INDIAN INSTITUTE OF TECHNOLOGY, KANPUR

GT ROAD, KALYANPUR, KANPUR – 208016

UTTAR PRADESH, INDIA

TENDER REFERENCE NO.: IITK/DDIA/CC/2024-25/323

TENDER DOCUMENTS

For

"Purchase of Servers, Storage Disk & RHEL"

Bid Document

The Indian Institute of Technology Kanpur ("the IITK") invites Bids ("Bids") from eligible, qualified, and capable companies for the supply and delivery of "the Goods" and provision of associated services ("Associated Services") according to the requirements as defined in the Tender document.

Date of Publishing	21.11.2024 (1600 Hrs)
Clarification Start Date and Time	21.11.2024 (1600 Hrs)
Clarification End Date and Time	12.12.2024 (1600 hrs)
Queries (if any)	No queries will be entertained after clarification end date and time
Bid Submission Start Date	21.11.2024 (1600 hrs)
Last Date and time of uploading of Bids	12.12.2024 (1600 hrs)
Last Date and time of **submitting**, EMD and other documents at IIT Kanpur (if any)	NA
Date and time of opening of Technical Bids	13.12.2024 (1630 hrs)
Date and time of opening of Financial Bids	Will be separately notified for Technically shortlisted/qualified bidders

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

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

(Part-A)

Instructions for Online Bid Submission

The bidders are required to submit soft copies of their bids electronically on the CPP Portal, using valid Digital Signature Certificates. The instructions given below are meant to assist the bidders in registering on the CPP Portal, prepare their bids in accordance with the requirements and submitting their bids online on the CPP Portal.

More information useful for submitting online bids on the CPP Portal may be obtained at: https://eprocure.gov.in/eprocure/app**.**

1. REGISTRATION

1) Bidders are required to enroll on the e-Procurement module of the Central Public Procurement Portal (URL: https://eprocure.gov.in/eprocure/app) by clicking on the link "**Online bidder Enrollment**" on the CPP Portal which is free of charge.

2) As part of the enrolment process, the bidders will be required to choose a unique username and assign a password for their accounts.

3) Bidders are advised to register their valid email address and mobile numbers as part of the registration process. These would be used for any communication from the CPP Portal.

4) Upon enrolment, the bidders will be required to register their valid Digital Signature Certificate (Class III Certificates with signing key usage) issued by any Certifying Authority recognized by CCA India (e.g. Sify / nCode / eMudhra etc.), with their profile.

5) Only one valid DSC should be registered by a bidder. Please note that the bidders are responsible to ensure that they do not lend their DSC's to others which may lead to misuse.

6) Bidder then logs in to the site through the secured log-in by entering their user ID / password and the password of the DSC / e-Token.

2. SEARCHING FOR TENDER DOCUMENTS

1) There are various search options built in the CPP Portal, to facilitate bidders to search active tenders by several parameters. These parameters could include Tender ID, Organization Name, Location, Date, Value, etc. There is also an option of advanced search for tenders, wherein the bidders may combine a number of search parameters such as Organization Name, Form of Contract, Location, Date, Other keywords etc. to search for a tender published on the CPP Portal.

2) Once the bidders have selected the tenders they are interested in, they may download the required documents / tender schedules. These tenders can be moved to the respective 'My Tenders' folder. This would enable the CPP Portal to intimate the bidders through SMS / e- mail in case there is any corrigendum issued to the tender document.

3) The bidder should make a note of the unique Tender ID assigned to each

tender, in case they want to obtain any clarification / help from the Helpdesk.

3. PREPARATION OF BIDS

1) Bidder should take into account any corrigendum published on the tender document before submitting their bids.

2) Please go through the tender advertisement and the tender document carefully to understand the documents required to be submitted as part of the bid. Please note the number of covers in which the bid documents have to be submitted, the number of documents - including the names and content of each of the document that need to be submitted. Any deviations from these may lead to rejection of the bid.

3) Bidder, in advance, should get ready the bid documents to be submitted as indicated in the tender document / schedule and generally, they can be in PDF / XLS / RAR / DWF/JPG formats. Bid documents may be scanned with 100 dpi with black and white option which helps in reducing size of the scanned document.

4) To avoid the time and effort required in uploading the same set of standard documents which are required to be submitted as a part of every bid, a provision of uploading such standard documents (e.g. PAN card copy, annual reports, auditor certificates etc.) has been provided to the bidders. Bidders can use "My Space" or ''Other Important Documents'' area available to them to upload such documents. These documents may be directly submitted from the "My Space" area while submitting a bid and need not be uploaded again and again. This will lead to a reduction in the time required for bid submission process.

Note: *My Documents space is only a repository given to the Bidders to ease the uploading process. If Bidder has uploaded his Documents in My Documents space, this does not automatically ensure these Documents being part of Technical Bid.*

4. SUBMISSION OF BIDS

1) Bidder should log into the site well in advance for bid submission so that they can upload the bid in time i.e. on or before the bid submission time. Bidder will be responsible for any delay due to other issues.

2) The bidder has to digitally sign and upload the required bid documents one by one as indicated in the tender document.

3) Bidder has to select the payment option as "offline" to pay the tender fee / EMD as applicable and enter details of the instrument.

4) Bidder should prepare the EMD as per the instructions specified in the tender document. The original should be posted/couriered/given in person to the concerned official, latest by the last date of bid submission or as specified in the tender documents. The details of the DD/any other accepted instrument, physically sent, should tally with the details available in the scanned copy and the data entered during bid submission time. Otherwise, the uploaded bid will be rejected.

5) Bidders are requested to note that they should necessarily submit their financial bids in the format provided and no other format is acceptable. If the price bid

has been given as a standard BoQ format with the tender document, then the same is to be downloaded and to be filled by all the bidders. Bidders are required to download the BoQ file, open it and complete the white coloured (unprotected) cells with their respective financial quotes and other details (such as name of the bidder). No other cells should be changed. Once the details have been completed, the bidder should save it and submit it online, without changing the filename. If the BoQ file is found to be modified by the bidder, the bid will be rejected.

6) The server time (which is displayed on the bidders' dashboard) will be considered as the standard time for referencing the deadlines for submission of the bids by the bidders, opening of bids etc. The bidders should follow this time during bid submission.

7) All the documents being submitted by the bidders would be encrypted using PKI encryption techniques to ensure the secrecy of the data. The data entered cannot be viewed by unauthorized persons until the time of bid opening. The confidentiality of the bids is maintained using the secured Socket Layer 128-bit encryption technology. Data storage encryption of sensitive fields is done. Any bid document that is uploaded to the server is subjected to symmetric encryption using a system generated symmetric key. Further this key is subjected to asymmetric encryption using buyers/bid opener's public keys. Overall, the uploaded tender documents become readable only after the tender opening by the authorized bid openers.

8) The uploaded tender documents become readable only after the tender opening by the authorized bid openers.

9) Upon the successful and timely submission of bids (i.e. after Clicking "Freeze Bid Submission" in the portal), the portal will give a successful bid submission message & a bid summary will be displayed with the bid no. and the date & time of submission of the bid with all other relevant details.

10) The bid summary has to be printed and kept as an acknowledgement of the submission of the bid. This acknowledgement may be used as an entry pass for any bid opening meetings.

5. ASSISTANCE TO BIDDERS

1) Any queries relating to the tender document and the terms and conditions contained therein should be addressed to the Tender Inviting Authority for a tender or the relevant contact person indicated in the tender. The contact number of end user is 0512-259-7352. Please call between 10:30 hrs to 17:00 hrs.

2) Any queries relating to the process of online bid submission or queries relating to CPP Portal in general may be directed to the 24x7 CPP Portal Helpdesk.

(Part-B)
Instruction For e-Procurement

1. PREPARATION AND SUBMISSION OF BIDS:

1.1 The detailed tender documents may be downloaded from http://eprocure.gov.in/eprocure/app till the last date of submission of tender. The Tender may be submitted online through CPP Portal http://eprocure.gov.in/eprocure/app

1.2 The bidder should submit the bid online in two parts viz. Technical Bid and Financial Bid. Technical Bid should be upload online in cover-1 and Financial Bid in ". Xls" should be upload online in cover-2

2. SUBMISSION OF THE BID:

2.1 All interested eligible bidders are requested to submit their bids online on CPP Portal: http://eprocure.gov.in/eprocure/appas per the criteria given in this document:

  (a) Technical Bid should be uploaded online in cover-1.

