 working days of the last date for pre-bid clarifications by e-mail. Bidders are advised to submit their bids after this.
30. The Institute reserves the right to call a pre-bid meeting in case deemed necessary wherein the queries posted earlier by e-mail will be replied to. In case, pre-bid conference is called date, time and venue of pre-bid conference will be published in the Tender section of the Institute's website www.nitrr.ac.in. The interested bidders are therefore advised to keep visiting our web-site. In case, the Institute does not conduct a Prebid meeting, all the queries raised by the bidders would be answered via email in the prescribed period.
31. Only one duly authorized employee of the bidding firm carrying the proper identification, etc. and duly filled-in Form – 1 can attend the pre-bid conference.
32. Revisions / amendments / corrections / corrigenda to the tender, if any, due to pre-bid clarifications or at the institute's own decision shall be posted on the institute website.

33. Information / notices of interest to all bidders and revisions / amendments / corrections / corrigenda to the tender, besides those due to pre-bid clarifications shall also be posted from time to time on the institute website <http://www.nitr.ac.in>
34. Bidders are advised to check the institute website regularly for updates on this tender.
35. Ignorance of information posted on the website shall not be accepted as valid reason for non-compliance with tender terms and conditions or technical specifications, etc.
36. Each bidder should submit only one bid. Multiple bids submitted by a bidder will result in disqualification of the bidder.
37. Blank
38. Bids submitted along with all documents and media shall remain with NIT Raipur and not be returned to the bidder.
39. NIT Raipur shall not bear any costs associated with the preparation of the tenders.
40. The price bid should contain the price quoted by the bidder in the format specified in the Price Schedule.
41. Price quoted should be all-inclusive price F.O.R. NIT Raipur.
42. Actual quantities of items and jobs work are subject to variation on either side for all components, subject however to a maximum price impact of 10% on the work order value. However, only the indicative ballpark quantities mentioned in the price schedule shall be considered by the bidders for preparing their price bids and by NIT Raipur for award of work. The bidding firms shall not be reassessed due to change in quantities.
43. Payment shall be made strictly on the basis of the actual quantities utilized. For the payments, unit prices shall be multiplied by the actual quantities.
44. Prices should be quoted in Indian Rupees only.
45. In the Price bid, the quoted price shall include all duties and taxes like VAT / sales / service tax, entry tax, octroi, terminal tax, etc. whichever are applicable. Bidder shall separately mention all the government duty and tax percentages included in the prices so that any variation can be accounted for later. In case of an upward variation in the tax/duty percentages between the date of submission of bid and the date of actual supply, the difference will be paid by NIT Raipur. Likewise, in case of a downward variation in these percentages, the bidder must agree to supply the items at the lower prices. Institute has Customs and Excise Duty Exemption Certificate. Same will be provided to the successful bidder at the time of the work order.
46. Packing and forwarding, freight and insurance are in the contractor's scope i.e., included in the quoted price.
47. Warranty required on different items should also be included in quoted price.
48. Bidder should extend and include the advantage of discounted pricing for education in the quoted price, if such a discount is being offered by the OEM of a certain product.
49. The price quoted shall remain fixed till three months of successful operation of the equipment supplied and installed.

50. The following should be enclosed in a single separate cover within the technical bid cover super scribed "Techno-commercial Bid: Part-A".

- (i) Tender processing fee demand draft shall be submitted along with Technical Bid.
- (ii) Bid security (EMD) in one of the accepted formats or attested true copy of current DGS&D / NSIC registration
- (iii) All documents related to bidder's eligibility including but not limited to
 - 1. Attested true copies of the audited financial statement / auditor's certificate.
 - 2. Copies of purchase orders and work completion certificates
- (iv) Copy of tender with sign of authorized signatory and company stamp on all pages
- (v) Income tax returns for the last three years and copy of the PAN card of the applicant firms and partners / Directors thereof
- (vi) Following forms:
 - (a) Form for bidder's self information
 - (b) Form for submission of bids
 - (c) Form for submission of similar works executed by bidder as proof of eligibility
 - (d) Form for Manufacturer's authorization given to bidder
 - (e) Form for information on after sales service centres
 - (f) Form for warranty
 - (g) Form for statement of deviations from tender conditions
 - (h) Performance Guarantee Bond

51. The following should be enclosed in a single separate cover within the technical bid cover super scribed "Techno-commercial: Part-B".

- (i) technical compliance booklet (all product compliance tables filled)
- (ii) technical literature
 - (a) Datasheets (hard copy of datasheets of all items mentioned in technical compliance sheets is mandatory).
 - (b) Unpriced price schedule with make, and model numbers without mentioning the prices (in the format as shown in Chapter-IV).

Softcopy of all technical literature e.g., Datasheet.pdf, AdminGuide.pdf, UserGuide.pdf etc., which shall establish compliance (arranged in appropriately named folders for each line item, e.g., Switches, UTP Cables, FOC Cables, Racks, Servers, etc.).

Include a README file containing the index (Item Name, S.No., Relevant Specification No., Document File Name, and Page No.) for quick reference (so that it is easy for determining compliance).

52. It is advised in his own interest that the softcopies be submitted by the bidder in three copies in different media types for reliability: CD, DVD, pen-drive, SD card, magnetic tape and in the common file formats for handling situations where the media becomes corrupt for some reason.

53. The copy of the tender with sign of authorized signatory and company stamp on all pages implies acceptance of all terms and conditions of this tender by the bidder.

54. Bidders should note that if the date of tender opening is declared a closed holiday by the Government, the tender shall be opened on the next working date.

55. Non-refundable tender processing fee of value mentioned in the Notice Inviting Tender has to be submitted as Demand Draft in favour of Director, NIT Raipur payable at Raipur along with Techno-commercial bid: Part-A

56. Last date & time for submission of bids: As mentioned in the Notice Inviting Tender

57. Bidders should not send any part / complete bid through post/courier/e-mail / fax.
58. Due Date & Time For Opening:
- (i) Part 1: Techno-Commercial Bid: As mentioned in the Notice Inviting Tender
 - (ii) Part 2: Price/ Financial Bid: Date, time and venue will be informed through email/fax to those bidders only whose technical bids are found qualified
59. Place of opening of tenders shall normally be as mentioned in the Notice Inviting Tender
60. Refundable bid security as mentioned in the Notice Inviting Tender has to be submitted as account payee demand draft / fixed deposit receipt/Bank Guarantee of a nationalized bank drawn in favour of "Director, NIT Raipur" payable at Raipur along with Techno-commercial Bid: Part-A.
61. Bid security (EMD) exemption is applicable to bidders registered with DGS&D and NSIC if all the products quoted are manufactured by them.
62. The bid security should be submitted in its original form and copies shall not be accepted.
63. The bid security should remain valid for a period of forty-five days beyond the bid validity period (180 days from the last day of bid submission).
64. The bid validity should be for a minimum of 180 days from the last day of bid submission.
65. Bid securities of the unsuccessful bidders shall be returned without interest to them at the earliest after expiry of the final bid validity and latest on or before the 30th day after the award of the contract.
66. Bids without tender processing fee and /or bid security shall be summarily rejected.
67. During the process of evaluation of tenders, no queries shall be entertained from the Bidders with regard to its status.
68. If the bidder submits false information his bid shall be rejected.
69. The submission of the bid shall be deemed to imply that the bidder fully understands the scope of work involved.
70. Incomplete or technically deviated or commercially deviated or conditional bids shall be rejected.
71. The names and complete postal addresses of the bidding organization should be mentioned on all covers
72. Evaluation Process: Contract shall be awarded to the lowest evaluated bidder whose bid is found to meet the technical and commercial criteria and who is eligible and qualified to perform the contract satisfactorily as per the terms and conditions of this tender.
73. Following shall be the steps followed for evaluation of the tenders:
- (i) Techno-commercial bid: Part-A shall be opened first to check the bidder's eligibility which must be submitted as per the format given in condition of contract duly filled in by the bidder.
 - (ii) If bidder is found eligible in (i) above, then Techno-commercial bid: Part-B shall be opened and the compliances shown in the technical compliance booklet shall be verified against the datasheets and supporting technical documents submitted by the bidder.

(iii) If bidder is found eligible in (i) and (ii), then his price bid shall be opened and contract will be awarded to the bidder with the overall lowest quoted grand total price for complete end-to-end solution including all supplies, installation and services.

74. Bids received shall be evaluated only in terms of the conditions already incorporated in the bidding documents; no new condition which is not contained in the bidding documents shall be brought in or considered for the evaluation of the bids. Determination of a bid's responsiveness shall be based on the contents of the bid itself without recourse to extrinsic evidence.

