



INDIAN INSTITUTE OF TECHNOLOGY, KANPUR

GT ROAD, KALYANPUR, KANPUR - 208016

UTTAR PRADESH, INDIA

TENDER REFERENCE NO.: IITK/CSE/PK/2025/01

BID SUBMISSION END DATE- 17.03.2025

Open Tender Enquiry

TENDER DOCUMENTS

For

"Purchase of High-Performance Computing Cluster"

(01 Set)

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.

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| Name of the Item | High-Performance Computing Cluster (01 Set) |
| Date of Publishing | 25.02.2025 at 11:00 Hrs. |
| Clarification Start Date and Time | 25.02.2025 at 11:00 Hrs. |
| Clarification End Date and Time | 17.03.2025 at 16:00 Hrs. |
| Queries (if any) | No queries will be entertained after clarification end date and time |
| Bid Submission Start Date | 25.02.2025 at 11:00 Hrs. |
| Last Date and time of uploading of Bids | 17.03.2025 at 16:00 Hrs. |
| Last Date and time of submitting , EMD and other documents at IIT Kanpur (if any) | The bidders must furnish Rs. 16,50,000/- as EMD in the form of the Demand Draft/FDR/BG in favour of the Registrar, IIT Kanpur, payable at Kanpur. |
| Date and time of opening of Technical Bids | 18.03.2025 at 16:00 Hrs. |
| Date and time of opening of Financial Bids | Will be separately notified for Technically shortlisted/qualified bidders |

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

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

(A)
INSTRUCTION FOR ONLINE BID SUBMISSION

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

1. REGISTRATION

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

2. SEARCHING FOR TENDER DOCUMENTS

- (i)** 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.
- (ii)** 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.
- (iii)** 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:

- (i)** For preparation of bid Bidders shall search the tender from published tender list available on site and download the complete tender document and should take into account corrigendum if any published before submitting their bids. After selecting the tender document same shall be moved to the ‘My favourite’ folder of bidders account from where bidder can view all the details of the tender

document.

- (ii) Bidder shall go through the tender document carefully to understand the documents required to be submitted as part of the bid. Bidders shall note the number of covers in which the bid documents have to be submitted, the number of documents – including the names and content of each of the document that need to be submitted. Any deviations from these may lead to rejection of the bid.
- (iii) Any pre-bid clarifications if required, then same may be obtained online through the tender site, or through the contact details given in the tender document.
- (iv) Bidders should get ready in advance the bid documents in the required format (PDF/xls/rar/dwf/jpg formats) to be submitted as indicated in the tender document/schedule. **Bid documents may be scanned with 100 dpi with black and white option which helps in reducing size of the scanned document.**
- (v) Bidders can update well in advance, the documents such as experience certificates, annual report, PAN, EPF & other details etc., under “My Space/ Other Important Document” option, which can be submitted as per tender requirements. This will facilitate the bid submission process faster by reducing upload time of bids.

4. SUBMISSION OF BIDS:

- (i) Bidder should log into the site well in advance for bid submission so that he/ she upload the bid in time i.e. on or before the bid submission time. Bidder will be responsible for any delay.
- (ii) Bidder should prepare the EMD as per the instructions specified in the NIT/ tender document. The details of the DD/BC/BG/ others 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.
- (iii) While submitting the bids online, the bidder shall read the terms & conditions (of CPP portal) and accepts the same to proceed further to submit their bid.
- (iv) Bidders shall select the payment option as offline to pay the EMD and enter details of the DD/BC/BG/others.
- (v) Bidder shall digitally sign and upload the required bid documents one by one as indicated in the tender document.
- (vi) Bidders shall note that the very act of using DSC for downloading the tender document and uploading their offers is deemed to be a confirmation that they have read all sections and pages of the tender document without any exception and have understood the complete tender document and are clear about the requirements of the tender document.
- (vii) Bid documents may be scanned with 100 dpi with black and white option which helps in reducing size of the scanned document. For the file size of less than 1 MB, the transaction uploading time will be very fast.
- (viii) **If price quotes are required in XLS format, utmost care shall be taken for uploading Schedule of quantities & Prices and any change/ modification of the price schedule shall render it unfit for bidding.**

Bidders shall download the Schedule of Quantities & Prices i.e. Schedule-A, in XLS format and save it without changing the name of the file. Bidder shall quote their rate in figures in the appropriate cells, thereafter, save and upload the file in financial bid cover (Price bid) only.

If the template of Schedule of Quantities & Prices file is found to be modified/corrupted in the eventuality by the bidder, the bid will be rejected and further dealt as per provision of clause no 23.0 of ITB including forfeiture of EMD.

The bidders are cautioned that uploading of financial bid elsewhere i.e. other than in cover 2 will result in rejection of the tender.

- (ix) Bidders shall submit their bids through online e-tendering system to the Tender Inviting Authority (TIA) well before the bid submission end date & time (as per Server System Clock). **The TIA will not be held responsible for any sort of delay or the difficulties faced during the submission of bids online by the bidders at the eleventh hour.**
- (x) After the bid submission (i.e. after Clicking “Freeze Bid Submission” in the portal), the bidders shall **take print out of system generated acknowledgement** number and keep it as a record of evidence for online submission of bid, which will also act as an entry pass to participate in the bid opening.
- (xi) Bidders should follow the server time being displayed on bidder’s dashboard at the top of the tender site, which shall be considered valid for all actions of requesting, bid submission, bid opening etc., in the e-tender system.
- (xii) All the documents being submitted by the bidders would be encrypted using PKI (Public Key Infrastructure) encryption techniques to ensure the secrecy of the data. The data entered cannot be viewed by unauthorized persons until the time of bid opening. The confidentiality of the bids is maintained using the secured Socket Layer 128 bit encryption technology.
- (xiii) Bidder will get all benefits under Rule 153 GFR-2017.

5. ASSISTANCE TO BIDDERS:

- (i) Any queries relating to the tender document and the terms and conditions contained therein should be addressed to the Tender Inviting Authority for a tender or the relevant contact person indicated in the tender. The contact number of end user is 0512-259-6344. Please call between 10:30 hrs to 17:00 hrs .
- (ii) Any queries relating to the process of online bid submission or queries relating to CPP Portal in general may be directed to the 24X7 CPP Portal Helpdesk. The 24 x 7 Help Desk Number 0120-4200462, 0120-4001002 and 0120-4001005. The helpdesk email id is support-eproc@nic.in

(B)
INSTRUCTION FOR e-PROCUREMENT

1. PREPARATION AND SUBMISSION OF BIDS:

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

2. SUBMISSION OF THE BID:

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

- a. Technical Bid should be upload online in cover-1.
- b. Financial Bid should be upload online in cover-2

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

3. TECHNICAL BID:

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

- a. **List of Documents to be scanned and uploaded (Under Cover-1) within the period of bid submission: -**
 - i. Scanned copy of Bank details and EMD.
 - ii. Scanned copy of work experience.
 - iii. Scanned copy of certificate of GST.
 - iv. Scanned copy of specifications/brochures & tender acceptance letter, Country of Origin of goods/services and local content on Appendix 1-3.
 - v. Scanned copy of another document mentioned in tender document (if any)
 - vi. Declaration for turnover and bidder’s credentials on Appendix 4-5.
 1. For The tender value upto Rs. 10 Crores - Self-Certificate for local content from the bidder.
 2. For the tender value above Rs. 10 Crores - Certificate for local content from Statutory Auditor/Cost Auditor/Cost Accountant/CA.