  (b) Financial Bid should be uploaded online in cover-2.

  Both Technical and Financial Bid covers should be placed online on the CPP Portal (http://eprocure.gov.in/eprocure/app).

3. TECHNICAL BID:

3.1 Signed and Scanned copies of the Technical bid documents as under must be submitted online on CPP Portal: http://eprocure.gov.in/eprocure/app .

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

  1. Scanned copy of Bank details.
  2. Scanned copy of work experience.
  3. Scanned copy of certificate of GST.
  4. Scanned copy of specifications/brochures & tender acceptance letter on Appendix 1-2.
  5. Scanned copy of other documents mentioned in tender terms and conditions (if any)
  6. Declaration for local content, Country of Origin of goods and Bid Security on Appendix 3-4.
     (i) For The tender value upto Rs. 10 Crores - Self-Certificate for local content from the bidder.
     (ii) For the tender value above Rs. 10 Crores - Certificate for local content from Statutory Auditor/Cost Auditor/Cost Accountant/CA.

  (b) For Import Shipments – Shipping Terms Ex-Works/FOB are preferred.

  Note: - No indication of the rates/amounts be made in any of the documents submitted with the Technical Bid.

4. FINANCIAL BID

4.1   The currency of all quoted rates shall be Indian Rupees.

4.2   In preparing the financial bids, bidders are expected to take into account the requirements and conditions laid down in this Tender document. The financial bids should be uploaded online as per the specified **".Xls"** format i.e. Price Bid Excel sheet attached as **'.Xls'** with the tender and based on the scope of work, service conditions and other terms of the Tender document. It should include all costs associated with the Terms of Reference/Scope of Work of the assignment.

4.3   The Financial Proposal should be inclusive of all applicable taxes, duties, fees, levies, and other charges imposed under the applicable laws. The rates quoted in the Tender are inclusive of all applicable taxes, duties etc. **except service tax.** The service tax component shall be re-immersible by the department after receipt of paid challans etc. if applicable.

5. LAST DATE FOR SUBMISSION OF TENDER:

5.1   Online bids complete in all respects, must be submitted on or before the last date and time specified in the schedule of events.

5.2   The IIT, Kanpur may, at its own discretion, alter/extend the last date for submission of tenders.

6. BID VALIDITY

6.1   All the Bids must be valid for a period of 90 days from the last date of submission of the tender for execution of Contract. However, the quoted rates should be valid for the initial/ extended period of the Contract from the effective date of the Contract. No request will be considered for price revision during the original Contract period.

6.2   A bid valid for a shorter period shall be declared as non-responsive.

6.3   In exceptional circumstances, prior to expiry of the original time limit, the IIT may request the bidders to extend the period of validity for a specified additional period beyond the original validity of 90 days. The request and the bidders' responses shall be made in writing. The bidders, not agreeing for such extensions will be allowed to withdraw their bids without forfeiture of their Bid Security.

7. MODIFICATION / SUBSTITUTION/ WITHDRAWAL OF BIDS:

7.1   No Bid shall be modified, substituted or withdrawn by the Bidder after the due date of the Bid.

7.2   Any alteration/ modification in the Bid or additional information supplied subsequent to the Bid's due Date, unless the same has been expressly sought for by the Authority, shall be disregarded.

8. REJECTION OF THE BID:

8.1   The bid submitted shall become invalid and tender fee shall not be refunded if:-

(a)   The bidder is found ineligible.

(b) The bidder does not upload all the documents as stipulated in the bid document.

9. SELECTION CRITERIA:

9.1 PHASE-I: Technical Evaluation

(a) Technical evaluation will be done on the basis of information given by technical bid submitted by the bidders. A bid containing partial, incomplete, unclear and superfluous and unwanted information will be summarily rejected.

(b) Technical declaration must be supported with relevant documents. Discrepancy in relevant supporting documents and technical compliance sheets will lead to rejection of technical bids.

9.2 PHASE-II: Financial Evaluation

(a) Financial bids of technically qualified bidders shall be opened.

(b) Financial evaluation is purely done on the total financial implication.

(c) Any superfluous, unreasonable assets rate quotes will be summarily rejected.

10. Instruction to the bidder of countries which share land border with India (Rule 144(xi) GFRs)

10.1 Any bidder from a country which shares a land border with India will be eligible to bid in this tender only if the bidder is registered with the Department for Promotion of Industry and Internal Trade (DPIIT).

10.2 "Bidder" (including the term 'tenderer', 'consultant' or 'service provider' in certain contexts) means any person or firm or company , including any member of a consortium or joint venture (that is an association of several persons, or firms or companies) , every artificial juridical person not falling in any of the descriptions of bidders stated hereinbefore, including any agency branch or office controlled by such person, participating in a procurement process.

10.3 "Bidder from a country which shares a land border with India" for the purpose of this Order means: -

(a) An entity incorporated, established, or registered in such a country; or

(b) A subsidiary of an entity incorporated, established, or registered in such a country; or

(c) An entity substantially controlled through entities incorporated, established, or registered in such a country; or

(d) An entity whose beneficial owner is situated in such a country; or

(e) An Indian (or other) agent of such an entity; or

(f) A natural person who is a citizen of such a country; or

(g) A consortium or joint venture where any member of the consortium or joint venture falls under any of the above

10.4   The beneficial owner for the purpose of (iii) above will be as under:

(a)   In case of a company or Limited Liability Partnership, the beneficial owner is the natural person(s), who, whether acting alone or together, or through one or more juridical person, has a controlling ownership interest or who exercises control through other means .

Explanation-

(i)   "Controlling ownership interest" means ownership of or entitlement to more than twenty-five per cent. of shares or capital or profits of the company.

(ii)   "Control" shall include the right to appoint majority of the directors or to control the management or policy decisions including by virtue of their shareholding or management rights or shareholders agreements or voting agreements.

(b)   In case of a partnership firm, the beneficial owner is the natural person(s) who, whether acting alone or together, or through one or more juridical person, has ownership of entitlement to more than fifteen percent of capital or profits of the partnership;

(c)   In case of an unincorporated association or body of individuals, the beneficial owner is the natural person(s), who, whether acting alone or together, or through one or more juridical person, has ownership of or entitlement to more than fifteen percent of the property or capital or profits of such association or body of individuals;

(d)   Where no natural person is identified under (1) or (2) or (3) above, the beneficial owner is the relevant natural person who holds the position of senior managing official.

(e)   In case of a trust, the identification of beneficial owner(s) shall include identification of the author of the trust, the trustee, the beneficiaries with fifteen percent or more interest in the trust and any other natural person exercising ultimate effective control over the trust through a chain of control or ownership.

10.5   An Agent is a person employed to do any act for another, or to represent another in dealings with third person.

10.6   In case of tenders for Works contracts, including Turnkey contracts, The successful bidder shall not be allowed to sub-contract works to any contractor from a country which shares a land border with India unless such contractor is registered with the Competent Authority .

11. MII & Purchase Preference:

11.1   As per the Ministry of Commerce and Industry Order No. P-45021/2/2017-PP(BE-II) dated 04.06.2020 preference shall be given to Make in India products for which it is mandatory for bidders to declare Country of Origin of goods and percentage of Local contents in the product.

Definitions:

"**Local Content**" means the amount of value added in India which shall, unless otherwise prescribed by the Nodal Ministry, be the total value of the item procured (excluding net domestic indirect taxes) minus the value of imported content in the item (including all customs duties) as a proportion of the total value, in percent.

"**Class-I Local Supplier**" means a supplier or service provider, whose goods, services or works offered for procurement, has local content to or more than 50%, as defined under this order.

"**Class-II Local Supplier**" means a supplier or service provider, whose goods, services or works offered for procurement, has local content more than 20% but less than 50%, as defined under this order.

"**Margin of Purchase Preference**" means the maximum extent to which the price quoted by a Class-I local supplier may be above the L1 for the purpose of purchase preference. (shall be 20%)

Purchase Preference:

(a) Subject to the provisions of this Order and to any specific instructions issued by the Nodal Ministry or in pursuance of this Order, purchase preference shall be given to 'Class-I local supplier' in procurements undertaken by procuring entities in the manner specified here under.