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CHAPTER II: CONDITIONS OF CONTRACT

1. DEFINITIONS AND INTERPRETATION

In the Contract, unless the context otherwise requires:

- (a) "NIT" or "NIT Raipur" would mean the National Institute of Technology, Raipur.
- (b) "CCC" or "CCC NIT Raipur" would mean the Central Computer Centre, NIT Raipur.
- (c) "Letter of Intent" means the letter / telex / telegram / fax or any memorandum communicating to the bidder as the acceptance of his bid and includes an advance acceptance of his bid.
- (d) "Contract" means and includes the Notice Inviting Tender, Instructions to Bidders, Acceptance of Bid, Conditions of Contract and other conditions (if any) specified in the "Letter of Intent" and include a formal agreement, if executed.
- (e) The "Contractor" means the person, firm, bidder or company with whom the purchase order is placed and shall be deemed to include the contractor's successors (approved by the Purchaser), representatives, heirs, executors, administrators and permitted assignees, as the case may be, unless excluded by the terms of the contract. The terms "Contractor" and "Successful Bidder" have been used interchangeably in this bid document.
- (f) "Purchasing Officer" means the officer signing the Letter of Intent and includes any officer who has the authority to execute the relevant contract on behalf of NIT Raipur.
- (g) The "Purchaser" means the National Institute of Technology, Raipur.
- (h) The "Bidder" Shall mean a company/firm in its individual right.
- (i) CCC, NIT Raipur implying the Central Computer Centre of NIT Raipur comprising of all its members. The CCC, NIT Raipur is authorized to take decisions on behalf of NIT Raipur in respect of the implementation of this project and to handle communications and clarifications in respect of this project.
- (j) "Project Manager" in the case of bidder means a designated representative of the Bidder, who is empowered by the authorized signatory of the bidder for delivering the contractual obligations under this contract. He will be the one point interface with NIT Raipur for the technical implementation of the project. The Senior Technical Officer (IT), or the System Administrator, NIT Raipur shall be the "Project Manager" from the Institute side. The project engineers deputed on the site by the bidder shall consult him from time to time for technical and other clarifications related to the project to ensure smooth and timely technical implementation.
- (k) "Service" means all the services to be rendered by the contractor as stated in contract details
 - (i) In relation to the supply, transportation to the work site, installation, system integration, commissioning, making operational and testing the hardware including all networking equipment and infrastructure, systems, servers, software
 - (ii) In relation to the installation of any accessories like electric wiring, electric boards etc. required to make operational any equipment
 - (iii) In relation to manpower and annual maintenance contract
 - (iv) In relation to system / application software supplied by the bidder
 - (v) Documentation
 - (vi) Training
 - (vii) Development and support

- (l) "Personnel" means Staff, employees, agents, contractors and sub-contractors of either party and also includes the staff, employees, agents and contractors of those subcontractors with qualification, experience and certification.
- (m) "Software" means system/ application software to be supplied by the contractor, as stated in the contact details.
- (n) "Specifications" means all the functional, operational, performance or other characteristics required of a Product or Service found in tender document Chapter-IV or any of the annexure or addendum or corrigendum to the tender document.

2. AUTHORIZED SIGNATORY AND ADDRESS OF THE CONTRACTOR

The Authorized Signatory of the Bidder shall be:

- (a) The proprietor in case of "Sole Proprietor" firm or constituted attorney of such sole proprietor.
- (b) One of the partners in the case of a "Partnership" firm, in which case he must have authority to refer to arbitration disputes concerning the business of the partnership either by virtue of the partnership agreement or a power of attorney. In the absence of such authority all partners shall be authorized signatories and will be required to sign the tender.
- (c) A director or the regional head or person of equivalent designation and rank in case of a limited company or in the case of a government organization an official having requisite authority duly authorized for the purpose by a resolution of the board of directors.
- (d) For all purpose of the contract, including arbitration thereafter, the address of the Bidder mentioned in the tender shall be the address to which all communications shall be the addressed.

The contract shall be for the items mentioned in the price bid.

3. ELIGIBILITY CRITERIA (TECHNO-COMMERCIAL)

FOR THE BIDDERS: The bids of the bidders meeting all the following eligibility criteria mentioned in the table below shall only be considered

S. No.	Eligibility Criteria	Documents required
1	The bidder should be either the system-integrator or the OEM. The bidder has to install & deploy the HPC solution including the file system. The bidder is also required to supply and install the client access systems (desktop PCs)	Authorization letter from manufacturers to bid / negotiate / conclude the order against this tender must be enclosed with the technical bid, as per format enclosed. Authorization must be provided from the manufacturer providing the nodes of the HPC setup
2	Refundable Earnest Money Deposit (EMD) and Non-refundable tender processing fee for the amount mentioned in the Notice Inviting Tender	The tenderer shall be required to submit the Earnest Money Deposit (EMD) as Banker's cheque / Demand Draft / Bank Guarantee which is refundable and a non-refundable tender processing fee by way of Demand Draft/ Banker's Cheque only.

Tender for Supply, Installation, Testing and Commissioning of Computational Systems

		The Banker's Cheque / Demand Drafts shall be drawn in favour of the Director, NIT Raipur, payable at Raipur, from any Scheduled Bank. The earnest money deposit & tender fee must be enclosed in a separate envelope and submitted along with the Techno-commercial bid Part - A.
3	The bidder should be an Indian Company registered under Companies Act and in the IT Business for more than five (05) years.	Certificate of Incorporation / Memorandum of Association.
4	The bidder should possess the following : Trade License VAT / TIN Registration CST Registration Permanent Account Number (PAN) Service Tax Registration	Bidder must submit self-attested copies of each of the following License / Registrations along with the technical bid.
5	PF & ESIC registration	Bidder must submit self-attested copies of PF & ESIC registration along with proof of payment (challans).
6	Professional Tax Registration	Bidder must submit self-attested copies of Professional Tax registration along with proof of payment.
7	Income Tax return for last three years	Bidder must submit self attested copies of IT returns for the last three years.
8	Average Annual Turnover	The average annual turnover of the bidder for last three financial years should not be less than Rs. 30.0 Crores (Rupees Thirty Crores). The bidder must submit a certificate from the Auditor / Chartered Accountant in this respect.
9	The bidder should have completed within the preceding 7 calendar years ending last day of month previous to the one in which this tender has been published a. One similar completed works each costing not less than 560 lakhs, or, b. Two similar completed works each costing not less than 350 lakhs, or, c. Three similar completed work costing not less than 280 lakhs Similar projects should include supply, installation, integration of Computer Server, Storage,	Self attested copies of work orders and work completion certificates / client sign-off

	Workstation, Desktop/Laptop	
10	Bidder's Undertaking	The bidder must submit a Notarized Undertaking that the bidder is not blacklisted, barred from taking part in any tender, as on date of this bid submission. The bidder must also not be referred or under BIFR. (This affidavit should be done in Rs. 100/- Stamp Paper)
11	Technical Compliance	The bidder must submit a line-item-wise compliance of the technical specifications, as per the compliance tables with reference in the data sheet or any other authentic document of the respective manufacturer.
12	Bidders Acceptance of the RFP Clauses	Bidder should submit the RFP, signed and stamped, as a token of acceptance of the RFP clauses. All the documents submitted by the bidder must be signed by Authorized Signatory having valid Power of Attorney.

HPC NODE MANUFACTURER'S CRITERIA

S. No.	Manufacturer's Criteria	Compliance (Yes/No) Provide duly attested copies of necessary documents in support
1	Manufacturer should have their direct sales & support in India for the last 10 years. Proof of the same has to be furnished with the bid.	
2	Manufacturer should have at least 5 installations within the top 50 with at least 10 installations within the top 500 of the Top500 November 2016 list. Proof of the same has to be furnished with the bid.	
3	All the server nodes, storage nodes, high-end compute nodes should be from the same Manufacturer	

Note that the manufacturer's criteria mentioned in the table below does not apply to the manufacturers of desktop systems

4. EARNEST MONEY DEPOSIT (BID SECURITY)

- (a) The firms registered with DGS&D and NSIC, if any, are exempted from payment of Earnest Money Deposit provided such registration is for the quoted items being manufactured by them.

- (b) All bidders, except those in point (a) above are required to submit EMD along with their bids for this tender.
- (c) EMD may be in the form of Account Payee Demand Draft / Fixed Deposit Receipt/Bank Guarantee (Format enclosed) issued by any nationalised bank drawn in favour of “Director, NIT Raipur” payable at Raipur and valid for a period of forty-five days beyond the final bid validity period. The EMD shall be submitted in its original form. Copies will not be accepted.
- (d) The names and complete postal addresses of the bidding organization should be mentioned on the other side of the DD / FDR.

EMD is liable to be forfeited if the bidder withdraws or amends or impairs or derogates from the bid in any respect within the validity of the bid and is open for acceptance whether originally fixed or extended.
- (f) EMD shall also be forfeited if the successful bidder fails to execute performance cum warranty guarantee bond within stipulated time after acceptance of bid is communicated to him. Any bid not accompanied by EMD is liable to be summarily rejected.
- (g) The EMD shall be returned to the successful bidder on submission of the performance cum warranty guarantee bond of the order value in the prescribed format.
- (h) No interest shall be payable by the Purchaser on the Earnest Money/Bid Guarantee to the Bidder.
- (i) The Earnest Money shall remain deposited with the Purchaser for the validity period as mentioned, from the last date of bid submission. If the validity of the offer is extended, for some reasons, the Earnest Money Deposit extension shall also be furnished failing which the bid after the expiry of the aforesaid period shall not be considered by the Purchaser.
- (j) The Earnest Money of all unsuccessful bidders shall be returned without interest to them at the earliest after expiry of the final bid validity and latest on or before the 30th day after the award of the contract.

5. PRE-BID CLARIFICATIONS, OMISSIONS AND DISCREPANCIES, IF ANY, IN THE TENDER DOCUMENT:

- (a) Bidders are expected to go through the tender document thoroughly and carefully. In case a bidder finds any discrepancy or omission in any part of the tender document / has doubts to the meaning / interpretation thereof, or otherwise wishes to seek further clarity on some aspects, he shall seek clarification from NIT Raipur by sending e-mail with the subject line “Pre-Bid Clarification” and attaching a scanned copy of the duly filled-in Pre-Bid Clarification Form and an editable copy of the table therein in MS Excel (c) format to the following e-mail id: cccsys@nitrr.ac.in in the period mentioned in the Notice Inviting Tender. The reply shall be given through reply mail. No other mode of communication after publication of the tender is allowed.