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

4. FINANCIAL BID

- a. The currency of all quoted rates shall be Indian Rupees. All payment shall be made in Indian Rupees.
- b. In preparing the financial bids, bidders are expected to take into account the requirements and conditions laid down in this Tender document. The financial bids should be uploaded online as per the specified “.Xls” format i.e. Price 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.

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

5. LAST DATE FOR SUBMISSION OF TENDER:

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

6. BID VALIDITY

- a. All the Bids must be valid for a period of 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.
- b. A bid valid for a shorter period shall be declared as non-responsive.
- c. In exceptional circumstances, prior to expiry of the original time limit, the IIT may request the bidders to extend the period of validity for a specified additional period beyond the original validity of 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:

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

8. REJECTION OF THE BID:

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

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

9. SELECTION CRITERIA:

Phase-I: Technical Evaluation & Sample Approval

Technical evaluation will be done on the basis of information given by technical bid submitted by the bidders. Bid containing partial, incomplete, uncleared and superfluous and unwanted information will be summarily rejected.

Technical declaration must be supported with relevant document. Discrepancy in relevant supporting document and technical compliance sheet shall lead to rejection of technical bids.

Phase-II

- a. Financial bids of technically qualified and approve samples 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. Late Delivery:

Delivery must be completed within the period mentioned in tender document from the date of receipt of the order. Penalty @ 0.5 % per week or part thereof subject to a maximum of 10% of the delivery price will be deducted from the balance payment if supply is not completed within stipulated period.

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

- I. 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).
- II. "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.
- III. "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
- IV. The beneficial owner for the purpose of (iii) above will be as under:
 1. 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-

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

2. 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;
3. 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 ;
4. 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.
5. 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 .

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

VI. 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 .

12. 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-I 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-I local supplier', 50% of the order quantity shall be awarded to L1. Thereafter, the lowest bidder among the 'Class-I local supplier' will be invited to match the L1 price for the remaining 50% quantity subject to the Class-I local supplier's quoted price falling within the margin of purchase preference, and contract for that quantity shall be awarded to such 'Class-I local supplier' subject to matching the L1 price. In case such lowest eligible 'Class-I local supplier' fails to match the L1 price or accepts less than the offered quantity, the next higher 'Class-I 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-I 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-I 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-I local supplier', the contract will be awarded to L1.
 - ii. If L1 is not 'Class-I local supplier', the lowest bidder among the 'Class-I local supplier', will be invited to match the L1 price subject to Class-I local supplier's quoted price falling within the margin of purchase preference, and the contract shall be awarded to such 'Class-I local supplier' subject to matching the L1 price.
 - iii. In case such lowest eligible 'Class-I local supplier' fails to match the L1 price, the 'Class-I 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-I local supplier' within the margin of purchase preference matches the L1 price, the contract may be awarded to the L1 bidder.
- (d) "Class-II local supplier" will not get purchase preference in any procurement, undertaken by procuring entities.

13. Integrity Pact (IP):

- 13.1 The Integrity Pact will be applicable only for tenders valued above 1 crore.
- 13.2 In accordance with the Central Vigilance Commission's letter No. 022/VGL/078/546789 dated 04.05.2023 and the Ministry of Education's notification No. C-34014/1/2022-Vig. dated 25.05.2023, the following persons have been appointed as Independent External Monitors (IEMs) for IIT Kanpur for three years:
 - (i) Shri Ranvir Singh, IEM1@iitk.ac.in
 - (ii) Shri P. V. V. Satyanarayana, IEM2@iitk.ac.in

- 13.3 All bidders must submit a signed soft copy (online) of the Integrity Pact with their bid documents for tenders over ₹1 crore. However, only the L-1 bidder (after the opening of the financial bid) will be required to submit the Integrity Pact on a ₹100 non-judicial stamp paper in hard copy, please see **Annexure-1**.
- 13.4 The Integrity Pact shall be part of the contract, and all parties are bound by its provisions.
- 13.5 If the Bidder does not submit the signed copy of the IP with Bid documents, the Bid will not be considered.

Pre-Contract Integrity Pact
(Applicable for all tenders of the value above Rs.1 Crore)

General

This pre-bid pre-contract Agreement (hereinafter called the Integrity Pact) is made on _____ day of the month of _____ 202__.

BY AND BETWEEN

The Indian Institute of Technology Kanpur represented through "**The Registrar**", having its office located at G.T. Road, Kalyanpur, Kanpur, Uttar Pradesh – 208016 (hereinafter called the "**BUYER**", which expression shall mean and include, unless **the** context otherwise requires, his successors in office and assigns) of the **First Party**;

AND

M/s _____ a
company incorporated under the Companies Act, 2013 through its representative/authorized signatory (insert name and designation of the officer) vide resolution dated _____ passed by the Board of Directors, having its registered office at _____

(hereinafter referred to as "**The Bidder(s)/Contractor(s)**" which terms or expression shall, unless excluded by or repugnant to the subject or context, mean and include its successor-in-office, administrators or permitted assignees) of the **Second Party**;

WHEREAS, the Institute/Buyer has floated the Tender bearing No. _____ (hereinafter referred to as "**Tender/Bid**") and intends to award, under laid down organization procedures, contract(s) for _____ (Name of the work/goods/ services). The Institution values full compliance with all relevant laws of the land, rules, regulations, economic use of resources and of fairness/transparency in its relations with its Bidder(s) and/or Contractor(s).

AND WHEREAS, the BIDDER is a private company/public company/Government undertaking/partnership/registered export agency, constituted in accordance with the relevant law in the matter and the BUYER is a body corporate and has been established under the provisions of the Institutes of Technology Act, 1961.

AND WHEREAS, in order to achieve these goals, in consultation with the CVC, the Govt. of India, Ministry of Education has appointed Independent External Monitors (IEMs), who will monitor the tender process and the execution of the contract for compliance with the principles mentioned above.

NOW, THEREFORE, to avoid all forms of corruption by following a system that is fair, transparent and free from any influence/prejudiced dealings prior to, during and subsequent to the currency of the contract to be entered into with a view to:-



Enabling the BUYER to obtain the desired said stores/equipment at a competitive price in conformity with the defined specifications by avoiding the high cost and the distortionary impact of corruption on public procurement, and

Enabling BIDDERS to abstain from bribing or indulging in any corrupt practice in order to secure the contract by providing assurance to them that their competitors will also abstain from bribing and other corrupt practices and the BUYER will commit to prevent corruption, in any form, by its officials by following transparent procedures.