(b) In the procurements of goods or works, which are covered by para 3(b) above and which are divisible in nature, the Class-l local supplier' shall get purchase preference over 'Class-II local supplier' as well as 'Non-local supplier', as per following procedure:

   (i) Among all qualified bids, the lowest bid will be termed as L1. If L1 is Class local supplier', the contract for full quantity will be awarded to L1.

   (ii) If L1 bid is not a 'Class-l local supplier', 50% of the order quantity shall be awarded to L1. Thereafter, the lowest bidder among the 'Class-l local supplier' will be invited to match the L1 price for the remaining 50% quantity subject to the Class-l local supplier's quoted price falling within the margin of purchase preference, and contract for that quantity shall be awarded to such 'Class-l local supplier' subject to matching the L1 price. In case such lowest eligible 'Class-l local supplier' fails to match the L1 price or accepts less than the offered quantity, the next higher 'Class-l local supplier' within the margin of purchase preference shall be invited to match the L1 price for remaining quantity and so on, and contract shall be awarded accordingly. In case some quantity is still left uncovered on Class-l local suppliers, then such balance quantity may also be ordered on the L1 bidder.

(c) In the procurements of goods or works, which are covered by para 3(b) above and which are not divisible in nature, and in procurement of services where the bid is evaluated on price alone, the 'Class-1 local supplier' shall get purchase preference over 'Class-ul local supplier' as well as 'Non-local supplier', as per following procedure:

(i) Among all qualified bids, the lowest bid will be termed as L1. If L1 is 'Class-1 local supplier', the contract will be awarded to L1.

(ii) If L1 is not 'Class-1 local supplier', the lowest bidder among the 'Class-l local supplier', will be invited to match the L1 price subject to Class-l local supplier's quoted price falling within the margin of purchase preference, and the contract shall be awarded to such 'Class-l local supplier' subject to matching the L1 price.

(iii) In case such lowest eligible 'Class-1 local supplier' fails to match the L1 price, the 'Class-1 local supplier' with the next higher bid within the margin of purchase preference shall be invited to match the L1 price and so on and contract shall be awarded accordingly. In case none of the 'Class-1 local supplier' within the margin of purchase preference matches the L1 price, the contract may be awarded to the L1 bidder.

(d) "**Class-Il Local Supplier**" will not get purchase preference in any procurement undertaken by procuring entities.

12. Benefits:

12.1   Bidders will get all benefits under Rule-153 of GFR, 2017.

(Part-C)
Commercial Terms and Conditions

1. DEFINITIONS

These Commercial Terms and Conditions shall constitute the General Conditions of Contract, where no separate contract is signed with the selected Bidder(s), and, the Bidders by putting their signature and stamp on each page of this Section V are binding themselves to these Terms and Conditions. In the Commercial Terms and Conditions as defined below, words and expressions shall have the following meanings assigned to them:

1.1 "**Contract**" means the agreement of the Parties relating to the procurement of Goods and / or the IITK Purchase Order (PO), and all attachments incorporated by reference, which shall form an integral part of the Contract. In the event of any discrepancy, the documents to prevail shall be given precedence in the following order: (i) the Contract (where separately signed), (ii) the IITK Purchase Order, (iii) its attachments, and (iv) these Commercial Terms and Conditions.

1.2 "**Contractor**" means the person or entity named in the 'CONTRACTOR' named field of the IITK Purchase Order and any agreed in writing by the IITK legal successor(s) in title.

1.3 "**Day**" means any calendar day.

1.4 "**Delivery Date**" means the latest possible date by which the Goods shall be delivered by the Contractor to the IITK, as specified in the 'DELIVERY DATE' named field of the IITK Purchase Order.

1.5 "**Force Majeure**" shall mean any unforeseeable exceptional situation or event beyond the Parties' control which prevents either of them from fulfilling any of their obligations under the Contract, was not attributable to error or negligence on their part (or of their partners, contractors, agents or employees), and could not have been avoided by the exercise of due diligence. Defects in equipment or material or delays in making them available, labour disputes, strikes or financial problems cannot be invoked as Force Majeure by the defaulting Party. Neither of the Parties shall be held liable for breach of its obligations under the Contract if it is prevented from fulfilling them by Force Majeure. The Party invoking Force Majeure shall notify the other without delay, stating the nature, likely duration and foreseeable effect, and take any measure to minimize possible damage.

1.6 "**Goods**" means all of the goods to be supplied to the IITK by the Contractor under the Contract.

1.7 "**IITK**" means the Indian Institute of Technology Kanpur.

1.8 "**IITK Purchase Order**" means the IITK's official Purchase Order document.

1.9 "**Party**" means the IITK, or the Contractor and "Parties" means the IITK and the Contractor; and "Place(s) of Delivery" means the location(s) or place(s) where the Goods are to be delivered, as specified in the 'SHIP TO' named field of the IITK Purchase Order.

2. CONCLUSION OF THE CONTRACT

2.1. The Contract is made between the IITK and the Contractor. The Contractor is engaged as an independent contractor for the sole purpose of delivering the Goods.

2.2. The Contract shall be concluded upon the Contractor duly following the countersigning procedure as stated in the IITK Letter of Intent (LOI).

3. FUNDING

3.1 This Contract shall become and remain effective only on the condition that an official Purchase Order is issued by IITK following the conclusion of tender exercise. In the event this is not or no longer shall the case, the IITK without unreasonable delay notify the Contractor thereof.

3.2 Any continuation of the Contractor's performance under this Contract after being notified by the IITK shall be at the Contractor's risk and expense.

4. DELIVERY AND TAKE-OVER OF GOODS

4.1 The Contractor shall deliver the Goods at the Place(s) of Delivery. On behalf of the IITK, a duly authorised representative(s), shall take-over the Goods upon delivery. Take-over of the Goods by the IITK shall not be deemed acceptance of the Goods by the IITK. The time of delivery as specified in the Contract / PO shall be strictly adhered to, and time shall be of the essence.

5. QUALITY OF GOODS

5.1 The Contractor shall deliver Goods that are:

(a) of the quality, quantity and description as required by the Contract / PO; and

(b) free from any right or claim of a third party, including rights based on industrial property or other intellectual property.

5.2 Should the Goods be of the type "homogeneously defined" or disposable, the Contractor shall undertake, certify, and guarantee that all Goods delivered shall be of the same quality and characteristics as mentioned in the specifications.

6. INSPECTION AND ACCEPTANCE

6.1 The duly authorized representative(s) of the IITK shall have the right, before payment, to inspect the Goods either at the Contractor's stores, during manufacture, at the ports and/or in places of shipment, or at the Place(s) of Delivery. The Contractor shall provide all facilities for such inspection. The IITK may issue a written waiver of inspection. Any inspection carried out by representative(s) of the IITK, or any waiver thereof shall be without prejudice to other provisions of the Contract concerning obligations assumed by the Contractor, including specifications of the Goods.

6.2 Upon delivery and inspection of the Goods, the IITK shall inspect the goods as soon as possible and complete the Goods Receiving Document. Should any Goods fail to conform to the technical specifications, codes and standards under the Contract, the IITK may reject the Goods. The Contractor shall, at no cost to the IITK, replace the rejected Goods or, alternatively, rectify the non-conformity.

6.3 In the case of Goods ordered on the basis of specifications, the IITK shall have the right to reject the Goods or any part thereof and terminate the Contract if the Goods do not conform to the specifications. Nothing in this clause shall in any way release the Contractor from any warranty or other obligations under the Contract.

7. SHIPPING AND INSURANCE

7.1 For overseas orders, shipping arrangements shall be co-ordinated by IITK. Original shipping documents including the packing list shall be airmailed/emailed by the Contractor to the (Assistant Registrar (S&P), IIT, Kanpur – 208 016, UP, India).

8. OBSERVANCE OF LAW AND EXPORT LICENCES

8.1 The Contractor shall comply with all laws, ordinance, rules and regulations bearing upon the performance of its obligations under the terms of the Contract. If an export licence or any other governmental authorisation is required for the Goods, it shall be the obligation of the Contractor to obtain such licence or governmental authorisation. In the event of the Contractor's failure to obtain such licence or authorisation within a reasonable time, the IITK may immediately terminate the Contract. Where the award procedure or execution of the Contract is vitiated by substantial errors or irregularities or by fraud, the IITK shall suspend execution of the Contract.