If any clarification is of interest to all bidders, NIT Raipur shall post them on the institute website and further any amendments / revisions / corrections / corrigendum etc. shall be issued 05 days from the last date of seeking pre-bid clarifications. Bidders are advised to submit their bids after this date.

- (b) It shall be understood that while every endeavour has been made to avoid any error which can materially affect the basis of the bid, the successful bidder shall take upon himself and provide for the risk of any error which may subsequently be discovered and shall make no subsequent claim on account thereof.
- (c) The submission of the tender will be deemed to imply that the bidder fully understands the scope of work involved and has read and understood all conditions of the tender document and his liabilities and responsibilities in respect of the tender.

6. AMENDMENTS TO BID INVITATION

- (a) Amendments / Revisions / Corrections / Corrigenda, if any, is issued for the tender, shall form part of the tender document and will be posted on NIT Raipur's website (<http://www.nitr.ac.in>) Bidders are therefore advised to visit NIT Raipur's website regularly without fail. NIT Raipur will not be responsible for ignorance of any information posted on the website in respect of this tender.
- (b) 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, modify the bidding documents by amendment. The same would also be hosted on the website of the institute and all prospective bidders are expected to surf the website before submitting their bids to take cognizance of all possible amendments. Bidders who have submitted the bids before publishing the amendments may revise their bids incorporating the amendments before the last date of the tender.
- (c) In order to allow prospective bidders reasonable time in which to take Amendments / Revisions / Corrections / Corrigenda into account in preparing their bids, the institute, at its discretion, may host the changes on the website of the institute and extend the deadline for the submission of bids by such a number of days not less than five as in the opinion of NIT Raipur will enable the bidders to revise their bids.

7. PROCESS TO BE CONFIDENTIAL

- (a) After the public opening of the bids, information related to the examination, clarification, evaluation and comparison of bids, and recommendations concerning the award of the purchase order shall be treated strictly confidential and not disclosed to the bidders or other persons not officially concerned and connected with such process.
- (b) Any effort by the Bidder to influence the purchaser in the process of examination, clarification, evaluation and comparison of bids, and in the decision concerning the award of contract, may result in outright rejection of his bid.

8. BID OPENING

The sealed bids shall be opened in the presence of such of the bidders or their authorized representatives who may like to be present at the time and date fixed. The representative shall bring the original form of bidder's authorization, the ID card issued by the bidder organization, any photo identity card issued by the Central Government of India. In the absence of any of these documents, the representative shall not be allowed to attend bid opening.

NIT Raipur shall have the right to change the date and time of opening of the bid. The changed date and time shall be notified through the website. In the event the bid opening date / last date for tender submission etc. mentioned in the tender document is declared as a holiday the next working day at the institute will be considered as the due date for receiving and opening of tenders. The time shall remain the same.

9. CLARIFICATIONS BY NIT RAIPUR

- (a) To assist in the examination, evaluation and comparison of bids, NIT Raipur may ask the bidder individually for a clarification on his bid including breakdown of unit rates. The request for clarification and the responses shall be in writing / email / fax but no change in price or substance shall be sought, offered or permitted except as required to confirm the correction of arithmetical errors discovered by NIT Raipur during the evaluation of bids. Such reply shall be given within the time limit mentioned in the intimation issued by NIT Raipur, failing which NIT Raipur will be at liberty to conclude that nothing further is to be submitted by the bidder on this matter.
- (b) Bidder shall have to arrange for a demonstration of any product if NIT Raipur determines it is in its best interests to do so, during evaluation of the bids.

10. VALIDITY OF THE BID

The validity of the bid must be for a minimum of 180 days from the last day of bid submission. Any subsequent extension of validity shall be for a minimum of 30 days. In this case the bid security will need to be extended by the bidder.

11. RIGHT OF ACCEPTANCE

NIT Raipur reserves the right to reject any or all tenders without assigning any reason to the bidders subject to the relevant guidelines in this context.

12. COMPLIANCE WITH STATUTORY PROVISIONS IN RESPECT OF WORKERS / LABOURERS ENGAGED

- (a) It shall be the sole responsibility of the contractor to abide by the provisions of all relevant labour laws or legislation for the employment of contract labourers / employees which will govern the nature of the contract.
- (b) NIT Raipur shall not be responsible for the payment of wages and or any other emoluments to the personnel / workers deployed by the contractor. It shall be the sole responsibility of the contractor to make payment to the said personnel / workers in time as per the Minimum Wage Act and the contractor shall at all time keep NIT Raipur indemnified against any claim from its personnel / workers in this regard.
- (c) The contractor shall be solely responsible for any cost and consequences on account of any breach and / or non-compliance of any of the provisions of the Labour Laws. The contractor shall indemnify NIT Raipur against any claims / costs / damages and penalties in respect of breach of any of the provisions of the laws in force.
- (d) It shall be the sole responsibility of the contractor to obtain license under different labour laws from the concerned authority(ies).
- (e) The compliance of all statutory laws with respect to the workers or employees engaged by the contractor and their welfare will be the sole responsibility of the contractor.
- (f) It shall be the responsibility of the contractor to comply with all the liabilities arising out of any provisions of Labour Acts / Enactments hitherto in force or enacted from time to time during the execution of this Service Contract.

- (g) All records, documents under various statutory provisions maintained by the contractor shall be open for inspection by an authorized representative of NIT Raipur / 3rd party authorized by NIT Raipur / to any law abiding Government Agency and the contractor shall produce the same as and when required for inspection.
- (h) It shall be the responsibility of the contractor to provide Canteen, Medical and/or Transport Facility to his personnel if required by any enactments.
- (i) It shall be the responsibility of the contractor to pay any compensation or damage for the injury sustained by any contract labour or employee during the performance of their duties. This also applies to any damage or compensation due to any dispute between them.
- (j) Any expenditure incurred by NIT Raipur to handle such situations or those arising out of the conduct of deployed personnel or otherwise shall be deducted from the bills / performance guarantee of the contractor.

13. LOCAL CONDITIONS

It will be the sole responsibility of each bidder to fully acquaint him with all the local conditions and factors, which could have any effect on the performance of the contract and/or the cost.

14. INDEMNITIES AND LIABILITIES

- (a) The contractor shall indemnify and protect the purchaser from and against all actions, suits, proceedings, losses, costs, damages, charges, claims and demands of every nature and description brought against or recovered from NIT Raipur by reasons of any act or omission of the contractor/his agents or employees, in the execution of the works or in the guarding of the same.
- (b) The contractor shall indemnify NIT Raipur against any claims, damages, loss or penalty including costs thereof in case of liability arising out of any accident/incident/theft involving manpower deployed by him.
- (c) NIT Raipur will not be responsible in any way for any injury sustained by contractor's personnel during the performance of its/their duties and also any damage or compensation due to any dispute between the contractor and his employees.
- (d) Any expenditure incurred by NIT Raipur to handle the situation arising out of injury of contractor's personnel during work or the conduct of the personnel deployed by the contractor will be deducted from Security Deposit/Performance Guarantee/Bills of the contractor/Service Provider.
- (e) Contractor shall also indemnify NIT Raipur against enforcement of any acts, laws, rules and/or regulations (including Labour Laws) and amendments enacted from time to time thereto by any Central/State/Local or Municipal Authorities.
- (f) Contractor shall indemnify NIT Raipur against third party claims arising out of equipment malfunctioning / mishandling on the part of employees of the contractor.
- (g) Contractor shall also indemnify to reimburse any loss or damage by his personnel to NIT Raipur personnel or property including machinery, equipment or buildings. In case, any such amount is not deposited/paid to NIT Raipur, the same shall be deducted from Security Deposit/Performance Guarantee/Bills/Future payments due to the contractor.

- (h) Total financial liabilities of the contractor arising out of breach of contractual obligations shall not exceed the value of contract. However, any liabilities arising out of breach of any obligation(s) commonly applicable in Indian or International law or regulation or intellectual property right infringements etc shall not be limited by this agreement and the contractor shall be solely and completely responsible for any such violation on his part and be liable to pay full cost of damage.

15. INSURANCE

NIT Raipur shall not arrange for any "Transit Insurance" and the supplier shall be responsible till the entire goods contracted, arrive in good condition at the destination site. Contractor shall, at his own cost, unconditionally replace / rectify the goods lost / damaged / found defective on inspection to the entire satisfaction of NIT Raipur within 45 days from the date of receipt of intimation from NIT Raipur.

16. EXIT CLAUSE / TERMINATION OF CONTRACT

In case of non-initiation of work or non-performance / breach of the clauses of this contract, NIT Raipur would issue a written notice of 30 days to the party to perform / rectify the breach failing which NIT Raipur shall be at liberty to terminate the Purchase Order / Work Order / Contract by providing 30 days written notice to the party and arrange procurement from alternate sources at the successful Bidder's risk & cost. In such event, the terminated party shall have no right to claim compensation/damages etc from NIT Raipur on account of early termination

17. PRICES

- (a) All Prices shall be in Indian Rupees and no foreign exchange / import license shall be provided. The prices should be all inclusive as mentioned in Chapter-I: Instructions to Bidders.
- (b) However, the bidder is advised to explicitly mention tax and duty rate percentages etc. separately. In case of change in any duty or tax on account of change in rules / legislation by the Government, the actual rates as applicable at the time of supply shall be payable only for taxes and duties which are clearly stated as percentages in the offer and firms will not be reassessed for lowest due to change in taxes.
- (c) Quoted prices shall remain firm for the period of validity of the offer.
- (d) CCC, NIT Raipur reserves the right to place order for a part item / combination of the quantity offered. The unit rates offered by the bidders shall be valid for any such part order.