The parties hereto hereby agree to enter into this Integrity Pact and agree as follows:

Section 1: Commitments of the BUYER

1. The BUYER commits itself to take all measures necessary to prevent corruption and to observe the following principles: -
 - (a) No employee of the BUYER, personally or through family members, shall in connection with the tender for, or the execution of a contract, demand, take a promise for or accept, for self or third person, any material or immaterial benefit which the person is not legally entitled to.
 - (b) The BUYER shall treat all Bidder(s) with equity and reason during the tender process. The BUYER shall, in particular, before and during the tender process, provide to all Bidder(s) the same information and shall not provide to any Bidder(s) confidential / additional information through which the Bidder(s) could obtain an advantage in the tender process or the contract execution.
 - (c) The BUYER shall exclude from the process all known persons having conflict of interest.
2. If the BUYER obtains information on the conduct of any of its employees which is a criminal offence under the IPC/PC Act, or if there be a substantive suspicion in this regard, the BUYER shall inform the Chief Vigilance Officer, IIT Kanpur and in addition shall initiate disciplinary proceedings.

Section 2: Commitments of BIDDERS

1. The BIDDER commits itself to take all measures necessary to prevent corrupt practices, unfair means and illegal activities during any stage of its bid or during any pre-contract or post-contract stage in order to secure the contract or in furtherance to secure it and in particular commit itself to the following:-
 - (a) The BIDDER will not offer, directly or through intermediaries, any bribe, gift, consideration, reward, favour, any material or immaterial benefit or other advantage, commission, fees, brokerage or inducement to any official of the BUYER, connected directly or indirectly with the bidding process, or to any person, organisation or third party related to the contract in exchange for any advantage in the bidding, evaluation, contracting and implementation of the contract.

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- (b) The BIDDER further undertakes that it has not given, offered or promised to give, directly or indirectly any bribe, gift, consideration, reward, favour, any material or immaterial benefit or other advantage, commission, fees, brokerage or inducement to any official of the BUYER or otherwise in procuring the Contract or forbearing to do or having done any act in relation to the obtaining or execution of the contract or any other contract with the Government for showing or forbearing to show favour or disfavour to any person in relation to the contract or any other contract with the Government.
- (c) The Bidder(s)/Contractor(s) of foreign origin shall disclose the name and address of the Agents/representatives in India, if any. Similarly, the Bidder(s)/Contractor(s) of Indian Nationality shall furnish the name and address of the foreign entity or associates, if any. Further details as mentioned in the "Guidelines of Indian Agents of Foreign suppliers" shall be disclosed by the Bidders(s)/Contractor(s). Further, as mentioned in the Guidelines all payments made to the Indian Agent/representative have to be in Indian Rupees only.
- (d) BIDDERS shall disclose the payments to be made by them to agents/brokers or any other intermediary, in connection with this bid/contract.
- (e) The BIDDER further confirms and declares to the BUYER that the BIDDER is the original manufacturer/integrator/authorised government sponsored export entity of the defence stores and has not engaged any individual or firm or company whether Indian or foreign to intercede, facilitate or in any way to recommend to the BUYER or any of its functionaries, whether officially or unofficially to the award of the contract to the BIDDER, nor has any amount been paid, promised or intended to be paid to any such individual, firm or company in respect of any such intercession, facilitation or recommendation.
- (f) The BIDDER, either while presenting the bid or during pre-contract negotiations or before signing the contract, shall disclose any payments he has made, is committed to or intends to make to officials of the BUYER or their family members, agents, brokers or any other intermediaries in connection with the contract and the details of services agreed upon for such payments.
- (g) The BIDDER will not collude with other parties interested in the contract to impair the transparency, fairness and progress of the bidding process, bid evaluation, contracting and implementation of the contract.
- (h) The BIDDER will not accept any advantage in exchange for any corrupt practice, unfair means and illegal activities.
- (i) The BIDDER shall not use improperly, for purposes of competition or personal gain, or pass on to others, any information provided by the BUYER as part of the business relationship, regarding plans, technical proposals and business details, including information contained in any electronic data carrier. The BIDDER also undertakes to exercise due and adequate care lest any such information is divulged.

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- (j) The BIDDER commits to refrain from giving any complaint directly or through any other manner without supporting it with full and verifiable facts.
- (k) The BIDDER shall not instigate or cause to instigate any third person to commit any of the actions mentioned above.
- (l) If the BIDDER or any employee of the BIDDER or any person acting on behalf of the BIDDER, either directly or indirectly, is a relative of any of the officers of the BUYER, or alternatively, if any relative of an officer of the BUYER has financial interest/stake in the BIDDER's firm, the same shall be disclosed by the BIDDER at the time of filing of tender. The term 'relative' for this purpose would be as defined in Section 2(77) of the Companies Act, 2013.
- (m) The BIDDER shall not lend to or borrow any money from or enter into any monetary dealings or transactions, directly or indirectly, with any employee of the BUYER.

Section 3: Disqualification from tender process and exclusion from future contracts:

1. If the Bidder(s)/Contractor(s), before award or during execution has committed a transgression through a violation of Section 2, above or in any other form such as to put their reliability or credibility in question, the Institute/Buyer is entitled to disqualify the Bidder(s)/Contractor(s) from the tender process or take action as per the procedure mentioned in the "Guidelines on Banning of Business Dealing".
2. Any violation of Integrity Pact would entail disqualification of the bidder(s) and exclusion from future business dealings, as per the existing provisions of GFR-2017, PC Act, 1988 and other Financial Rules/Guidelines etc. as may be applicable to the organization concerned.

Section 4: Compensation for Damages:

1. If the Institute/Buyer has disqualified the Bidder(s) from the tender process prior to the award according to Section 3, the Institute/Buyer is entitled to demand and recover the damages equivalent to Earnest Money Deposit/Bid Security.
2. If the Institute/Buyer has terminated the contract according to Section 3, or if the Institute/Buyer is entitled to terminate the contract according to Section 3, the Institute/Buyer shall be entitled to demand and recover from the Contractor liquidated damages of the Contract value or the amount equivalent to Performance Bank Guarantee.

Section 5: Previous Transgression

1. THE BIDDER(S) to disclose any transgressions with any other public/government organization that may impinge on the anti-corruption principle. The date of such transgressions, for the purpose of disclosure by the BIDDER(s) in this regard, would be the date on which cognizance of the said transgression was taken by the competent authority. The period for which such transgression(s) is/are to be reported by the bidders

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shall be the last **three years** to be reckoned from date of bid submission. The transgression(s), for which cognizance was taken even before the said period of three years, but are pending conclusion, shall also be reported by the BIDDERS.

2. The BIDDER agrees that if it makes incorrect statement on this subject, BIDDER can be disqualified from the tender process or the contract, if already awarded, can be terminated for such reason.

Section 6: Equal Treatment of all Bidders/Contractors/Sub-Contractors:

1. In the case of sub-contracting, the principal/main Contractor shall take the responsibilities of adoption of the Integrity Pact by the Sub-contractor.
2. The BUYER will enter into agreements with the identical conditions as this one with all bidders and Contractors.
3. The BUYER will disqualify from the tender process all bidders who do not sign this Pact or violate its provisions.