8.2 Where such errors, irregularities or fraud are attributable to the Contractor, the IITK may also refuse to make payments or may recover monies already paid, in proportion to the seriousness of the errors, irregularities or fraud. The purpose of suspending the Contract shall be to verify whether presumed substantial errors and irregularities or fraud have actually occurred. If they are not confirmed, execution of the Contract shall resume as soon as possible. A substantial error or irregularity shall be any infringement of a contract or regulatory provision of India, resulting from an act or an omission that causes or might cause a financial loss.

9. PRICE

9.1 The price of the Goods shall be as stated in the Purchase Order and may not be increased.

10. PAYMENT

10.1 Unless otherwise stipulated in the Purchase Order, the IITK shall make payment within thirty (30) Days of the later of:

   (a) Successful delivery of the goods to IITK as confirmed by the consignee (Assistant Registrar, Store & Purchase, IIT-Kanpur), endorsed by the indenter and approved by the indenters' Head of Department / Section.

   (b) Receipt of customary shipping documents and any other documents specified in the Contract; and (c) Receipt of the original invoice issued by the Contractor.

10.2 All invoices shall be in original and shall contain the IITK Purchase Order number, and a description, the quantities, unit and total price(s) of the Goods delivered. The currency of the invoice and payment shall be as specified in the Purchase Order. Unless otherwise authorized by the IITK, a separate invoice shall be submitted for each shipment under the Contract / PO. Subject to Clause 11 below ('Tax Exemption'), if applicable, the GST amount shall be separately identified in the invoice.

10.3 Payments shall be made in the currency stated in the Contract / PO, on the basis of the equivalent value of INR on the day of payment and paid directly into the nominated bank account.

10.4 The IITK shall not pay any charge for late payments.

11. TAX EXEMPTION

11.1 The Contractor's price shall reflect any tax exemption to which the IITK is entitled. If it is subsequently determined that any taxes that have been included in the price are not required to be paid or if, having been paid, any such taxes are subject to refunding, the IITK shall deduct the amount from the Contract price. Payment of such adjusted amount shall constitute full payment by the IITK. In the event that any taxing authority refuses to recognize the IITK's exemption from taxes, the Contractor shall immediately consult with the IITK to determine a mutually acceptable procedure for settling the applicable amount.

12. WARRANTY

12.1 The Contractor warrants that the Goods furnished under the Contract conform to the technical specifications, description and standards specified in the Contract, and are new and unused, and free from defects in design, workmanship and/or materials.

12.2 The Contractor shall provide a warranty for the Goods for a period of one year from the date of acceptance of the Goods by the IITK, unless the standard manufacturer's warranty period is longer in which case the longer period shall apply.

12.3 In the case of "homogeneously defined" or disposable goods, should any portion of the Goods, at any time, not comply with clause 5.1 or 5.2 herein or otherwise prove to be defective, the Contractor shall, upon written notification from the IITK, replace that portion of the Goods and bear all costs associated with the replacement of same.

13. PACKING

13.1 The Goods shall be packed and marked in a proper manner and in accordance with the Contract and any statutory requirements and any requirements of the carrier(s). In particular, the Goods shall be marked with the IITK Purchase Order number and the net, gross and tare weights, the name of the contents shall be clearly marked on each container and all containers of hazardous goods (and all documents relating thereto) shall bear prominent and adequate warnings.

13.2 The Contractor shall provide such packing of the Goods as is required to prevent their damage or deterioration during transit to their final destination. The packing shall be sufficient to withstand, without limitation, rough handling during transit. Packing case size and weights shall take into consideration, where appropriate, the remoteness of the final destination and the absence of appropriate handling facilities at all points in transit.

13.3   All packaging materials shall be non-returnable.

14. DEFAULT AND DAMAGES

14.1   If due to reasons attributable to the Contractor, the Contractor fails or refuses to:

    a.   deliver any or all of the Goods under the Purchase Order.

    b.   comply with any or all of the terms and conditions set out in the Purchase Order; or

    c.   deliver any or all of the Goods under the Purchase Order on or before the Delivery Date; the IITK may hold the Contractor in default under the Purchase Order.

14.2   When the Contractor is thus in default, the IITK may, by written notice to the Contractor, immediately terminate the Purchase Order in whole or in such part or parts thereof in respect of which the Contractor is in default.

14.3   Alternatively, to clause 14 above when the Contractor is thus in default, the IITK may, at its own discretion, set a reasonable period of time for the Contractor to remedy its default. Any new Delivery Date shall be specified in a written amendment to the Purchase Order, duly countersigned by the Contractor.

14.4   The IITK may, at its discretion, impose penalties upon the Contractor calculated in accordance with clause 15 for each Day the Contractor is late in delivering the Goods past the Delivery Date initially specified in the Purchase Order.

14.5   If the Contractor does not remedy its default within the period accorded under clause 16, the IITK may, by written notice to the Contractor, terminate the Purchase Order with immediate effect.

14.6   Upon any termination of the Purchase Order, in whole or such part(s) thereof in respect of which the Contractor is in default, the IITK may engage another contractor to deliver the Goods and recover any difference in price and any additional costs from the Contractor.

14.7   The Contractor shall indemnify the IITK for all losses, charges, costs and expenses, which the IITK may suffer or incur as a result the Contractor's default, including those resulting from engaging another contractor pursuant to this clause 14.

15. PENALTIES

15.1   If, in accordance with clause 15, the IITK imposes penalties on the Contractor, such penalties shall amount to point five percent (0.5%) of the total Purchase Order price for each week following the initial Delivery Date specified in the Purchase Order but shall not amount to more than Ten percent (10%) of the total Purchase Order value. The penalties for the delay may be deducted by IITK from any sum(s) due, or to become due, by the IITK to the Contractor.

16. DELAY NOT ATTRIBUTABLE TO THE CONTRACTOR

16.1   If the Contractor is delayed at any time in the delivery of the Goods or fulfilment of any other of the Contractor's obligations by any act or omission of the IITK, or by any of its officials, or by any separate contractor(s) contracted by the IITK, or by changes ordered in the type and/or quantity of the ordered Goods, or the Place(s) of Delivery, or any causes beyond the Contractor's reasonable control, or by any other cause, which the IITK determines may reasonably justify the delay, the Delivery Date of the Goods, or fulfilment of any other of the Contractor's applicable obligations shall be extended for such reasonable period of time as the IITK and the Contractor mutually determine. The set reasonable period of time and any amended

delivery date shall be specified in a written amendment to the Contract / PO, duly countersigned by the Contractor.

17. FORCE MAJEURE

17.1 As soon as possible after the occurrence of any event constituting Force Majeure, but no later than three (3) Days, the Contractor shall give notice and full particulars in writing to the IITK of the Force Majeure. If the Contractor is thereby rendered unable, wholly or in part, to meet its obligations under the Contract, the IITK may terminate the Contract / PO with immediate effect by providing written notice to the Contractor.

18. INDEMNITY

18.1 The Contractor shall indemnify, hold and save harmless and defend at its own expense the IITK, and all of the foregoing's officials, agents, servants and employees from and against all suits, claims, demands and liability of any nature or kind, including costs and expenses, arising out of acts or omissions of the Contractor or its employees, agents or subcontractors in the performance of the Contract.

18.2 Clause 18 shall include, without limitation, claims and liabilities in the nature of workmen's compensation and claims and liabilities arising out of the use of patented inventions or devices.

19. ASSIGNMENT

19.1 The Contractor shall not assign, transfer, pledge or make other disposition of the Purchase Order or any part thereof or of any of the Contractor's rights, claims or obligations under the Purchase Order except with the express written consent of the IITK. Any assignment made without such consent shall be void and of no effect.

19.2 The Contractor shall not subcontract any of its obligations under the Contract / PO without the express written consent of the IITK. The IITK may require the Contractor to furnish particulars of the proposed subcontract as the IITK deems necessary.

19.3 The IITK's approval of any subcontracting shall not relieve the Contractor from any liability or obligation under the Contract. In any subcontract, the Contractor agrees to bind the subcontractor by the same terms and conditions by which the Contractor is bound under the Contract / PO.