18. FIRM PRICES

The rates quoted by the bidder in the bids shall be fixed for a period of 12 months from the date of submission of bids. The bid price must be quoted in Indian Rupees. The bid price must be quoted in Indian Rupees.

19. ACCEPTANCE OF PURCHASE ORDER

Prior to the expiry of bid validity, the successful bidder shall be notified by post / fax / e-mail. Within 05 days of the award of the contract the successful bidder shall send his / her acceptance of the purchase order along with the performance cum guarantee warranty bond.

20. ONE BID PER BIDDER

Each bidder shall submit only one bid in this tender. Bidder submitting more than one bid shall be disqualified from participating in the tender

21. BIDDING BY CONSORTIUM

Bidding by consortium is not allowed in this tender.

22. ON COMMENCEMENT OF JOB / SERVICES

The contractor shall supply the various items and provide the required service as per the requirement in the schedule of requirements and scope of work section of the tender. The complete responsibility for providing services as per the terms of the tender shall be with the contractor. The contractor shall be solely responsible for the acts and deeds of the personnel deployed by him for the services. NIT Raipur will, in no way, be responsible for violation of any rules / regulations / instructions / laws of the concerned agencies and/ or for any loss or damage caused by the personnel of the contractor, to NIT Raipur and/or third party staff and/or property and any such loss or damage shall have to be compensated/borne by the contractor. The contractor shall be responsible for engaging adequate manpower in accordance with the work defined in the schedule / scope of work so that the continuity of work is maintained and the work is completed within time. Contractor's responsibilities shall include but shall in no way be limited to supervision of personnel provided by the contractor, verification of antecedents of the contractor's personnel, quality and timely completion of work by the contractor's personnel.

23. PROBLEM RESOLUTION METHOD

If the bidder is notified in writing of a problem he shall act appropriately to resolve the same in reasonable time.

24. DELIVERY CONDITIONS

All supply items in the work order must be delivered within 90 days.

NIT reserves the right to change the quantity, locations, delivery schedule for the equipment without imposing LD.

25. LIQUIDATED DAMAGES FOR DELAY IN DELIVERY

Any delay by the contractor 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 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 bidder then in such condition LD shall not be imposed. However, prior written information has to be provided for the same.

26. GUIDELINES FOR REASONABLE UNIFORMITY

All the server nodes, storage nodes, and high-end compute nodes should be from the same Manufacturer. All desktops should be from the same manufacturer or identical in all respects. Active components of the high-speed HPC interconnect solution must be from the same manufacturer.

27. WARRANTY

Three years OEM Onsite NBD resolution warranty for all server nodes, storage nodes, high-end compute nodes
Three years comprehensive on-site warranty for PCs.
The form for offering warranty by the Bidder is enclosed.

28. PERFORMANCE & SLA TERMS

The HPC system has to remain operational on a 24 x 7 x 365 basis. Contractor shall make all possible arrangements to ensure that no server / storage / high-end compute node should be down for more than 48 consecutive hours and no desktop for more than 24 hours. Fine can be imposed by the CCC for non-functioning beyond stated durations at the rate of Rs. 1000/- for each successive 24 hours downtime in the server and Rs. 250/- for each successive 24 hours downtime in the desktops. For other active components, the fine shall be Rs. 1000/- for each successive 24 hours downtime.

29. INCOME TAX

- (a) Income tax shall be deducted at source by NIT Raipur from all the payments made to bidder according to the Income tax Act, unless the bidder prior to the release of payment submits valid and complete documents for Income tax exemption.
- (b) A certificate shall be provided by NIT Raipur to the bidder for any tax deducted at source.

30. VARIATION OF QUANTITIES

Actual quantities of items and jobs work are subject to variation on either side for all components, subject however to a total price impact of 10% on the work order value. However, only the indicative ballpark quantities mentioned in the price schedule shall be considered by the bidders for preparing the price bids and by NIT Raipur for tender. The payment for this variation in supply and installation quantities shall be made on a proportional (pro-rata) basis. No separate work order or supplementary order or amendment etc. shall be issued by NIT Raipur for any additional items over and above the initial work order supplied and installed under this contract subject to the ceiling mentioned herein. However, the written approval / concurrence of the CCC through e-mail / hardcopy shall be required before supplying and installing any additional items under this contract.

31. BILL SUBMISSION

Bills shall be submitted in triplicate to the Central Computer Centre. On successful inspection, the CCC shall forward the bills with appropriate payment recommendation to the accounts section for realization of payment.

32. PAYMENT TERMS AND CONDITIONS

- (i) 75% of contract value on completion of supplies. If the actual invoices for the items supplied are less than 80% of the contract value, a bank guarantee for the differential amount may be submitted for realization of the payment.

A random sample of the systems shall be POST tested for payment recommendation at this stage.

However, if any system is found defective at any stage till issue of commissioning certificate, it shall be replaced by the contractor free of cost. During the warranty period, the item may be replaced / repaired as needed free of cost in terms of the warranty.

- (ii) 25% of initial work order value AND pro-rata payment for any additional supply (in accordance with the Variation of Quantities clause) on completion of project and issue of final commissioning certificate by the Committee comprising of CCC members.

All the payments shall normally be made by the Accounts Section of NIT Raipur within 15 days of payment recommendation of CCC.

33. PROJECT COMPLETION AND ACCEPTANCE

The contractor will have to complete the project as per the initial work order in accordance with the scope as mentioned in this document within 105 days from the date of issue of work order. Project shall be treated as complete on the completion of commissioning/testing of HPC, training on administering and handling HPC cluster, interconnect, etc. handover of software media and licenses, and installation/testing of desktops.

34. SETTLEMENT OF DISPUTES THROUGH ARBITRATION AND JURISDICTION

- (a) NIT Raipur and the contractor shall make every effort to resolve amicably by direct informal negotiation any disagreement or dispute arising between them under or in connection with the Contract.
- (b) If even after thirty (30) days from the commencement of such informal negotiations, NIT Raipur and the contractor are unable to amicably resolve the dispute, either party may require that the dispute be referred for resolution to The Director, National Institute of Technology, Raipur, as single party Arbitrator in accordance with the Arbitration and Conciliation Act, 1996. Decision of arbitrator shall be final and binding to all parties.
- (c) All Arbitration proceedings shall be held at NIT Raipur, Chhattisgarh, and the language of the arbitration proceedings and that of all documents and communications between the parties shall be in English.
- (d) Jurisdiction: The High Court of Chhattisgarh at Bilaspur has exclusive jurisdiction to determine any proceeding or arbitration award in relation to the Contract.

35. FORCE MAJEURE CONDITIONS

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 non-performance 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.

36. CONTRACT FORM:

- (a) A suitable contract agreement shall be signed before starting the work.
- (b) Successful bidder shall be required to enter into a contract with the Institute after the issue of the work order.
- (c) Submission of the bid against this open tender enquiry by a bidder implies that the bidder is in full agreement with the terms and conditions mentioned in this tender document.
- (d) The successful bidder shall be required to affix his signature and seal on each page of this tender document and submit the same as proof of having accepted the terms and conditions mentioned herein.
- (e) The contract with the successful bidder will be on Rs. 100/- stamp paper and shall contain the terms and conditions mentioned under the different chapters and sections of this tender document.

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CHAPTER – III: SCHEDULE OF REQUIREMENTS**(Including Scope of Work)**

S. No.	Description	Qty	UoM
Section I: HPC			
1	Master node, as per mentioned technical specifications	1	Nos
2	Compute node, as per mentioned technical specifications	55	Nos
Compute Acceleration Nodes			
3	Xeon Phi Node, as per mentioned technical specifications	2	Nos
4	Tesla Node, as per mentioned technical specifications	4	Nos
5	Nallatech Node, as per mentioned technical specifications	2	Nos
6	Visualization Node, as per mentioned technical specifications	2	Nos
I/O Nodes			
7	PFS I/O Node, as per mentioned technical specifications	2	Nos
PFS Storage			
8	PFS Storage, as per mentioned technical specifications	1	Nos
HPC Interconnect			
9	HPC Interconnect Switches, as per mentioned technical specifications	5	Nos
Development Environment			
10	Latest Intel Parallel Studio XE Cluster Edition for Linux OS, floating license, 2 seats, academic use, 3 years support	1	Nos
Section II: Desktop PCs			
11	Desktop PCs as per mentioned technical specifications	365	Nos
Section III: Service Components			
12	Installation, Testing, Integration & Commissioning of HPC including Installation of Intel Parallel Studio and other Software	1	Lot
13	Basic Training on HPC & Storage Administration (2-days)	1	Lot
14	Installation Testing of Desktop PCs	1	Lot

SCOPE OF WORK

The bidder has to supply, install, integrate, test and commission the HPC system (S.Nos. 1-10) and supply Desktop PCs (S.No. 11) in accordance with the technical specifications mentioned in this document. Other accessories like Ethernet switches etc. shall be provided by the Institute.

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CHAPTER IV: SPECIFICATION AND ALLIED TECHNICAL DETAILS**TECHNICAL SPECIFICATIONS**

All the network switches and their accessories shall be from the same manufacturer. All wireless components shall be from the same manufacturer. Racks and its accessories shall be from the same manufacturer.