Section 7: Criminal Charges against violating Bidder(s)/Contractor(s)/Sub-Contractors:

1. If the Buyer obtains knowledge of the conduct of a Bidder, Contractor or Sub-contractor, or of an employee or a representative or an associate of a Bidder, Contractor or Sub-contractor which constitutes corruption, or if the Institute/Buyer has substantive suspicion in this regard, the Institute/Buyer will inform the same to the Chief Vigilance Officer, IIT Kanpur.

Section 8: Earnest Money (Security Deposit)

1. While submitting a commercial bid, the BIDDER shall deposit an amount of Rs. _____ (to be specified in RFP) as Earnest Money/Security Deposit, with the BUYER through any of the following instruments:
 - (i) Bank Draft in the favour of The **Registrar, IIT Kanpur**.
 - (ii) A confirmed guarantee by an Indian Nationalised Bank, promising payment of the guaranteed sum to the BUYER on demand within three working days without any demur whatsoever and without seeking any reasons whatsoever. The demand for payment by the BUYER shall be treated as conclusive proof of payment.
 - (iii) Any other mode or through any other instrument (to be specified in the RFP).
2. The Earnest Money (Security Deposit) should be valid up to a period of 45 days beyond the validity of the quote. However, the Security Deposit/Performance Bank Guarantee is to be obtained from the successful bidder which remain valid for a period of sixty days beyond the date of completion of contractual obligations of the supplier including warranty obligations. Bid security should be refunded to the successful bidder on receipt of Performance Security.

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3. In case of the successful BIDDER a clause would also be incorporated in the Article pertaining to Performance Bond in the Purchase Contract that the provisions of Sanctions for Violation shall be applicable for forfeiture of Performance Bond in case of a decision by the BUYER to forfeit the same without assigning any reason for imposing sanction for violation of this Pact.
4. No interest shall be payable by the BUYER to the BIDDER on Earnest Money/Security Deposit for the period of its currency.

Section 9: Sanctions for Violations

1. Any breach of the aforesaid provisions by the BIDDER or anyone employed by it or acting on its behalf (whether with or without the knowledge of the BIDDER) shall entitle the BUYER to take all or any one of the following actions, wherever required: -
 - (i) To immediately call off the pre contract negotiations without assigning any reason or giving any compensation to the BIDDER. However, the proceedings with the other BIDDER(s) would continue.
 - (ii) The Earnest Money Deposit (in pre-contract stage) and/or Security Deposit/Performance Bond (after the contract is signed) shall stand forfeited either fully or partially, as decided by the BUYER and the BUYER shall not be required to assign any reason, therefore.
 - (iii) To immediately cancel the contract, if already signed, without giving any compensation to the BIDDER.
 - (iv) To recover all sums already paid by the BUYER, and in case of an Indian BIDDER with interest thereon at 2% higher than the prevailing Prime Lending Rate of State Bank of India, while in case of a BIDDER from a country other than India with interest thereon at 2% higher than the LIBOR. If any outstanding payment is due to the BIDDER from the BUYER in connection with any other contract for any other stores, such outstanding payment could also be utilized to recover the aforesaid sum and interest.
 - (v) To encash the advance bank guarantee and performance bond/warranty bond, if furnished by the BIDDER, in order to recover the payments already made by the BUYER, along with interest.
 - (vi) To cancel all or any other Contracts with the BIDDER. The BIDDER shall be liable to pay compensation for any loss or damage to the BUYER resulting from such cancellation/rescission and the BUYER shall be entitled to deduct the amount so payable from the money(s) due to the BIDDER.
 - (vii) To debar the BIDDER from participating in future bidding processes of the Institute for a minimum period of two years, which may be further extended at the discretion of the BUYER.

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- (viii) To recover all sums paid in violation of this Pact by BIDDER(s) to any middleman or agent or broker with a view to securing the contract.
 - (ix) In cases where irrevocable Letters of Credit have been received in respect of any contract signed by the BUYER with the BIDDER, the same shall not be opened.
 - (x) Forfeiture of Performance Bond in case of a decision by the BUYER to forfeit the same without assigning any reason for imposing sanction for violation of this Pact.
2. The BUYER will be entitled to take all or any of the actions mentioned at para 9.1 (i) to (x) of this Pact also on the Commission by the BIDDER or anyone employed by it or acting on its behalf (whether with or without the knowledge of the BIDDER), of an offence as defined in Chapter IX of the Indian Penal Code, 1860 or Prevention of Corruption Act, 1988 or any other statute enacted for prevention of corruption.
 3. The decision of the BUYER to the effect that a breach of the provisions of this Pact has been committed by the BIDDER shall be final and conclusive on the BIDDER. However, the BIDDER can approach the Independent Monitor(s) appointed for the purposes of this Pact.

Section 10: Fall Clause

1. The BIDDER undertakes that it has not supplied/is not supplying similar product/systems or subsystems at a price lower than that offered in the present bid in respect of any other Ministry/Department of the Government of India or PSU and if it is found at any stage that similar product/systems or sub-systems was supplied by the BIDDER to any other Ministry/Department of the Government of India or a PSU at a lower price, then that very price, with due allowance for elapsed time, will be applicable to the present case and the difference in the cost would be refunded by the BIDDER to the BUYER, if the contract has already been concluded.

Section 11: Independent Monitors

1. The IEMs have been appointed by the Ministry of Education in consultation with the Central Vigilance Commission. The details of the IEMs are as follows:
 - (a) Mr. Ranvir Singh, IEM1@iitk.ac.in
 - (b) Mr. P.V.V. Satyanarayana, IEM2@iitk.ac.in
2. The task of the Monitor shall be to review independently and objectively, whether and to what extent the parties comply with the obligations under this Pact.
3. The Monitor shall not be subject to instructions by the representatives of the parties and perform their functions neutrally and independently.
4. Both the parties accept that the Monitor has the right to access all the documents relating to the project/procurement, including minutes of meetings.

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5. As soon as the Monitor notices, or has reason to believe, a violation of this Pact, he will so inform the Authority designated by the BUYER.
6. The BIDDER(s) accepts that the Monitor has the right to access without restriction to all Project documentation of the BUYER including that provided by the BIDDER. The BIDDER will also grant the Monitor, upon his request and demonstration of a valid interest, unrestricted and unconditional access to his project documentation. The same is applicable to Subcontractors. The Monitor shall be under contractual obligation to treat the information and documents of the BIDDER/Subcontractor(s) with confidentiality.
7. The BUYER will provide to the Monitor sufficient information about all meetings among the parties related to the Project provided such meetings could have an impact on the contractual relations between the parties. The parties will offer to the Monitor the option to participate in such meetings.
8. The Monitor will submit a written report to the designated Authority of BUYER within 8 to 10 weeks from the date of reference or intimation to him by the BUYER / BIDDER and, should the occasion arise, submit proposals for correcting problematic situations.
9. A person signing the IP Pact shall not approach the Court while representing the matter to IEMs and shall await the decision in the matter.
10. The IP would be implemented through a panel of Independent External Monitors (IEMs), appointed by the Ministry. The IEM would review independently and objectively whether and to what extent parties have complied with their obligations under the Pact on receipt of any complaint by them from the Bidder(s).
11. Integrity Pact (IP), in respect of a particular contract, shall be operative from the date IP is signed by both parties. The IEMs shall examine all the representations/grievances/complaints received by them from the bidders or their authorized representatives related to any discrimination on account of lack of fair play in modes of procurement and bidding systems, tendering method, eligibility conditions, bid evaluation criteria, commercial terms & conditions, choice of technology/specifications etc.
12. For ensuring the desired transparency and objectivity in dealing with the complaints arising out of the tendering process, the matter should be examined by the full panel of IEMs jointly, who would look into the records, conduct an examination, and submit their joint recommendations to the Management. In case the full panel is not available due to some unavoidable reasons, the available IEM(s) will conduct examination of the complaints. Consent of the IEM(s), who may not be available, shall be taken on the records.
13. In the event of any dispute between the management and the contractor relating to those contracts where Integrity Pact is applicable, in case, both the parties are agreeable, they may try to settle dispute through mediation before the panel of IEMs in

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a time-bound manner. If required, the organization may adopt any mediation rules for this purpose.