20. INSOLVENCY AND BANKRUPTCY

20.1 Should the Contractor become insolvent or should control of the Contractor change by virtue of insolvency, the IITK may with immediate effect and without prejudice to any other right or remedy available to it, suspend the performance of the Contractor's obligations or terminate the Purchase Order with immediate effect, by providing the Contractor with written notice thereof.

20.2 Should the Contractor be adjudged bankrupt, or should the Contractor make a general assignment for the benefit of its creditors, or should a receiver be appointed on account of the Contractor's insolvency, the IITK may, without prejudice to any other right or remedy available to it, terminate the Purchase Order with immediate effect by providing the Contractor with written notice thereof.

21. TERMINATION

21.1 The IITK shall have the right to terminate the Purchase Order or any of the provisions thereof at any time by serving a three days' notice to the Contractor.

22. WAIVER

22.1 A waiver of any breach of or default under the Contract / PO shall not constitute a waiver of any other breach or default and shall not affect the other terms of the Contract / PO. The rights and remedies provided by the Purchase Order are cumulative and are not exclusive of any other rights or remedies.

23. ADVERTISING

23.1 The Contractor shall not advertise or otherwise make public the fact that it is a contractor to the IITK. The Contractor shall not in any way use the name, emblem, logo, official seal, or any abbreviation of the IITK.

24. DISCRETION AND CONFIDENTIALITY

24.1 The Contractor is required to exercise the utmost discretion in all matters relating to the Contract / Purchase Order. Unless required in connection with the performance of the Purchase Order or expressly authorised in writing by the IITK, the Contractor shall not disclose at any time to any third party any information which has not been made public and which is known to the Contractor by reason of its association with the IITK. The Contractor shall not, at any time, use such information to any private advantage. These obligations do not lapse upon any completion, expiration, cancellation or termination of the Contract / PO.

25. NOTICES

25.1 Any notice given in connection with the Contract shall be given in English and in writing and shall be deemed to be validly given if sent by registered mail or by fax or by email to the other Party at the following:

    a.   for the IITK: the contact details set out in the 'IITK BUYER' name field of the Purchase Order; and

    b.   for the Contractor: the contact details set out in the 'CONTRACTOR' named field of the IITK Contract/Purchase Order.

26. STAFF MEMBERS NOT TO BENEFIT

26.1 The Contractor shall not grant to any official of the IITK any direct or indirect benefit or preferential treatment on the basis of the Purchase Order or the award thereof. Any breach of this provision shall constitute a fundamental breach of the Purchase Order.

27. GOVERNING LAW

27.1 The Contract shall be governed by and construed in accordance with the substantive laws of the Republic of India.

28. SETTLEMENT OF DISPUTES

28.1 The Parties shall use their best efforts to negotiate and amicably settle any disputes, controversies or claims arising out of, or in connection with, the Contract / Purchase Order or its interpretation.

28.2 If the Parties fail to settle the dispute amicably within thirty (30) Days of commencement of the negotiations, the dispute shall be settled through arbitration. One (1) sole arbitrator shall be appointed by the Director of IITK who full powers shall have to make final and binding decisions subject to prevailing laws of India. The appointing authority shall be the Director of IITK. The place of arbitration shall be Kanpur, and the language used in the arbitration proceedings shall be English.

29. PRIVILEGES AND IMMUNITIES

29.1 No provision of the Contract / Purchase Order shall be deemed, or interpreted as, a waiver of the privileges and immunities enjoyed by the IITK.

30. AMENDMENTS

30.1 No modification, amendment or change to the Contract/Purchase Order, or waiver of any of its provisions, or any additional contractual relationship with the Contractor shall be valid unless approved in the form of a written amendment to the Contract/Purchase Order, signed by a fully authorised representative of each Party.

31. VALIDITY

31.1 The invalidity in whole or part of any condition of the Contract / Purchase Order or clause thereof shall not affect the validity of the remainder of such condition or clause.

32. ENTIRE AGREEMENT

32.1 The Contract / Purchase Order constitute the entire agreement and understanding of the Parties and supersede any previous agreement, whether orally or in writing, between the Parties relating to the subject matter of the Contract.

33. GOVERNING LANGUAGE

33.1 The Contract / Purchase Order shall be executed in the English language which shall be the binding and controlling language for all matters relating to the meaning and interpretation of the Contract / Purchase Order.

Tender document

Department of Mechanical Engineering
Indian Institute of Technology Kanpur
Kanpur (UP) 208016 India

Enquiry date: 19.11.2024   Enquiry No: **IITK/DDIA/CC/2024-25/323**

Online quotations are invited for Servers, Storage Disk & RHEL. The detailed specification is described below.

Specifications of the Servers, Storage Disk & RHEL:

Eligibility Criteria of OEM/Bidder:

S. No.	Description	Compliance Yes / No
1.	The OEM of the equipment quoted should have a minimum of eight or more spare depots in India to support equipment failure and better resolution.	
2.	The OEM should support next-business-day delivery against defective spares in major locations in India. OEM should have 24x7x365 support for India with direct TAC support.	
3.	The OEM should have had a registered office in India for the last 15 years.	
4.	OEM should be ISO 9001:2015 certified.	
5.	The bidder must be a reputed manufacturer (OEM) or authorized System Integrator of the products offered. In the case of the System Integrator, a Letter of Authorization from OEM, specific to the tender should be enclosed. **The back-to-back agreement is needed with OEM at the Time of Invoicing as Contract. The bids received without a Letter of Authorization and Back-to-Back Agreements from OEM are liable to be rejected.**	
6.	The bidder should have at least 5 Year experience in the field Servers and Storage in IIT/ Central University, Central Government PSUs, and Public Listed Companies **Documentary proof in this regard should be submitted.**	
7.	The Bidder Should have Experience single order 70 Lac, two order for 50 Lac and three Order for 30 Lac in the field Servers and Storage in IIT/ Central University, Central Government PSUs.	
8.	The Bidder should quote with same OEM / Brand whose past-experience were used for this bid as a criteria.	
9.	For after-sales services, the agency shall be available at all times and communication by Tele/E-Mail/Fax to the agency shall be acknowledged immediately on the same day.	
10.	The bidder should be ISO 9001:2015.	

11.	The Bidder shall provide the Registration number GST/Sales Tax / Service Tax /PAN /TIN - Registration number.		
12.	Bidder should have a minimum of 10 years' presence in India. **(Attach Company Registration Certificate)**		
13.	Bidder should have a minimum of 4 Crore. net worth in the last financial year 2022-23 **(Attach CA certificate)**.		
14.	Bidder should have a minimum of Rs.5 Crore. Average Turnover for the last three years and 2020-2021 , 2021-2022 and 2022-2023. **(Attach CA certificate and Balance sheet & P&L Account).**		

TECHNICAL SPECFICATION

1) Internet Application Server (DHCP, RADIUS, NS3, Spare) : 4 Nos.

Item	Description of Requirement	Compliance Yes / No
Chassis	1U Rack Mountable	
CPU	1x Intel 5th Gen processor 4510 (2.4 GHz, 12 Cores) or Higher. Same server should support Dual Processors.	
Chipset	Intel® C741 Chipset	
Memory	32DIMM slots. The server should be populated with 32GB (2 x 16 GB) RAM expandable up to 256 GB	
Controller	PCIe based x16 RAID controller with 8GB Flash backed write cache, supporting RAID 0, 1, 5, 6, 10, 50, 60, 1T, 10T supporting up to 16 direct-connected storage devices (SAS/SATA/NVMe).	
	Controller must support SSD, NVMe SSD & SATA/NL-SAS Drives	
	Controller must support following: 1. Expand Logical Drive 2. Instant Secure Erase 3. Migrate RAID/Stripe Size 4. Modifying Cache Write Policy 5. Move Logical Drive 6. Re-enable Failed Logical Drive	
Bus Slots	The server should support up to three PCI-Express 5.0 x16 slots (bus width).	
HDD Bays	8 SFF/LFF HDD/SSD	
Storage	2 x 960GB SSD with 1DWPD in RAID 1	
Networking Port	Server should support and offered below networking cards: 1) 1Gb 4-port network adaptors 2) 2-port 10G BaseT adapter	
Interfaces	Serial - 1 (Optional) VGA – 1 USB 3.0 support With Up to 4 totals: 1 front, 2 rear, 1 internal (secure) 1GbE Dedicated management port	