Section I: HPC**1. Master Node:**

S. No.	Component	Master Node - Quantity 1	Compliance Y/N
1	Processor	2 x Intel® Xeon® Processor E5-2620 v4 or higher	
2	On System Management Chipset	Remote management controller with dedicated 1 Gbit/s port with remote media & video redirection feature. OEM server hardware management tool with the following features • Should support unattended, local & remote installation & RESTful API integration • Event management, threshold management, asset management & performance management. • Prefailures with analysis, automatic system recovery & restart. • Monitoring and power control consumption • Update management (BIOS & firmware), online diagnostics • Single sign-on & RBAC should be provided • Power Consumption Monitoring, Power Consumption Control should be provided. • Power Consumption history for atleast 1 year should be available. • Drivers & firmwares should be available for free till the complete life of the server	
3	Memory	2 x 32 GB DDR4 2400 MHz registered ECC memory with 24 DIMM slots	
4	Expansion Slots	2 x PCIe Gen 3.0 x8 (mechanical & electrical), 2 x PCIe Gen 3.0 x16 (mechanical & electrical); all slots must be on the motherboard without the use of riser cards, 5 x USB 3.0 (at least 2 in front & 2 in back)	
5	RAID Controller	Support for flexible array controller with supported RAID levels 0, 1 for SATA, SAS HDD & SSD	
6	Internal Storage Devices	Internal 8x Supermulti DVD-RW drive	
		Minimum 8 hot-plug HDD bays populated with 1 x 2 TB hot-plug 7.2K rpm 512n enterprise SATA HDD	

7	Network Controller	2 x 1 Gbps ethernet ports, 1 x 100 Gbps port	
8	Form Factor	1U rack-mount with rail kit	
9	Power Supply & Fans	Maximum 2 x 450W 80 PLUS Platinum hot-plug power supplies with minimum 8 redundant hot-plug fans	
10	Operating System	Open source Linux distribution	
11	Cluster Middleware	Cluster middleware including cluster deployment & management, workload manager, scientific libraries, parallel libraries, compilers, etc.	
12	Compliance	CE, CSA, FCC / NMB Class A, ASHRAE Class A3, RoHS	

2. Compute Node:

S. No.	Component	Intel® Xeon® Compute Node - Quantity 55	Compliance Y/N
1	Processor	2 x Intel® Xeon® Processor E5-2650 v4 or higher	
2	On System Management Chipset	Remote management controller with dedicated 1 Gbit/s port with remote media & video redirection feature. OEM server hardware management tool with the following features • Should support unattended, local & remote installation & RESTful API integration • Event management, threshold management, asset management & performance management. • Prefailures with analysis, automatic system recovery & restart. • Monitoring and power control consumption • Update management (BIOS & firmware), online diagnostics • Single sign-on & RBAC should be provided • Power Consumption Monitoring, Power Consumption Control should be provided. • Power Consumption history for atleast 1 year should be available. • Drivers & firmwares should be available for free till the complete life of the server	
3	Memory	4 x 32 GB DDR4 2400 MHz registered ECC memory with 24 DIMM slots	

4	Expansion Slots	2 x PCIe Gen 3.0 x8 (mechanical & electrical), 2 x PCIe Gen 3.0 x16 (mechanical & electrical); all slots must be on the motherboard without the use of riser cards, 5 x USB 3.0 (at least 2 in front & 2 in back)	
5	RAID Controller	Support for flexible array controller with supported RAID levels 0, 1 for SATA, SAS HDD & SSD	
6	Internal Storage Devices	Offered system should support internal 8x Supermulti DVD-RW drive	
		1 x 960 GB enterprise SSD with minimum 3 drive writes per day for 5 years, offered system should be scalable upto 8 hot-plug HDD bays	
7	Network Controller	2 x 1 Gbps ethernet ports, 1 x 100 Gbps port	
8	Form Factor	1U rack-mount with rail kit	
9	Power Supply & Fans	Maximum 2 x 450W 80 PLUS Platinum hot-plug power supplies with minimum 8 redundant hot-plug fans	
10	Operating System	Open source Linux distribution	
12	Compliance	CE, CSA, FCC / NMB Class A, ASHRAE Class A3, RoHS	

3. Xeon Phi Node:

S. No.	Component	Dense Rack - Quantity 1	Compliance Y/N
1	Form Factor	2U rack-mount with rail kit, should support upto 4 nos. of 64-bit x86 server nodes	
2	Power Supply	Maximum 2 x 1600W 80 PLUS Platinum hot-plug power supplies with minimum 4 redundant fans	
3	Warranty	3 years OEM ONSITE NBD resolution warranty	
S. No.	Component	Intel® Xeon® Phi™ Compute Node - Quantity 2	Compliance Y/N
4	Processor	2 x Intel® Xeon® Processor E5-2650 v4 or higher	

5	On System Management Chipset	Remote management controller with dedicated 1 Gbit/s port with remote media & video redirection feature. OEM server hardware management tool with the following features • Should support unattended, local & remote installation & RESTful API integration • Event management, threshold management, asset management & performance management. • Prefailures with analysis, automatic system recovery & restart. • Monitoring and power control consumption • Update management (BIOS & firmware), online diagnostics • Single sign-on & RBAC should be provided • Power Consumption Monitoring, Power Consumption Control should be provided. • Power Consumption history for atleast 1 year should be available. • Drivers & firmwares should be available for free till the complete life of the server	
6	Memory	4 x 32 GB DDR4 2400 MHz registered ECC memory with 16 DIMM slots	
7	Expansion Slots	4 x PCIe Gen 3.0 x16 (mechanical & electrical), 2 x USB 3.0	
8	Coprocessor	1 x Intel® Xeon Phi™ 7120P with provision to add 2nd Xeon® Phi™ as future upgrade	
9	RAID Controller	Support for flexible array controller with supported RAID levels 0, 1 for SATA, SAS HDD & SSD	
10	Internal Storage Devices	1 x 960 GB enterprise SSD with minimum 3 drive writes per day for 5 years, offered system should be scalable upto 6 hot-plug HDD bays	
11	Network Controller	2 x 1 Gbps ethernet ports, 1 x 100 Gbps port	
12	Operating System	Open source Linux distribution	
13	Compliance	CE, CSA, FCC / NMB Class A, ASHRAE Class A3, RoHS	
14	Warranty	3 years OEM ONSITE NBD resolution warranty	

4. Tesla Node:

S. No.	Component	Dense Rack - Quantity 1	Compliance Y/N
1	Form Factor	2U rack-mount with rail kit, should support upto 4 nos. of 64-bit x86 server nodes	
2	Power Supply	Maximum 2 x 1600W 80 PLUS Platinum hot-plug power supplies with minimum 4 redundant fans	
3	Warranty	3 years OEM ONSITE NBD resolution warranty	

S. No.	Component	NVIDIA® Tesla® Compute Node - Quantity 4	Compliance Y/N
4	Processor	2 x Intel® Xeon® Processor E5-2650 v4 or higher	
5	On System Management Chipset	Remote management controller with dedicated 1 Gbit/s port with remote media & video redirection feature. OEM server hardware management tool with the following features • Should support unattended, local & remote installation & RESTful API integration • Event management, threshold management, asset management & performance management. • Prefailures with analysis, automatic system recovery & restart. • Monitoring and power control consumption • Update management (BIOS & firmware), online diagnostics • Single sign-on & RBAC should be provided • Power Consumption Monitoring, Power Consumption Control should be provided. • Power Consumption history for atleast 1 year should be available. • Drivers & firmwares should be available for free till the complete life of the server	
6	Memory	4 x 32 GB DDR4 2400 MHz registered ECC memory with 16 DIMM slots	
7	Expansion Slots	4 x PCIe Gen 3.0 x16 (mechanical & electrical), 2 x USB 3.0	
8	GPU Accelerator	1 x NVIDIA® Tesla® K80 with provision to add 2nd NVIDIA® Tesla® as future upgrade	
9	RAID Controller	Support for flexible array controller with supported RAID levels 0, 1 for SATA, SAS HDD & SSD	
10	Internal Storage Devices	1 x 960 GB enterprise SSD with minimum 3 drive writes per day for 5 years, offered system should be scalable upto 6 hot-plug HDD bays	
11	Network Controller	2 x 1 Gbps ethernet ports, 1 x 100 Gbps port	
12	Operating System	Open source Linux distribution	
13	Compliance	CE, CSA, FCC / NMB Class A, ASHRAE Class A3, RoHS	
14	Warranty	3 years OEM ONSITE NBD resolution warranty	

5. Nallatech Node:

S. No.	Component	Nallatech Compute Node - Quantity 2	Compliance Y/N
1	Processor	1 x Intel® Xeon® Processor E5-1660 v4 (20M Cache, 3.20 GHz) or higher	

2	On System Management Chipset	Remote management controller with dedicated 1 Gbit/s port with remote media & video redirection feature. OEM server hardware management tool with the following features • Should support unattended, local & remote installation & RESTful API integration • Event management, threshold management, asset management & performance management. • Prefailures with analysis, automatic system recovery & restart. • Monitoring and power control consumption • Update management (BIOS & firmware), online diagnostics • Single sign-on & RBAC should be provided • Power Consumption Monitoring, Power Consumption Control should be provided. • Power Consumption history for atleast 1 year should be available. • Drivers & firmwares should be available for free till the complete life of the server	
3	Memory	2 x 32 GB DDR4 2400 MHz registered ECC memory with 8 DIMM slots	
4	Expansion Slots	1 x PCIe Gen 3.0 x8 (mechanical x16), 1 x PCIe Gen 3.0 x16 (mechanical & electrical); all slots must be on the motherboard without the use of riser cards, 5 x USB 3.0 (at least 2 in front & 2 in back)	
4	FPGA Coprocessor	1 x Nallatech 510T™ FPGA Coprocessor	
5	RAID Controller	Support for flexible array controller with supported RAID levels 0, 1 for SATA, SAS HDD & SSD	
6	Internal Storage Devices	Offered system should support internal 8x Supermulti DVD-RW drive	
		Minimum 4 cold-plug HDD bays populated with 1 x 2 TB cold-plug 7.2K rpm enterprise SATA HDD with native command queuing	
7	Network Controller	2 x 1 Gbps ethernet ports, 1 x 100 Gbps port	
8	Form Factor	1U rack-mount with rail kit	
9	Power Supply & Fans	Maximum 800W 80 PLUS Platinum power supply with fans	
10	Operating System	Open source Linux distribution	
11	Compliance	CE, FCC / NMB Class A, ASHRAE Class A3, RoHS	
12	Warranty	3 years OEM ONSITE NBD resolution warranty	