In case, the dispute remains unresolved even after mediation by the panel of IEMs, the organization may take further action as per the terms & conditions of the contract.

The fees/expenses on dispute resolution shall be equally shared by both parties.

14. If the Monitor has reported to the Management of the BUYER a substantiated suspicion of an offense under the relevant IPC/ PC Act, the Management of the BUYER will take action after examination of the veracity of the intent of the action.
15. The word "**Monitor**" would include both singular and plural.

Section 12: Facilitation of Investigation

1. In case of any allegation of violation of any provisions of this Pact or payment of commission, the BUYER or its agencies shall be entitled to examine all the documents, including the Books of Accounts of the BIDDER, and the BIDDER shall provide necessary information and documents in English and shall extend all possible help for the purpose of such examination.

Section 13: Law and Place of Jurisdiction

1. This Pact is subject to Indian Law. The place of performance and jurisdiction is the seat of the BUYER i.e., Kanpur Nagar.

Section 14: Other Provisions

1. The actions stipulated in this Integrity Pact are without prejudice to any other legal action that may follow in accordance with the provisions of the extant law in force relating to any civil or criminal proceedings.
2. Changes and supplements, as well as termination notices, need to be made in writing. Side agreements have not been made.
3. In the case of a joint venture, all the partners of the joint venture should sign the Integrity Pact. In the case of sub-contracting, the principal/main contractor shall take responsibilities of the adoption of IP by the sub-contractor. It is to be ensured that all sub-contractors also sign the IP. In the case of sub-contractors, the IP will be a tri-partite arrangement to be signed by the Institute/Buyer, the Contractor, and the sub-contractor.
4. Issues like Warranty/Guarantee etc. shall be outside the purview of the IEMs.
5. This Integrity Pact is deemed as part of the contract.

Section 15: Validity

1. The validity of this Integrity Pact shall be from the date of its signing and extend up to 5 years or the complete execution of the contract to the satisfaction of both the BUYER

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and the BIDDER/Seller, including the warranty period, whichever is later. In case BIDDER is unsuccessful, this Integrity Pact shall expire after six months from the date of the signing of the contract.

- Should one or several provisions of this Pact turn out to be invalid; the remainder of this Pact shall remain valid. In this case, the parties will strive to come to an agreement with their original intentions.

IN WITNESS WHEREOF, the parties hereunto set their hands and seals and executed this Integrity Pact as of the date/month/year first above written in the presence of following witnesses:

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For & on behalf of
The Indian Institute of Technology Kanpur
(First Party)

Signed, Sealed and delivered by

विश्व रंजन / Vishwa Ranjan
कुलसचिव / Registrar

Name: **Vishwa Ranjan**
Designation: **Registrar**
Address: **IIT Kanpur**, INDIA
(Authorized Signatory)

For & on behalf of
The M/s
(Second Party)

Signed, Sealed and delivered by

Name:
Designation:
Address:
(Authorized Signatory vide resolution dated passed by the Board of Directors)

In the presence of Witness:

- | | |
|-------------------|---------|
| 1.(Indenter) | 1. |
| 2. | 2. |

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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:

- a. "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;
- b. "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;
- c. "Day" means any calendar day;
- d. "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;
- e. "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 minimise possible damage;
- f. "Goods" means all of the goods to be supplied to the IITK by the Contractor under the Contract;
- g. "IITK" means the Indian Institute of Technology Kanpur;
- h. "IITK Purchase Order" means the IITK's official Purchase Order document;
 - (i) "Party" means the IITK or the Contractor and "Parties" means the IITK and the Contractor; and
 - (ii) "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

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.

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

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 provide a sample and undertake, certify, and guarantee that all Goods delivered shall be of the same quality and characteristics as the sample(s) provided.

6. INSPECTION AND ACCEPTANCE

6.1. The duly authorised 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 or samples, 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 and/or samples. Nothing in this clause shall in any way release the Contractor from any warranty or other obligations under the Contract.

7. SHIPPING AND INSURANCE

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

8. OBSERVANCE OF LAW AND EXPORT LICENCES

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.

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

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 invoice and payment shall be as specified in the Purchase Order. Unless otherwise authorised 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

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 of time 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

If, in accordance with clause 15, the IITK imposes penalties on the Contractor, such penalties shall amount to One percent (1%) 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

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

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

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

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

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

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

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

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 shall have full powers 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

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

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

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

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

33. GOVERNING LANGUAGE

The Contract / Purchase Order shall be executed in English, 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 CSE
Indian Institute of Technology Kanpur

Enquiry No: IITK/CSE/PK/2025/01

Enquiry date: 25.02.2025

Online bids are invited for the High-Performance Computing Cluster. The technical details are given below:

Technical Specifications for High-Performance Computing Cluster (01 Set)

1. Master Node – 1 nos

| Item | Description of Requirement | Complied (Yes/No) | Remarks (if any) |
|------------------------------|---|-------------------|------------------|
| Chassis | 2U Rack Mountable | | |
| CPU | Two number of 4th Generation or higher Intel Xeon Scalable Processor 2.0GHz, 20 cores or higher | | |
| Memory | Support for 32DIMM slots. Server should be configured with 8x64GB DDR5 4800MHz Memory or higher. Server should also support Memory RAS features such as Mirrored Memory with Advanced ECC & Fast Fault Tolerance. | | |
| Bus Slots | Server should support minimum Six * PCI-Express 5.0 slots or higher. | | |
| HDD Bays | 2 x 1.92TB SATA SSD or better. Server should provide minimum Internal 8* HDD Bays | | |
| Controller | Embedded / PCIe based RAID controller with Minimum 4GB cache supporting RAID 0, 1, 5, 6, 10, 50, 60. Above mentioned controller must support following: 1. Instant Secure Erase 2. Migrate RAID/Stripe Size 3. Modifying Cache Write Policy 4. Move Logical Drive 5. Load Balancing | | |
| Networking features | Server should be provided with: 1x 4P 1G BaseT ports 1x 2P 10G SFP+ ports 1x SP 400G NDR IB Adapter | | |
| Native Interfaces | 1* VGA port 4* USB 3.0 ports 1GbE Dedicated management port | | |
| Power Supply | Hot plug redundant 800W or higher halogen Platinum power supplies with minimum 94% efficiency | | |
| Industry Standard Compliance | ACPI 6.0 Compliant PCIe 5.0 Compliant Energy Star SMBIOS 3.0 Secure Digital 4.0 Advanced Encryption Standard (AES) Triple Data Encryption Standard (3DES) SNMP v3 AHSRAE A3/A4 | | |