Power Supply	Should support hot plug redundant platinum power supplies with minimum 94% efficiency	
Fans	Redundant hot-plug system fans	
Industry Standard Compliance	1. ACPI 6.3 Compliant or Equivalent Industry Standard Compliance.	
	2. PCIe 5.0 Compliant	
	3. WOL Support	
	4. Microsoft® Logo certifications	
	5. PXE Support	
	6. USB 3.0 Compliant	
	7. Energy Star	
	8. SMBIOS 3.2 Compliant or Equivalent Industry Standard Compliance.	
	9. Redfish API	
	10. IPMI 2.0	
	11. Secure Digital 4.0	
	12. Advanced Encryption Standard (AES)	
	13. Triple Data Encryption Standard (3DES)	
	14. SNMP v3	
	15. TLS 1.2	
	16. DMTF Systems Management Architecture for Server Hardware Command Line Protocol (SMASH CLP)	
	17. Active Directory v1.0	
	18. ASHRAE A3/A4	
	19. UEFI (Unified Extensible Firmware Interface Forum) 2.7	
System Security	1. UEFI Secure Boot and Secure Start support	
	2. Tamper-free updates - components digitally signed and verified	
	3. Immutable Silicon Root of Trust	
	4. Ability to rollback firmware	
	5. FIPS 140-2 validation	
	6. Secure erase of NAND/User data	
	7. TPM (Trusted Platform Module) 1.2 option	
	8. Configurable for PCI DSS compliance	
	9. TPM (Trusted Platform Module) 2.0 option	
	10. Advanced Encryption Standard (AES) and Triple Data Encryption Standard (3DES)	
	11. Bezel Locking Kit	
	12. Support for Commercial National Security Algorithms (CNSA)	
	13. Chassis Intrusion detection	

	14. Secure Recovery - recover critical firmware to known good state on detection of compromised firmware	
Latest Operating Systems and Virtualization Software Support	Microsoft Windows Server Red Hat Enterprise Linux (RHEL) SUSE Linux Enterprise Server (SLES) Vmware	
Secure encryption	The system should support Encryption of the data (Data at rest) on both the internal storage and cache module of the array controllers using encryption keys. Should support local key management for single server and remote key management for central management for enterprise-wide data encryption deployment.	
Provisioning	1. Should support tool to provision server using RESTful API to discover and deploy servers at scale	
Firmware security	1. For firmware security, the system should provide Silicon root of trust or equivalent. The feature should be immutable	
	2. Should maintain a repository for firmware and driver recipes to aid rollback or patching of compromised firmware. Should also store Factory Recovery recipe preloaded to rollback to factory-tested secured firmware	
Server Management and firmware security	1. System remote management should support browser based graphical remote console along with Virtual Power button, remote boot using USB/CD/DVD Drive. It should be capable of offering upgrade of software and patches from a remote client using Media/image/folder; It should support server power capping and historical reporting and should have support for multifactor authentication	
	2. Server should have dedicated 1Gbps remote management port	
	3. Server should have storage space earmarked to be used as a repository for firmware, drivers and software components. The components can be organized in to install sets and can be used to rollback/patch faulty firmware	
	4. Server should support agentless management using the out-of-band remote management port	
	5. The server should support monitoring and recording changes in the server hardware and system configuration. It assists in diagnosing problems and delivering rapid resolution when system failures occur.	

	6. Remote console sharing up to 6 users simultaneously during pre-OS and OS runtime operation, Console replay - Console Replay captures and stores for replay the console video during a server's last major fault or boot sequence. Microsoft Terminal Services Integration, 128 bit SSL encryption and Secure Shell Version 2 support. Should provide support for AES and 3DES on browser. Should provide remote firmware update functionality. Should provide support for Java free graphical remote console. [Equivalent Feature]	
	7. Should support RESTful API integration	
	8. System should support embedded remote support to transmit hardware events directly to OEM or an authorized partner for automated phone home support	
	9. Server should have security dashboard: displaying the status of important security features, the Overall Security Status for the system, and the current configuration for the Security State and Server Configuration Lock features.	
	10. One-button Secure Erase designed to decommission/repurpose servers	
	11. NVMe wear level display [Optional Feature]	
	12. Provides servers tuning recommendations to improve server performance.	
Server Management & Benchmark	Software should support dashboard view to quickly scan the managed resources to assess the overall health of the data center. It should provide an at-a-glance visual health summary of the resource's user is authorized to view.	
	The Dashboard minimum should display a health summary of the following: • Server Profiles • Server Hardware • Appliance alerts	
	The Systems Management software should provide Role-based access control	
	Management software should support integration with popular virtualization platform management software like Vmware vCenter & vRealize Operations and Microsoft System Center & Admin Center	
	Should help provide proactive notification of actual or impending component failure alerts on critical components like CPU, Memory and HDD.	
	Solution should provide online access to the product, support information and provide information to track warranties, support contracts, and status.	
	The Server Management Software should be of the same brand as of the server supplier.	
	SPEC INT_rate_base 2017 > 240 SPEC FP_rate_base 2017 > 353	

	for the product with dual Processors (must be available on SPEC dot ORG before evaluation)	
	The OEM / Brand must have presence in India as a manufacturer of similar items and support establishment for more than 10 years, the documentary proof should also be submitted.	
	The OEM for the proposed server must be in Leaders quadrant in any of the last three Gartner's report of "Magic Quadrant for Modular Servers" OR should have been one of the top three server vendors (by market share revenue in IDC in any of the previous 4 quarters)	
	Server should be provided with 5 Years 24x7x4 Support Directly from OEM. The 5 year support Undertaking submit along with the Bid specific to this tender and the support warranty document at the time of supply of material	

2) VM Server for Internet Application Server Backup: 1 Nos.

Item	Description of Requirement	Compliance Yes / No
Chassis	1U Rack Mountable	
CPU	2x Intel 5th Gen processor 4510 (2.4 GHz, 12 Cores) or Higher.	
Chipset	Intel® C741 Chipset	
Memory	32DIMM slots. The server should be populated with 128 GB (4 x 32 GB) RAM expandable up to 256 GB	
Controller	PCIe based x16 RAID controller with 8GB Flash backed write cache, supporting RAID 0, 1, 5, 6, 10, 50, 60, 1T, 10T supporting up to 16 direct-connected storage devices (SAS/SATA/NVMe).	
	Controller must support SSD, NVMe SSD & SATA/NL-SAS Drives	
	Controller must support following: 1. Expand Logical Drive 2. Instant Secure Erase 3. Migrate RAID/Stripe Size 4. Modifying Cache Write Policy 5. Move Logical Drive 6. Re-enable Failed Logical Drive	
Bus Slots	The server should support up to three PCI-Express 5.0 x16 slots (Bus width)	
HDD Bays	8 SFF/LFF HDD/SSD	
Storage	4x 960GB SSD with 1DWPD	
Networking Port	Server should support and offered below networking cards: 1) 1Gb 4-port network adaptors 2) 2-port 10G BaseT adapter	
Interfaces	Serial - 1 (Optional) VGA – 1 USB 3.0 support With Up to 4 totals: 1 front, 2 rear, 1 internal. 1GbE Dedicated management port	

Power Supply	Should support hot plug redundant platinum power supplies with minimum 94% efficiency	
Fans	Redundant hot-plug system fans	
Industry Standard Compliance	1. ACPI 6.3 Compliant or Equivalent Industry Standard Compliance.	
	2. PCIe 5.0 Compliant	
	3. WOL Support	
	4. Microsoft® Logo certifications	
	5. PXE Support	
	6. USB 3.0 Compliant	
	7. Energy Star	
	8. SMBIOS 3.2 Compliant or Equivalent Industry Standard Compliance.	
	9. Redfish API	
	10. IPMI 2.0	
	11. Secure Digital 4.0	
	12. Advanced Encryption Standard (AES)	
	13. Triple Data Encryption Standard (3DES)	
	14. SNMP v3	
	15. TLS 1.2	
	16. DMTF Systems Management Architecture for Server Hardware Command Line Protocol (SMASH CLP)	
	17. Active Directory v1.0	
	18. ASHRAE A3/A4	
	19. UEFI (Unified Extensible Firmware Interface Forum) 2.7	
System Security	1. UEFI Secure Boot and Secure Start support	
	2. Tamper-free updates - components digitally signed and verified	
	3. Immutable Silicon Root of Trust	
	4. Ability to rollback firmware	
	5. FIPS 140-2 validation	
	6. Secure erase of NAND/User data	
	7. TPM (Trusted Platform Module) 1.2	
	8. Configurable for PCI DSS compliance	
	9. TPM (Trusted Platform Module) 2.0	
	10. Advanced Encryption Standard (AES) and Triple Data Encryption Standard (3DES) [Optional Feature] on browser	
	11. Bezel Locking Kit option	
	12. Support for Commercial National Security Algorithms (CNSA)	