6. Visualization Node:

S. No.	Component	Visualization Node - Quantity 2	Compliance Y/N
1	Processor	2 x Intel® Xeon® Processor E5-2650 v4 or higher	
2	On System Management Chipset	Remote management controller with dedicated 1 Gbit/s port with remote media & video redirection feature. OEM server hardware management tool with the following features • Should support unattended, local & remote installation & RESTful API integration • Event management, threshold management, asset management & performance management. • Prefailures with analysis, automatic system recovery & restart. • Monitoring and power control consumption • Update management (BIOS & firmware), online diagnostics • Single sign-on & RBAC should be provided • Power Consumption Monitoring, Power Consumption Control should be provided. • Power Consumption history for atleast 1 year should be available. • Drivers & firmwares should be available for free till the complete life of the server	
3	Memory	4 x 32 GB DDR4 2400 MHz registered ECC memory with 24 DIMM slots	
4	Expansion Slots	3 x PCIe Gen 3.0 x8 (mechanical & electrical), 3 x PCIe Gen 3.0 x16 (mechanical & electrical); all slots must be on the motherboard without the use of riser cards, 5 x USB 3.0 (at least 2 in front & 2 in back), 5 x USB 2.0	
5	GPU	1 x NVIDIA® Quadro® M4000 with 8 GB GDDR5 memory with provision to add 2nd NVIDIA® Quadro® M4000 as future upgrade	
6	RAID Controller	Support for flexible array controller with supported RAID levels 0, 1 for SATA, SAS HDD & SSD	
7	Internal Storage Devices	Offered system should support internal 8x Supermulti DVD-RW drive	
		1 x 960 GB enterprise SSD with minimum 3 drive writes per day for 5 years, offered system should be scalable upto 8 hot-plug HDD bays	
8	Network Controller	2 x 1 Gbps ethernet ports, 1 x 100 Gbps port	
9	Form Factor	2U rack-mount with rail kit	
10	Power Supply & Fans	Maximum 2 x 800W 80 PLUS Platinum hot-plug power supplies with minimum 5 redundant hot-plug fans	

11	Operating System	Open source Linux distribution	
12	Compliance	CE, CSA, FCC / NMB Class A, ASHRAE Class A3, RoHS	

7. PFS I/O Node:

S. No.	Component	PFS I/O Node - Quantity 2	Compliance Y/N
1	Processor	2 x Intel® Xeon® Processor E5-2620 v4 or higher	
2	On System Management Chipset	Remote management controller with dedicated 1 Gbit/s port with remote media & video redirection feature. OEM server hardware management tool with the following features • Should support unattended, local & remote installation & RESTful API integration • Event management, threshold management, asset management & performance management. • Prefailures with analysis, automatic system recovery & restart. • Monitoring and power control consumption • Update management (BIOS & firmware), online diagnostics • Single sign-on & RBAC should be provided • Power Consumption Monitoring, Power Consumption Control should be provided. • Power Consumption history for atleast 1 year should be available. • Drivers & firmwares should be available for free till the complete life of the server	
3	Memory	2 x 32 GB DDR4 2400 MHz registered ECC memory with 24 DIMM slots	
4	Expansion Slots	2 x PCIe Gen 3.0 x8 (mechanical & electrical), 2 x PCIe Gen 3.0 x16 (mechanical & electrical); all slots must be on the motherboard without the use of riser cards, 5 x USB 3.0 (at least 2 in front & 2 in back)	
5	RAID Controller	Support for flexible array controller with supported RAID levels 0, 1 for SATA, SAS HDD & SSD	
6	Internal Storage Devices	Internal 8x Supermulti DVD-RW drive	
		Minimum 8 hot-plug HDD bays populated with 1 x 2 TB hot-plug 7.2K rpm 512n enterprise SATA HDD	
7	Network Controller	2 x 1 Gbps ethernet ports, 1 x 100 Gbps port, 2 x 16 Gbps FC ports	

8	Form Factor	1U rack-mount with rail kit	
9	Power Supply & Fans	Maximum 2 x 450W 80 PLUS Platinum hot-plug power supplies with minimum 8 redundant hot-plug fans	
10	Operating System	Open source Linux distribution	
11	Parallel File System	Open source parallel file system	
12	Compliance	CE, CSA, FCC / NMB Class A, ASHRAE Class A3, RoHS	

8. PFS Storage:

S. No.	Component	PFS Storage - Quantity 1	Compliance Y/N
1	Storage Controller	The storage system shall have a dual controller configuration running in an active-active mode with automatic failover capabilities in case of one controller failure. It should support NAS & SAN Simultaneously without NAS gateway. The storage system shall not be a re-branded or re-christened make of another OEM. Only the model of the server OEM can be offered.	
2	Controller Cache Requirements	The system should be provided with 8 GB cache across the two controllers (4 GB per controller). It should have the ability to protect data on cache. Cache should be mirrored & battery / Super capacitors backed. Cache backup should be at least 72 hours.	
3	Raid Level Support	The Storage system should support RAID Levels 0, 1, 5, 6, 10 & 50	
4	Host Interface Protocols	Storage should support FC, iSCSI, SAS, FCoE, NFS & CIFS protocols	
5	Host Interface Ports	The Storage system should be provided with 4 x 16 Gbps FC ports across the controllers alongwith 4 x 5m LC-LC MMF OM4 cables	
6	Drive Technology Support	The storage system should support 2.5" & 3.5" SAS, SATA HDD & SSD. The storage system should have support for 12 Gbit/s SAS drives.	
7	Storage Scalability	The storage system should be scalable to 120 drives or higher. Atleast two nos. of 12 Gbps backend ports for attaching disk expansion enclosures should be offered.	

		Proposed storage should support data in place upgrade to highest storage model in same family. No data migration shall be required when upgrading to next model.	
8	Storage Capacity	The storage system should be offered 85 TB useable capacity with RAID 6 (6D:2P). Drive type & capacity to be clearly mentioned in offer	
9	Storage Features	The storage support creation logical volumes without physical capacity being available (Thin Provisioned) or in other words system should allow over-provisioning of the capacity. This feature should be made available for the maximum supported capacity.	
		Proposed storage should support multiple full copies of production data for recovery, testing, backup, or report generation.	
		Proposed storage should support point-in-time snapshots. Licenses should be provided with maximum supported storage capacity	
		The proposed storage should support automated quality of service feature for SAN where admin can specify the response of each LUN & storage will automatically adjust the parameters to achieve the response	
		The storage system should provide support for host multipathing drivers	
10	Management	Easy to use GUI based & web enabled administration interface for configuration, storage management.	
		Storage management software must be intuitive, browser-based user interface that configures & manages SAN & NAS environment using single GUI	
		Storage should be provided with System management tools Web GUI, CLI, SNMP, SMI-S, IPV6, Email notification, wake on LAN	
		Should offer real time performance monitoring tools giving information on CPU utilization, volume throughput, I/O rate & latency.	
		Storage management software must be able to manage access controls, user accounts & permission roles	

11	OS Support	Support for industry-leading operating system platforms including: HP-UX, IBM-AIX, Microsoft Windows, LINUX, SUN Solaris, Vmware	
12	Built in Redundancy	Offered system shall have full redundant & hot swappable fans & power supplies. There shall be support for non disruptive microcode updates & non disruptive parts replacement.	
13	Rack Mountable	4U rack-mount with rail kit	
14	Compliance	CE, CSA, FCC / NMB Class A, RoHS	

9. HPC Interconnect:

S. No.	Component	100 Gbps Switch - Quantity 5	Compliance Y/N
1	100 Gbps ports	48 ports with suitable cables (Solution should be spread across 7 - 8 racks)	
2	Total System Bandwidth	1.2 TBps or higher	
3	Fans	Minimum 1 reversible fan modules or higher	
4	Rack Mountable	1U rack-mount with rail kit	
5	Compliance	FCC / NMB Class A, RoHS	
6	Warranty	Three years OEM ONSITE NBD warranty	

10. Development Environment

Intel Parallel Studio XE Cluster Edition
 Operating System: Linux
 License Type: Floating
 Number of Seats: 2
 Use Type: Academic
 Years of Support: 3

Section II: Client Access Systems

1. Desktop PCs:

S.No.	Component	Technical Specification	Compliance (Yes/No)
1	Processor	A8 7600	
2	Motherboard	A78 chipset	
3	Memory	1*8GB at least 1600MHz DDR3 SDRAM; Minimum 2 DIMM Slots on the Motherboard expandable upto 16GB	
4	Hard Disk Drive	1TB 7200 rpm SATA III (6 Gb/s) with 64MB Cache Buffer	

Tender for Supply, Installation, Testing and Commissioning of Computational Systems