| | | | |
|---|--|--|--|
| System Security | UEFI Secure Boot and Secure Start support Immutable Silicon Root of Trust FIPS 140-2 validation Configurable for PCI DSS compliance Support for Commercial National Security Algorithms (CNSA) Tamper-free updates - components digitally signed and verified Secure Recovery - recover critical firmware to known good state on detection of compromised firmware Ability to rollback firmware Secure erase of NAND/User data TPM (Trusted Platform Module) 2.0 Server OEM Bezel Locking & chassis Intrusion detection Kit | | |
| Operating Systems and Virtualization Software Support | Windows Server 2022 Red Hat Enterprise Linux (RHEL) SUSE Linux Enterprise Server (SLES) VMware ESXi. Canonical Ubuntu | | |
| Firmware security | 1. Should maintain repository for firmware and drivers recipes to aid rollback or patching of compromised firmware. Should also store Factory Recovery recipe preloaded to rollback to factory tested secured firmware 2. Server Configuration Lock - Protecting Systems in Transit and when Deployed in remote Locations 3. Security Dashboard for Server to detect possible security vulnerabilities | | |
| Server Management | 1. Server should have dedicated 1Gbps remote management port 2. Server should support agentless management using the out-of-band remote management port 3. Should support RESTful API integration 4. System should support embedded remote support to transmit hardware events directly to OEM or an authorized partner for automated phone home support. 5. The Server Management Software should be of the same brand as of the server supplier and provide Remote Management functionality. 6. Workload Performance Advisor - Provides server tuning recommendations to improve server performance | | |
| OEM Experience | 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. | | |
| Benchmark | SPEC INT_rate_base 2017: 361 or higher SPEC FP_rate_base 2017: 455 or higher for the product (must be available on SPEC dot ORG before evaluation) | | |
| Accessories | All cables, transceivers, CMA along with Rack mounting kits should be provided from day 1. | | |
| Support | Server should be provided with 5 Years 24x7x4 OEM Support | | |

2. Compute Node – 6 nos.

| Item | Description of Requirement | Complied (Yes/No) | Remarks (if any) |
|-----------|--|-------------------|------------------|
| Chassis | 2U Rack Mountable | | |
| CPU | Two number of 4th Generation or higher Intel Xeon Scalable Processor 2.0GHz, 40 cores or higher | | |
| Memory | Support for 32DIMM slots. Server should be configured with 8x64GB DDR5 4800MHz Memory or higher. Server should also support Memory RAS features such as Mirrored Memory with Advanced ECC & Fast Fault Tolerance. | | |
| Bus Slots | Server should support minimum Six * PCI-Express 5.0 slots or higher. | | |

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|---|---|--|--|
| HDD Bays | 2 x 1.92TB SATA SSD or better. Server should provide minimum Internal 8* HDD Bays | | |
| Controller | Embedded / PCIe based RAID controller with Minimum 4GB cache supporting RAID 0, 1, 5, 6, 10, 50, 60. Above mentioned controller must support following : 1. Instant Secure Erase 2. Migrate RAID/Stripe Size 3. Modifying Cache Write Policy 4. Move Logical Drive 5. Load Balancing | | |
| Networking features | Server should be provided with: 1x 4P 1G BaseT ports 1x SP 400G NDR IB Adapter | | |
| Native Interfaces | 1* VGA port 4* USB 3.0 ports 1GbE Dedicated management port | | |
| Power Supply | Hot plug redundant 1600W or higher halogen Platinum power supplies or higher with minimum 94% efficiency | | |
| Industry Standard Compliance | ACPI 6.0 Compliant PCIe 5.0 Compliant Energy Star SMBIOS 3.0 Secure Digital 4.0 Advanced Encryption Standard (AES) Triple Data Encryption Standard (3DES) SNMP v3 AHSRAE A3/A4 | | |
| System Security | UEFI Secure Boot and Secure Start support Immutable Silicon Root of Trust FIPS 140-2 validation Configurable for PCI DSS compliance Support for Commercial National Security Algorithms (CNSA) Tamper-free updates - components digitally signed and verified Secure Recovery - recover critical firmware to known good state on detection of compromised firmware Ability to rollback firmware Secure erase of NAND/User data TPM (Trusted Platform Module) 2.0 Server OEM Bezel Locking & chassis Intrusion detection Kit | | |
| Operating Systems and Virtualization Software Support | Windows Server 2022 Red Hat Enterprise Linux (RHEL) SUSE Linux Enterprise Server (SLES) VMware ESXi. Canonical Ubuntu | | |
| Firmware security | 1. Should maintain repository for firmware and drivers recipes to aid rollback or patching of compromised firmware. Should also store Factory Recovery recipe preloaded to rollback to factory tested secured firmware 2. Server Configuration Lock - Protecting Systems in Transit and when Deployed in remote Locations 3. Security Dashboard for Server to detect possible security vulnerabilities | | |
| Server Management | 1. Server should have dedicated 1Gbps remote management port 2. Server should support agentless management using the out-of-band remote management port 3. Should support RESTful API integration 4. System should support embedded remote support to transmit hardware events directly to OEM or an authorized partner for automated phone home support. 5. The Server Management Software should be of the same brand as of the server supplier and provide Remote Management functionality. | | |

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| | 6. Workload Performance Advisor - Provides server tuning recommendations to improve server performance | | |
| OEM Experience | 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. | | |
| Benchmark | SPEC INT_rate_base 2017: 672 or higher SPEC FP_rate_base 2017: 780 or higher for the product (must be available on SPEC dot ORG before evaluation) | | |
| Accessories | All cables, transceivers, CMA along with Rack mounting kits should be provided from day 1. | | |
| Support | Server should be provided with 5 Years 24x7x4 OEM Support | | |