	13. Chassis Intrusion detection option	
	14. Secure Recovery - recover critical firmware to known good state on detection of compromised firmware	
Latest Operating Systems and Virtualization Software Support	Microsoft Windows Server Red Hat Enterprise Linux (RHEL) SUSE Linux Enterprise Server (SLES) Vmware	
Secure encryption	The system should support Encryption of the data (Data at rest) on both the internal storage and cache module of the array controllers using encryption keys. Should support local key management for single server and remote key management for central management for enterprise-wide data encryption deployment.	
Provisioning	1. Should support tool to provision server using RESTful API to discover and deploy servers at scale	
Firmware security	1. For firmware security, the system should provide Silicon root of trust or equivalent . The feature should be immutable	
	2. Should maintain a repository for firmware and driver recipes to aid rollback or patching of compromised firmware. Should also store Factory Recovery recipe preloaded to rollback to factory-tested secured firmware	
Server Management and firmware security	1. System remote management should support browser based graphical remote console along with Virtual Power button, remote boot using USB/CD/DVD Drive. It should be capable of offering upgrade of software and patches from a remote client using Media/image/folder; It should support server power capping and historical reporting and should have support for multifactor authentication	
	2. Server should have dedicated 1Gbps remote management port	
	3. Server should have storage space earmarked to be used as a repository for firmware, drivers and software components. The components can be organized in to install sets and can be used to rollback/patch faulty firmware	
	4. Server should support agentless management using the out-of-band remote management port	
	5. The server should support monitoring and recording changes in the server hardware and system configuration. It assists in diagnosing problems and delivering rapid resolution when system failures occur.	

	6. Remote console sharing up to 6 users simultaneously during pre-OS and OS runtime operation, Console replay - Console Replay captures and stores for replay the console video during a server's last major fault or boot sequence. Microsoft Terminal Services Integration, 128 bit SSL encryption and Secure Shell Version 2 support. Should provide support for AES and 3DES on browser. Should provide remote firmware update functionality. Should provide support for Java free graphical remote console. [Equivalent Feature]	
	7. Should support RESTful API integration	
	8. System should support embedded remote support to transmit hardware events directly to OEM or an authorized partner for automated phone home support	
	9. Server should have security dashboard: displaying the status of important security features, the Overall Security Status for the system, and the current configuration for the Security State and Server Configuration Lock features.	
	10. One-button Secure Erase designed to decommission/repurpose servers	
	11. NVMe wear level display [Optional Feature]	
	12. Provide server tuning recommendations to improve server performance.	
Server Management & Bechmarking	Software should support dashboard view to quickly scan the managed resources to assess the overall health of the data center. It should provide an at-a-glance visual health summary of the resource's user is authorized to view.	
	The Dashboard minimum should display a health summary of the following: • Server Profiles • Server Hardware • Appliance alerts	
	The Systems Management software should provide Role-based access control	
	Management software should support integration with popular virtualization platform management software like Vmware vCenter & vRealize Operations and Microsoft System Center & Admin Center	
	Should help provide proactive notification of actual or impending component failure alerts on critical components like CPU, Memory and HDD.	
	Solution should provide online access to the product, support information and provide information to track warranties, support contracts, and status.	

	The Server Management Software should be of the same brand as of the server supplier.	
	SPEC INT_rate_base 2017 > 240 SPEC FP_rate_base 2017 > 353 for the product (must be available on SPEC dot ORG before evaluation)	
	The OEM / Brand must have presence in India as a manufacturer of similar items and support establishment for more than 10 years, the documentary proof should also be submitted.	
	The OEM for the proposed server must be in Leaders quadrant in any of the last three Gartner's report of "Magic Quadrant for Modular Servers" OR should have been one of the top three server vendors (by market share revenue in IDC in any of the previous 4 quarters)	
	Server should be provided with 5 Years 24x7x4 Support Directly from OEM. The 5 year support Undertaking submit along with the Bid specific to this tender and the support warranty document at the time of supply of material	

3) SIEM and Log Server: 1 Nos.

Item	Description of Requirement	Compliance Yes / No
Chassis	2U Rack Mountable	
CPU	2x Intel 5th Gen processor 4510 (2.4 GHz, 12 Cores) or Higher.	
Chipset	Intel® C741 Chipset	
Memory	32DIMM slots. The server should be populated with 64 GB (2 x 32 GB) RAM expandable up to 256 GB	
Controller	PCIe based x16 RAID controller with 8GB Flash backed write cache, supporting RAID 0, 1, 5, 6, 10, 50, 60, 1T, 10T supporting up to 16 direct-connected storage devices (SAS/SATA/NVMe).	
	Controller must support SSD, NVMe SSD & SATA/NL-SAS Drives	

	Controller must support following:
	    7. Expand Logical Drive
	    8. Instant Secure Erase
	    9. Migrate RAID/Stripe Size
	    10. Modifying Cache Write Policy
	    11. Move Logical Drive
	    12. Re-enable Failed Logical Drive	

Bus Slots	The server should support up to Six PCI-Express 5.0 x16 slots (Bus width)	
HDD Bays	8 SFF/LFF HDD/SSD	
Storage	2x 960GB LFF SSD + 6x 12TB NL-SAS HDD's.	

Networking Port	Server should support and offered below networking cards:
	    3) 1Gb 4-port network adaptors
	    4) 2-port 10G BaseT adapter	

Interfaces	Serial - 1 (Optional) VGA – 1 USB 3.0 support With Up to 4 totals: 1 front, 2 rear, 1 internal. 1GbE Dedicated management port	
Power Supply	Should support hot plug redundant platinum power supplies with minimum 94% efficiency	
Fans	Redundant hot-plug system fans	
Industry Standard Compliance	20. ACPI 6.3 Compliant or Equivalent Industry Standard Compliance.	
	21. PCIe 5.0 Compliant	
	22. WOL Support	
	23. Microsoft® Logo certifications	
	24. PXE Support	
	25. USB 3.0 Compliant	
	26. Energy Star	
	27. SMBIOS 3.2 Compliant or Equivalent Industry Standard Compliance.	
	28. Redfish API	
	29. IPMI 2.0	
	30. Secure Digital 4.0	
	31. Advanced Encryption Standard (AES)	
	32. Triple Data Encryption Standard (3DES)	
	33. SNMP v3	
	34. TLS 1.2	
	35. DMTF Systems Management Architecture for Server Hardware Command Line Protocol (SMASH CLP)	
	36. Active Directory v1.0	
	37. ASHRAE A3/A4	
	38. UEFI (Unified Extensible Firmware Interface Forum) 2.7	
System Security	15. UEFI Secure Boot and Secure Start support	
	16. Tamper-free updates - components digitally signed and verified	
	17. Immutable Silicon Root of Trust	
	18. Ability to rollback firmware	
	19. FIPS 140-2 validation	
	20. Secure erase of NAND/User data	
	21. TPM (Trusted Platform Module) 1.2	
	22. Configurable for PCI DSS compliance	
	23. TPM (Trusted Platform Module) 2.0	