5	Hard Disk Controller	Integrated On-Board Hard Disk Controller supporting Serial ATA Interfaces	
6	Monitor	18.5" Wide TFT Monitor. Resolution: 1360*768	
7	Power Supply	Min 250W SMPS	
8	Key Board	USB / PS2 104 Keys or more Multimedia Keyboard	
9	Mouse	USB/PS2 Optical Scroll Mouse	
10	Network Card	Integrated on board Ethernet Controller 10/100/1000 with PXE support and Remote wake up	
11	Interfaces	2 USB 2.0, 2 USB 3.0, Audio Ports	
12	Expansion Slots	Total 2 PCI series slots with at least 1PCIe x16 slot.	
13	Cabinet	MATX Cabinet with at least following bays (1x5.25" External, 2 x 3.5" bays)	
14	Audio	Integrated on board audio controller (6 channel ALC 662 or higher)	
15	Operating System	Linux. The system shall be used for academic purpose only.	
16	Warranty	3 years comprehensive onsite warranty	

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CHAPTER 5: PRICE SCHEDULE**(To be utilised by the bidders for quoting their prices)****Section A: Format for submission of Price bid**

S. No.	Description	Qty	UoM	Make	Model	Part No.	Unit Rate	Taxes	Total Unit Price	Total Cost
Section I : HPC										
1	Master node, as per mentioned technical specifications	1	Nos							
2	Compute node, as per mentioned technical specifications	55	Nos							
Compute Acceleration Nodes										
3	Xeon Phi Node, as per mentioned technical specifications	2	Nos							
4	Tesla Node, as per mentioned technical specifications	4	Nos							
5	Nallatech Node, as per mentioned technical specifications	2	Nos							
6	Visualization Node, as per mentioned technical specifications	2	Nos							
I/O Nodes										
7	PFS I/O Node, as per mentioned technical specifications	2	Nos							
PFS Storage										
8	PFS Storage, as per mentioned technical specifications	1	Nos							
HPC Interconnect										
9	HPC Interconnect Switches, as per mentioned technical specifications	5	Nos							
Development Environment										
10	Latest Intel Parallel Studio XE Cluster Edition for Linux OS, floating license, 2 seats, academic use, 3 years support	1	Nos							
Section II: Client Access Systems										

Tender for Supply, Installation, Testing and Commissioning of Computational Systems

11	Desktop PCs as per mentioned technical specifications	365	Nos							
Section III: Service Components										
12	Installation, Testing, Integration & Commissioning of HPC including installation of Intel Parallel Studio	1	Lot							
13	Basic Training on HPC & Storage Administration (2-days)	1	Lot							
14	Installation Testing of Desktop PCs	1	Lot							

OVERALL QUOTE FOR THE QUANTITIES OF THE ACTIVE, PASSIVE & SERVICE COMPONENTS MENTIONED IN CHAPTER – III & IV

S.No.	Components	Cost Inclusive of Taxes in INR
1	Total Cost of Section I: HPC (S.Nos. 1-10)	
2	Total Cost of Section II: Desktops (S.Nos. 11)	
3	Total Cost of Section III: Service Components (S.Nos. 12-14)	
4	Other Charges (if any), please specify in brief	
5	Grand Total of Complete End to End Solution Comprising of all the components enumerated above	
In Words: Rupees “		” only.

Note: The price bid evaluation of the technically qualified bidders shall be done on the basis of the Grand Total of Complete End to End Solution i.e., S. No. 5 of the above table.

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CHAPTER 6: CONTRACT FORM

- (a) A suitable contract agreement shall be signed before starting the work.
- (b) Successful bidder shall be required to enter into a contract with the Institute after the issue of the work order.
- (c) Submission of the bid against this open tender enquiry by a bidder implies that the bidder is in full agreement with the terms and conditions mentioned in this tender document.
- (d) The successful bidder shall be required to affix his signature and seal on each page of this tender document and submit the same as proof of having accepted the terms and conditions mentioned herein.
- (e) The contract with the successful bidder will be on Rs. 100/- stamp paper and shall contain the terms and conditions mentioned under the different chapters and sections of this tender document.

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CHAPTER-VII: OTHER FORMS TO BE SUBMITTED

Form 1: BIDDER'S SELF INFORMATION FORM

S.No.	Information	Details		
1.	Tender Enquiry No. and Date			
2.	Bidder's Reference No. and Date			
3.	Name of firm			
4.	Address of firm			
5.	Telephone No.			
6.	Fax No.			
7.	E-mail Id:			
8.	Website, if any			
9.	*Permanent Account No:			
10.	*Sales Tax Registration No.			
11.	*Service Tax Registration No.			
12.	*Financial turnover of 2013-2014	<i>In INR in figures as well as words</i>		
13.	*Financial turnover of 2014-2015	<i>In INR in figures as well as words</i>		
14.	*Financial turnover of 2015-2016	<i>In INR in figures as well as words</i>		
15.	Details of the authorized signatory of the bidder including name, designation and Postal address with telephone, mobile, fax and email (Add rows to include all authorized signatories)		(Affix authorized signatory's signature in this space)	(Affix authorized signatory's recent coloured passport size photo in this space)
17.	Details of the officer (Bidder's Project Manager for this project) to whom all references shall be made regarding this tender enquiry including name, designation and postal address with telephone, mobile, fax and email		(Affix officer's signature in this space)	(Affix officer's recent coloured passport size photo in this space)
18.	Bid Processing fee Details			
19.	EMD Details			

*Attach Attested Copies

Date: _____ **Signature:** _____ **Seal of the company**

Name: _____

Designation: _____

Place: _____ **Company:** _____

Form 2: FORM FOR SUBMISSION OF BIDS

NIT Raipur Tender Enquiry No: _____

Due to open on: _____ **at** _____ **(time)**

Bidder's Ref No:

To
The Registrar
NIT Raipur
Chhattisgarh, India

Dear Sir

Having examined the conditions of the contract as specified in the Bid Documents and the Specifications and Allied Technical Details including revisions / amendments / corrections / corrigenda Nos. _____ the receipt of which is hereby duly acknowledged, we the undersigned offer to supply and deliver "SUPPLY, INSTALLATION, TESTING AND COMMISSIONING OF COMPUTATIONAL SYSTEMS" in conformity with the said drawings, conditions of contract, and specifications for the sum of mentioned in the **Price Schedule**, or such other sums as may be ascertained in accordance with the schedule of prices attached herewith and made part of this Bid.

We undertake, if our Bid is accepted to complete delivery of all the ordered items by us specified in the contract within 8-12 weeks from the date of issue of your Purchase Order. If our Bid is accepted, we will furnish the performance guarantee of a Nationalised Bank for a sum not exceeding 10 percent, of the contract sum. We agree to abide by this Bid for a period of 180 days from the date fixed for Bid opening and it shall remain binding upon us and may be accepted at any time before the expiration of that period. Until a formal Purchase Order or contract is prepared and executed this Bid together with your written acceptance thereof in your notification of award shall constitute a binding contract between us. Bid submitted by us is properly sealed and prepared so as to prevent any subsequent alteration and replacement.

We understand that you are not bound to accept any or all bids you may receive.

Date this day of _____

Signature _____

(Name in Block Letters of the Signatory) In
capacity of

Witness

Duly authorised to sign the bid for and on behalf of **(Attach Power of Attorney)**

Address: _____

Signature: _____

FORM 3: MANUFACTURER'S AUTHORIZATION TO BIDDER

We M/s Manufacturer's Name are Manufacturers of product name marketed and sold under the brand name.

Our main office in India is located at Indian office address.

We hereby authorise M/s Bidder's Name & Office Address to represent us, to bid, negotiate and conclude the contract on our behalf with you.

Our authorized bidder M/s Bidder's Name shall quote the items mentioned in the list below manufactured by us in Tender No. _____ dated _____ of your organization.

List of Items Manufactured

- 1.
- 2.
- 3.
- 4.
- 5.

We undertake all of the following:

An authorized representative of the bidding organization and NIT Raipur can log complaints / open support cases directly with us through phone / email / web during the initial and extended warranty periods.

Problems in equipment which cause downtime / degradation of services and resolution of which require development of patches, bug fixes etc. shall be treated by us on urgent basis.

If such equipment has to be taken by us to the factory for repair / replacement we shall arrange an alternative through the bidder, if required, so that service continuity is maintained.

As Manufacturers we shall also be responsible for providing the bidder with necessary products and accessories on time to ensure timely implementation of the project.

We shall ensure that the warranty and service commitments in the tender are met.

We shall ensure the availability of spares for a period of 05 years for the aforementioned items. If applicable, we shall also ensure the availability of software upgrades, if any.

In case of default in execution of the project as per this tender by our authorized bidder M/s Bidder's Name, then we M/s Manufacturer's Name shall provide all necessary assistance for successful completion of this project as per this tender.

Yours faithfully,

(Name)
For and on behalf of
M/s Manufacturer's Name

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Read, Understood and Complied With

Signature of Witness

Manufacturer

Dated:

Place:

Signature of

Dated:

Place:

Note: This authorization letter should be on the letter-head of the manufacturing concern and should be signed by a person not less than the level of regional head/manager.

Form 4: FORM FOR AFTER SALES SERVICE / TECHNICAL ASSISTANCE CENTRES IN INDIA

The service / technical assistance centres in India listed below are fully functional and equipped with spares and skilled manpower for providing satisfactory after sales services of the equipment supplied by us under this contract.

S.no.	Name of equipment	Name of Manufacturer	Nearest Service Centre address	Service Contact person With tel. no. and E-mail ID
1.				
2.				
3.				