3. GPU Node – 1 nos.

| Item | Description of Requirement | Complied (Yes/No) | Remarks (if any) |
|------------------------------|--|-------------------|------------------|
| Chassis | 2U Rack Mountable | | |
| CPU | Two number of 4th Generation or higher Intel Xeon Scalable Processor 2.0GHz, 32core or higher | | |
| Memory | Support for 24DIMM slots. Server should be configured with 8x64GB DDR5 4800MHz Memory or higher. Server should also support Memory RAS features such as Mirrored Memory with Advanced ECC & Fast Fault Tolerance. | | |
| Bus Slots | Server should support 4 * PCI-Express 5.0 slots apart from the Slots consumed by GPU's | | |
| HDD Bays | 2 x 1.92TB SATA SSD or better. | | |
| Controller | Embedded / PCIe based RAID controller with Minimum 8GB cache supporting RAID 0, 1, 5, 6, 10, 50, 60. Above mentioned controller must support following : 1. Instant Secure Erase 2. Migrate RAID/Stripe Size 3. Modifying Cache Write Policy 4. Move Logical Drive 5. Load Balancing | | |
| Networking features | Server should be provided with: 1x 4P 1G BaseT ports 1x SP 400G NDR IB Adapter | | |
| Interfaces | 1* VGA port 4* USB 3.0 ports 1GbE Dedicated management port | | |
| GPU | Server should be provided with either of the following: 1. 4 x H100 94GB NVIDIA GPU along with NVbridge/NVLink 2. 4 x H200 141GB NVIDIA GPU along with NVbridge/NVLink | | |
| Power Supply | Hot plug 4x 2000W or higher halogen Platinum power supplies or higher with minimum 94% efficiency | | |
| Industry Standard Compliance | ACPI 6.0 Compliant PCIe 5.0 Compliant Energy Star SMBIOS 3.0 Secure Digital 4.0 Advanced Encryption Standard (AES) Triple Data Encryption Standard (3DES) SNMP v3 AHSRAE A3/A4 | | |

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|---|---|--|--|
| System Security | UEFI Secure Boot and Secure Start support Immutable Silicon Root of Trust FIPS 140-2 validation Configurable for PCI DSS compliance Support for Commercial National Security Algorithms (CNSA) Tamper-free updates - components digitally signed and verified Secure Recovery - recover critical firmware to known good state on detection of compromised firmware Ability to rollback firmware Secure erase of NAND/User data TPM (Trusted Platform Module) 2.0 Server OEM Bezel Locking & chassis Intrusion detection Kit | | |
| Operating Systems and Virtualization Software Support | Windows Server 2022 Red Hat Enterprise Linux (RHEL) SUSE Linux Enterprise Server (SLES) VMware ESXi. Canonical Ubuntu | | |
| Firmware security | 1. Should maintain repository for firmware and drivers recipes to aid rollback or patching of compromised firmware. Should also store Factory Recovery recipe preloaded to rollback to factory tested secured firmware 2. Server Configuration Lock - Protecting Systems in Transit and when Deployed in remote Locations 3. Security Dashboard for Server to detect possible security vulnerabilities | | |
| Server Management | 1. Server should have dedicated 1Gbps remote management port 2. Server should support agentless management using the out-of-band remote management port 3. Should support RESTful API integration 4. System should support embedded remote support to transmit hardware events directly to OEM or an authorized partner for automated phone home support. 5. Should help provide proactive notification of actual or impending component failure alerts on critical components like CPU, Memory and HDD. 6. Management software should support integration with popular virtualization platform management software like VMware vCenter & vRealize Operations, and Microsoft System Center & Admin Center. 7. The Server Management Software should be of the same brand as of the server supplier and provide Remote Management functionality. 8. Workload Performance Advisor - Provides server tuning recommendations to improve server performance | | |
| OEM Experience | 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. | | |
| Benchmark | SPEC INT_rate_base 2017: 525 or higher SPEC FP_rate_base 2017: 620 or higher for the product (must be available on SPEC dot ORG before evaluation) | | |
| Accessories | All cables, transceivers, CMA along with Rack mounting kits should be provided from day 1. | | |
| Support | Server should be provided with 5 Years 24x7x4 OEM Support | | |

4. Input Output Node – 2 nos.

| Item | Description of Requirement | Complied (Yes/No) | Remarks (if any) |
|---------|--|-------------------|------------------|
| Chassis | 2U Rack Mountable | | |
| CPU | Two number of 4th Generation or higher Intel Xeon Scalable Processor 2.0GHz, 20core or higher | | |
| Memory | Support for 32DIMM slots. Server should be configured with 8x64GB DDR5 4800MHz Memory or higher. Server should also support Memory RAS features such as Mirrored Memory with Advanced ECC & Fast Fault Tolerance. | | |

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|---|---|--|--|
| Bus Slots | Server should support minimum Six * PCI-Express 5.0 slots or higher. | | |
| HDD Bays | 2 x 1.92TB SATA SSD or better. Server should provide minimum Internal 8* HDD Bays | | |
| Controller | Embedded / PCIe based RAID controller with Minimum 4GB cache supporting RAID 0, 1, 5, 6, 10, 50, 60. Above mentioned controller must support following : 1. Instant Secure Erase 2. Migrate RAID/Stripe Size 3. Modifying Cache Write Policy 4. Move Logical Drive 5. Load Balancing | | |
| Networking features | Server should be provided with: 1x 4P 1G BaseT ports 1x 2P 10G SFP+ ports 1x 1P 400G NDR IB Adapter | | |
| Native Interfaces | 1* VGA port 4* USB 3.0 ports 1GbE Dedicated management port | | |
| Power Supply | Hot plug redundant 800W or higher halogen Platinum power supplies with minimum 94% efficiency | | |
| Industry Standard Compliance | ACPI 6.0 Compliant PCIe 5.0 Compliant Energy Star SMBIOS 3.0 Secure Digital 4.0 Advanced Encryption Standard (AES) Triple Data Encryption Standard (3DES) SNMP v3 AHSRAE A3/A4 | | |
| System Security | UEFI Secure Boot and Secure Start support Immutable Silicon Root of Trust FIPS 140-2 validation Configurable for PCI DSS compliance Support for Commercial National Security Algorithms (CNSA) Tamper-free updates - components digitally signed and verified Secure Recovery - recover critical firmware to known good state on detection of compromised firmware Ability to rollback firmware Secure erase of NAND/User data TPM (Trusted Platform Module) 2.0 Server OEM Bezel Locking & chassis Intrusion detection Kit | | |
| Operating Systems and Virtualization Software Support | Windows Server 2022 Red Hat Enterprise Linux (RHEL) SUSE Linux Enterprise Server (SLES) VMware ESXi. Canonical Ubuntu | | |
| Firmware security | 1. Should maintain repository for firmware and drivers recipes to aid rollback or patching of compromised firmware. Should also store Factory Recovery recipe preloaded to rollback to factory tested secured firmware 2. Server Configuration Lock - Protecting Systems in Transit and when Deployed in remote Locations 3. Security Dashboard for Server to detect possible security vulnerabilities | | |

| | | | |
|-------------------|--|--|--|
| Server Management | <ol style="list-style-type: none"> 1. Server should have dedicated 1Gbps remote management port 2. Server should support agentless management using the out-of-band remote management port 3. Should support RESTful API integration 4. System should support embedded remote support to transmit hardware events directly to OEM or an authorized partner for automated phone home support. 5. The Server Management Software should be of the same brand as of the server supplier and provide Remote Management functionality. 6. Workload Performance Advisor - Provides server tuning recommendations to improve server performance | | |
| OEM Experience | 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. | | |
| Benchmark | <p>SPEC INT_rate_base 2017: 361 or higher</p> <p>SPEC FP_rate_base 2017: 455 or higher</p> <p>for the product (must be available on SPEC dot ORG before evaluation)</p> | | |
| Accessories | All cables, transceivers, CMA along with Rack mounting kits should be provided from day 1. | | |
| Support | Server should be provided with 5 Years 24x7x4 OEM Support | | |