	24. Advanced Encryption Standard (AES) and Triple Data Encryption Standard (3DES) [Optional Feature] on browser	
	25. Bezel Locking Kit option	
	26. Support for Commercial National Security Algorithms (CNSA)	
	27. Chassis Intrusion detection option	
	28. Secure Recovery - recover critical firmware to known good state on detection of compromised firmware	
Latest Operating Systems and Virtualization Software Support	Microsoft Windows Server Red Hat Enterprise Linux (RHEL) SUSE Linux Enterprise Server (SLES) Vmware	
Secure encryption	The system should support Encryption of the data (Data at rest) on both the internal storage and cache module of the array controllers using encryption keys. Should support local key management for single server and remote key management for central management for enterprise-wide data encryption deployment.	
Provisioning	2. Should support tool to provision server using RESTful API to discover and deploy servers at scale	
Firmware security	3. For firmware security, the system should provide Silicon root of trust or equivalent. The feature should be immutable.	
	4. Should maintain a repository for firmware and driver recipes to aid rollback or patching of compromised firmware. Should also store Factory Recovery recipe preloaded to rollback to factory-tested secured firmware	
Server Management and firmware security	13. System remote management should support browser based graphical remote console along with Virtual Power button, remote boot using USB/CD/DVD Drive. It should be capable of offering upgrade of software and patches from a remote client using Media/image/folder; It should support server power capping and historical reporting and should have support for multifactor authentication	
	14. Server should have dedicated 1Gbps remote management port	
	15. Server should have storage space earmarked to be used as a repository for firmware, drivers and software components. The components can be organized in to install sets and can be used to rollback/patch faulty firmware	
	16. Server should support agentless management using the out-of-band remote management port	

	17. The server should support monitoring and recording changes in the server hardware and system configuration. It assists in diagnosing problems and delivering rapid resolution when system failures occur.	
	18. Remote console sharing up to 6 users simultaneously during pre-OS and OS runtime operation, Console replay - Console Replay captures and stores for replay the console video during a server's last major fault or boot sequence. Microsoft Terminal Services Integration, 128 bit SSL encryption and Secure Shell Version 2 support. Should provide support for AES and 3DES on browser. Should provide remote firmware update functionality. Should provide support for Java free graphical remote console. [Equivalent Feature]	
	19. Should support RESTful API integration	
	20. System should support embedded remote support to transmit hardware events directly to OEM or an authorized partner for automated phone home support	
	21. Server should have security dashboard: displaying the status of important security features, the Overall Security Status for the system, and the current configuration for the Security State and Server Configuration Lock features.	
	22. One-button Secure Erase designed to decommission/repurpose servers	
	23. NVMe wear level display [Optional Feature]	
	24. Provide server tuning recommendations to improve server performance.	
Server Management & Bechmarking	Software should support dashboard view to quickly scan the managed resources to assess the overall health of the data center. It should provide an at-a-glance visual health summary of the resource's user is authorized to view.	
	The Dashboard minimum should display a health summary of the following: • Server Profiles • Server Hardware • Appliance alerts	
	The Systems Management software should provide Role-based access control	
	Management software should support integration with popular virtualization platform management software like Vmware vCenter & vRealize Operations and Microsoft System Center & Admin Center	
	Should help provide proactive notification of actual or impending component failure alerts on critical components like CPU, Memory and HDD.	
	Solution should provide online access to the product, support information and provide information to track warranties, support contracts, and status	

	The Server Management Software should be of the same brand as of the server supplier.	
	SPEC INT_rate_base 2017 > 240 SPEC FP_rate_base 2017 > 353 for the product (must be available on SPEC dot ORG before evaluation)	
	The OEM / Brand must have presence in India as a manufacturer of similar items and support establishment for more than 10 years, the documentary proof should also be submitted.	
	The OEM for the proposed server must be in Leaders quadrant in any of the last three Gartner's report of "Magic Quadrant for Modular Servers" OR should have been one of the top three server vendors (by market share revenue in IDC in any of the previous 4 quarters)	
	Server should be provided with 5 Years 24x7x4 Support Directly from OEM. The 5 year support Undertaking submit along with the Bid specific to this tender and the support warranty document at the time of supply of material	

4) RHEL 9.3 and above comprehensive license for 5 Years: 1 Nos.

Items	Description of Requirement	Compliance Yes / No
RHEL 9.3 and above comprehensive license for 5 Years	Red Hat Enterprise Linux Server for 2 Sockets or 2 Guests	
	5 Year Subscription	
	24x7 Support E- LTU	

5) Server HDD 2.4TB 10K for upgrading our Existing Servers: 7 Nos

Items	Description of Requirement	Compliance Yes / No
Server HDD 2.4TB 10K	Server HDD 2.4TB 10K RPM 2.5inch SAS-12Gbps Enterprise Hard Drive, it should be compatible with our existing server.	

Terms and Conditions:

1. All equipment must be compatible with Indian electrical standards and codes.

2. Ensure to specify make & model of offered product and provide the compliance sheet.

3. Manufacturer Authorization Form from OEM Required.

4. The warranty of the product must be clearly specified.

5. The delivery period must be clearly mentioned.

6. Price should be **F.O.R IIT Kanpur/CIP New Delhi/FOB.**

7. **Bidders must have at least three years of experience and supplied the same/similar product in IITs/NITs or any other Govt. Organization.**

8. **The minimum average annual turnover of the bidder for the last 3 years must be 30 Lakhs, and the minimum average annual turnover must be 2.4 Crores for OEM.**

9. **Bidders are advised to upload copies of the previous supply of offered items for the reasonability price.**

10. The Institute reserves the right to cancel the tender at any stage without assigning any reason thereof.

Khaleeque Ahmad
Principal Computer Engineer
Computer Centre
Dean, Digital Infrastructure and Automation

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

Date: _____

To,
The Officer-in-charge
Central Stores
IIT Kanpur-208016

Sub: Acceptance of Terms & Conditions of Tender.

Tender Reference No: _____

Name of Tender / Work: -

_____

Dear Sir,

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

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

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

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

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

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

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

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

Certificate for Tender
(To be given on Company Letter Head)

Date: _____

To,
The Officer-in-charge
Central Stores
IIT Kanpur-208016

Sub: Certificate of compliance as per Rule 144 (xi) GFR's 2017

Tender Reference No: _____

Name of Tender / Work: -

_____

1."I have read the clause regarding restrictions on procurement from a bidder of a country which shares a land border with India; I certify that this bidder is not from such a country or, if from such a country, has been registered with the Competent Authority. I hereby certify that this bidder fulfils all requirements in this regard and is eligible to be considered. [Where applicable, evidence of valid registration by the Competent Authority shall be attached.]"

2. "I have read the clause regarding restrictions on procurement from a bidder of a country which shares a land border with India and on sub-contracting to contractors from such countries; I certify that this bidder is not from such a country or, if from such a country, has been registered with the Competent Authority and will not sub-contract any work to a contractor from such countries unless such contractor is registered with the Competent Authority. I hereby certify that this bidder fulfills all the requirements in this regard and is eligible to be considered. [Where applicable, evidence of valid registration by the Competent Authority shall be attached.]"

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

<u>**Declaration for Local Content**</u>
<u>**(To be given on Company Letter Head - For tender value below Rs.10 Crores)**</u>
<u>**(To be given by Statutory Auditor/Cost Auditor/Cost Accountant/CA for tender value**</u>
<u>**above Rs.10 Crores)**</u>

Date:
_____

To,
The Officer-in-charge
Central Stores
IIT Kanpur-208016

Sub: Declaration of Local content

Tender Reference No: _____

Name of Tender / Work: - _____

1. Country of Origin of Goods being offered: _____
2. We hereby declare that items offered has ____% local content.
3. Details of location(s) at which the local value addition is made: _____

"Local Content" means the amount of value added in India which shall, be the total value of the item being offered minus the value of the imported content in the item (including all customs duties) as a proportion of the total value, in percent.

*"*False declaration will be in breach of Code of Integrity under Rule 175(1)(i)(h) of the General Financial Rules for which a bidder or its successors can be debarred for up to two years as per Rule 151 (iii) of the General Financial Rules along with such other actions as may be permissible under law."*

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

Bid Security Declaration
(To be given on Company Letter Head)

Date: _____

To,
The Officer-in-charge
Central Stores
IIT Kanpur-208016

Sub: Certificate for bid security declaration

Tender Reference No : _____
Tender ID   : _____

Name of Tender / Work: -

_____

"I/We have read the clause regarding Bid Security Declaration/Earnest Money Deposit and I/We are fully aware that if I/We withdraw or modify the bid during the period of validity I may be suspended for a period of 3 years ."

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