Bidder shall quote only those products whose manufactures have their own after sales service / Technical Assistance centre in India.

Form 5: FORM FOR WARRANTY

We warrant that the equipment to be supplied by us hereunder shall be brand new, free from all encumbrances, defects and faults in material workmanship and manufacture and shall be of the highest grade and equally consistent with the established and generally accepted standards for material of the type ordered shall be in full conformity with the specifications, drawings or samples, if any, and shall operate properly. We shall be fully responsible for its efficient and effective operation. This warranty shall survive inspection of and payment for and acceptance of the goods, but shall expire 30 months (to be called warranty period) from after their successful installation and acceptance by the purchaser or warranty period plus 6 months from the date of completion of supply of material.

We also warrant that the function contained in the system software if any will meet the manufacturer's specification together with any clarifications given by us and that the operation of these firmware will be uninterrupted and error free and all software defects, if any will be corrected by us.

The obligations under the warranty expressed above shall include all costs and taxes relating to labour, spares maintenance (preventive and unscheduled) and transport charges from site to manufacturers works and back and for repair/adjustment or replacement at site of any part of equipment which under normal care and proper use and maintenance proves defective in design, material or workmanship or falls to operate effectively and efficiently or conform to the specifications and for which notice is promptly given by the purchaser to the supplier.

Signature of the Witness

Signature of the Bidder

Date:

Seal of the company

Form 6: FORM FOR STATEMENT OF DEVIATIONS FROM TENDER CONDITIONS

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

Clause of Tender	Deviation from the Clause	Remarks (including justification)

Date:

Place:

Signature:

Name:

Designation

Company:

Seal:

Form 7: FORM OF BANK GUARANTEE FOR 5% CONTRACT VALUE FOR CONTRACT PERFORMANCE GUARANTEE BOND

Ref.....

Date

Bank Guarantee No.....

**To
Director
National Institute of Technology
G.E. Road
Raipur.**

1. Against contract vide Advance Acceptance of the Tender No..... datedcovering supply/ installation/commissioning ofhereinafter called the 'Contract'), entered into between the Director, National Institute of Technology, Raipur (hereinafter called the NIT Raipur) and.....(hereinafter called the 'Contractor') this is to certify that at the require of the Contractor we

.....Bank Ltd., are holding in trust in favour of the Director, NIT Raipur, the amount of(write the sum here in words) to indemnify and keep indemnified the Director, NIT Raipur against any loss or damage that may be caused or likely to be caused to or suffered by Director, NIT Raipur by reason of any breach by the Contractor of any of the terms and conditions of the said contract and/or the performance thereof whether any breach of any of the terms and conditions of the said contract and or in the performance thereof has been committed by the Contractor and amount of loss or damage that has been caused or suffered by Director, NIT Raipur shall be final and binding on us and the amount of the said loss or damage shall be paid by us forth with on demand and without demur to Director, NIT Raipur.

2. We,Bank Ltd., further agree that the guarantee herein contained shall remain in full force and effect during the period that would be taken for satisfactory performance and fulfilment in all respects of the said contract by the Contractor i.e. till(viz. the date up to 3 months after the last date of warranty on goods/services supplied under the contract) hereinafter called the "said date" and that if any claim accrues or arises against us,

.....Bank Ltd., by virtue of this guarantee before the said date, the same shall be enforceable against usBank Ltd., notwithstanding the fact that the same is enforced within six months after the said date. Payment under this letter of guarantee shall be made promptly upon our receipt of notice to that effect from Director, NIT Raipur.

3. It is fully understood that this guarantee is effective from the date of the said contract and that we,.....Bank Ltd., undertake not to revoke this guarantee during its currency without the consent in writing of Director, NIT Raipur.

WeBank Ltd., further agree that the NIT Raipur shall have the fullest liberty, without affecting in any manner our obligations hereunder to vary any of the terms and conditions of the said contract or to extend time of performance by the Contractor from time to time or to postpone for any time or from time to time any of the powers exercisable by NIT Raipur against the said Contractor and to forbear or enforce any of the terms and conditions relating to the said contract and WeBank Ltd., shall not be released from our liability under this guarantee by reason of any such variation of extension being granted to the said Contractor or for any forbearance and or omission on

©NIT Raipur

Read, Understood and Complied With

the part of NIT Raipur or any indulgence by NIT Raipur to the said Contractor or by any other matter the effect of so releasing us from our liability under this guarantee.

5. WeBank Ltd., further agree that the guarantee herein contained shall not be affected by any change in the constitution of the said Contractor.

Date.....

Signature

Place

Printed Name.....

Witness

.....
(Designation)

.....
(Bank's Common Seal)

Form 8: FORM FOR SUBMISSION OF SIMILAR WORKS EXECUTED BY BIDDER AS PROOF OF ELIGIBILITY

S.No.	Name of the Client Organization	Project Cost (in lakhs)	Nature of Work	Contact Person Of Client Organization with Name, Designation, E-mail and Mobile Number	Remarks	Purchase order & Work Completion Certificate (Yes/No)

Date:

Place:

Signature:

Name:

Designation

Company:

Seal:

Form 9: FORM FOR PRE-BID CLARIFICATION

Bidder is required to submit e-mail with subject "Pre-bid Clarification" to cccsys@nitrr.ac.in. Bidder should attach two file attachments with this e-mail

- (i) duly-filled table below in editable MS Excel © Spreadsheet, and
- (ii) a scanned copy of this form

If bidder does not comply with aforementioned, or sends beyond the last date for pre-bid clarification as mentioned, such pre-bid queries shall be ignored.

S.No.	Chapter No.	Section No.	Page No.	Clause	Query	Remark
1.						
2.						
3.						
4.						
5.						

Date and Time (IST):

Signature:

Name:

Company:

Contact Number:

Address:

Seal:

Form 10: PRELIMINARY TEST CERTIFICATE**PURCHASE ORDER NO:****DATED:**

Against the above mentioned purchase order. The items detailed below have been received on _____.

Equipment		Description			
S.No.	Physical Check	Power On Test	Firmware / Software		Remarks

Note: A random sample of the active devices shall be POST tested for payment recommendation at this stage. However, if any active device is found not working at any stage till issue of commissioning certificate, it shall be replaced by the contractor free of cost. During the warranty period, the item may be replaced / repaired as needed free of cost or in terms of the warranty.

Witnesses:

Bidder's Representatives

S.No.	Signature	Name	Designation	Date
1.				
2.				
3.				
4.				
5.				

CCC Committee Members

S.No.	Signature	Name	Designation	Date
1.				
2.				
3.				
4.				
5.				

Form 11: FINAL COMMISSIONING CERTIFICATE

Purchase Order No. : _____ Dated: _____

Project Nomenclature : _____

Name and Address of Contractor: _____

Against the above mentioned Purchase Order, the items detailed below have been successfully commissioned after installation and tested. The manuals, documentation, and training as required have also been provided by the vendor as per specification in the PO.

S.No.	Item Description	Quantity

Witnesses:

Bidder's Representatives

S.No.	Signature	Name	Designation	Date
1.				
2.				
3.				
4.				
5.				

CCC Members

S.No.	Signature	Name	Designation	Date
1.				
2.				
3.				
4.				
5.				

ANNEXURE 1: STATEMENT OF DEVIATIONS FROM TECHNICAL SPECIFICATIONS

To,
The Director,
NIT Raipur

Reference. Tender No. Dated.....

Dear Sir,

Following are the deviations and variations from the Technical Specifications of tendered items. These deviations and variations are exhaustive. Except these deviations and variations, the entire work shall be performed as per your specifications and documents.

Sr. No.	Selection No. & Page No	Deviation in the Bid	Brief reason
1			
2			
3			
4			

Date:

Place:

Signature:

Seal of the bidder

Name:

Designation

Company:

ANNEXURE 2: BANK GUARANTEE FORMAT FOR EARNEST MONEY DEPOSIT

To

.....
.....
.....
.....

WHEREAS _____ (Name of Bidder) (hereinafter called "the Bidder" has submitted its Bid dated _____ (Date) for the execution of contract " SUPPLY, INSTALLATION, TESTING AND COMMISSIONING OF COMPUTATIONAL SYSTEMS" (hereinafter called "the Bid") in favour of National Institute of Technology Raipur hereinafter called the "Employer";

KNOW ALL MEN by these presents that we, _____ (name of the issuing Bank), a body corporate constituted under the _____ having its Head Office at _____ amongst others a branch/office at _____ (hereinafter called "the Bank" are bound unto the employer for the sum of Rs. 10,00,000/- (Rupees Ten lacs only) for which payment well and truly to be made to the said Employer, the Bank binds itself, its successors and assigns by these presents;

THE CONDITION of this obligation is: If the bidder withdraws or amends their quotation before the issue of work-order to the successful bidder by the employer, or fails to submit PBG within stipulated time, (in case he becomes the successful Bidder), We undertake to pay to the Employer up to the above amount upon receipt of his first written demand without the Employer having to substantiate his demand, provided that in his demand the Employer will note that the amount claimed by him is due to him owing to the occurrence of any of the above conditions. Notwithstanding anything contained herein

i)Our liability under this Bank Guarantee shall not exceed Rs10,00,000/- (Rupees Ten lacs only)

ii)This Bank Guarantee is valid up to _____ (date) and

iii) We are liable to pay the guaranteed amount or any part thereof under this Bank Guarantee only and only if you serve upon us a written claim or demand On or before _____ (mention period of guarantee as found under clause (ii) above plus claim period)

Dated _____ day of _____ 20_____

SIGNATURE AND SEAL OF THE BANK