5. Storage Array – 1 set

| Parameter | Functionality | Complied (Yes/No) | Remarks (if any) |
|---------------------------------------|---|-------------------|------------------|
| Operating System & Clustering Support | <ol style="list-style-type: none"> 1. The storage array should support industry-leading Operating System platforms including: Windows 2016 / 2019 / 2022, VMware and Linux. 2. Offered Storage Shall support all above operating systems in Clustering. | | |
| Capacity & Scalability | <ol style="list-style-type: none"> 1. The Storage Array shall be offered with at least 264TB raw capacity using NL SAS Drives 2. For effective power saving, Storage subsystem shall be supplied with 2.5" Small form factor SFF drives however storage subsystem shall also support LFF drives with the addition of required disk enclosures. 3. Storage shall be scalable to minimum of 240 number of SAS SFF drives. | | |
| Front-end Ports & Back-end Ports | <ol style="list-style-type: none"> 1. Offered Storage system shall be supplied with 4 * 12Gbps SAS ports per controller | | |
| Architecture | The storage array should support dual, redundant, hot-pluggable, active-active array controllers for high performance and reliability | | |
| No Single point of Failure | Offered Storage Array shall be configurable in a No Single Point of Failure configuration including Array Controller card, Cache memory, FAN, Power supply etc. | | |
| Disk Drive Support | <ol style="list-style-type: none"> 1. Storage system shall support Enterprise SAS spinning drives, SSD and near line SAS/ 7.2K RPM drives. 2. Offered storage array shall also have support for FIPS 140-2 validating self-encrypted drives. | | |
| Cache | <ol style="list-style-type: none"> 1. Offered Storage Array shall be given with Minimum of 12GB cache per controller in a single unit. 2. Cache shall be backed up in case of power failure for indefinite time either using batteries or capacitors or any other equivalent technology. 3. Offered Storage shall also have optional support for Flash cache using SSD / Flash drives. Offered storage shall support at-least 8TB Flash Cache. 4. Offered Flash cache shall be tuned for random read operations and shall remain activated even at less than 70% of random average read workload. | | |

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|--------------------------------------|---|--|--|
| Raid Support | 1. Offered Storage Subsystem shall support Raid 1, 10, 5 and Raid 6 2. All Raid Sets shall support thin provisioning. Vendor shall offer the license of thin provisioning for complete supported capacity of the array. 3. Thin provisioning shall be supported with offered Flash Cache. 4. Raid processing shall be offloaded to a dedicated ASIC instead of CPU. In case vendor is not supporting it then vendor shall ensure that additional 12GB cache per controller is configured to offset the raid processing workload. | | |
| Point in time and clone copy | 1. Offered Storage array shall be configured with array-based Snapshot and clone functionality and shall be configured for minimum of 512 snapshot licenses. 2. Offered Storage array shall support at-least 512 point in time copies (Snapshots) and 128 volume / Clone copies | | |
| Replication | 1. Offered storage subsystem shall support storage-based replication to DR location. License for maximum supported capacity of the array shall be offered. 2. Offered storage subsystem shall support replication to multiple storage array of the same family in fan-out mode. At least 1:4 mode shall be supported. | | |
| Virtualization and Thin provisioning | 1. Offered storage shall be offered and configured with virtualization capability so that a given volume can be striped across all spindles of given drive type within a given disk pool. Disk pool shall support all listed raid sets of Raid 1, Raid 10, Raid 5 and Raid 6. 2. Offered Storage shall be offered and configured with Thin Provisioning capability. | | |
| Data Tiering | Offered Storage shall also be configured for Sub-Lun Data tiering in real time fashion across different type of drives within a given pool like SSD, SAS, NL-SAS etc. License shall be configured for maximum supported capacity of the array. | | |
| Global and dedicated Hot Spare | 1. Offered Storage Array shall support Global hot Spare for offered Disk drives. 2. At least 2 Global hot spare drive shall be configured for every 30 drives. 3. Offered storage array shall have the support for distributed hot spare | | |
| Logical Volume & Performance | 1. Storage Subsystem shall support minimum of 512 Logical Units. Storage Array shall also support creation of more than 120TB volume at controller level. 2. Offered Storage shall have inbuilt performance management software. Configuration Dashboard shall show overall IOPS and MB/sec performance. | | |
| Load Balancing & Muti-path | 1. Multi-path and load balancing software shall be provided, if vendor does not support MPIO functionality of Operating system. | | |
| Performance | Offered storage shall have listed benchmark for performance of more than 250,000 in Raid 5 using appropriate drives at 8k block size. Vendor shall provide documentary proof for it. | | |
| Array Integration | Offered storage array shall have plug-in for VMware VCenter, Microsoft System center well as vStorage APIs (VAAI) for array integration. | | |

6. Enterprise Class Storage (PFS/OEM Lustre) – 1 set

| Specifications | Complied (Yes/No) | Remarks (if any) |
|--|-------------------|------------------|
| OEM supported/ based shared PFS or OEM Lustre of latest version with at least 200TB usable storage capacities with no single point of failure providing High Availability/Performance in an Active-Active configuration. Proposed Solutions should have Hardware base Active-Active Controller | | |
| Usable capacity must be post considering RAID-6 with 8D+2P | | |
| Hardware RAID should support various RAID levels 0, 5, 6, 10. | | |
| PFS must be configured with NDR ports per PFS I/O node | | |
| PFS should have complete software support with upgrades and training whenever required. PFS quoted must be verified and supported by the Storage OEM. | | |

| | | |
|---|--|--|
| The drive support for the system must support intermixing of SSD, SAS and NL-SAS/SATA drives to meet the capacity and performance requirements of the applications. | | |
| The storage should be supplied with rack mount kit. All the necessary connecting cables shall be provided and installed by the vendor | | |
| The Storage System should support standard to detect and corrects data integrity issues received from the I/O server | | |
| MDT with at least 2% of the PFS Storage size based on SAS 10K RPM or better. | | |
| Fully redundant components, automated I/O path failover and online administration that create “always-on” availability to ensure data is always accessible. | | |
| The integrated system must offer at least 4GBPS throughput and the same must be demonstrated using IOR benchmarking | | |
| Browser based software is required to real-time monitoring, quickly detect faulty disk/s and allow them to be replaced to avoid failure and data loss | | |
| Vendor is required to mount PFS storage as '/scratch' on respective master nodes of existing clusters and Gateway servers | | |
| The Storage hardware and software quoted should have 5 years support along with upgrade and updates. | | |

7. IB Switch – 1 set

| Requirement | Specifications | Complied (Yes/No) | Remarks (if any) |
|-----------------------------|--|-------------------|------------------|
| Infiniband Switch (Managed) | Qty - as per the solution design (InfiniBand NDR Switch) 100% Non-blocking configuration with NDR@400Gbps, InfiniBand Switches with appropriate Adapter | | |
| Form Factor | 2U or Less | | |
| Port | Minimum 64 X NDR 400Gb/s ports - InfiniBand NDR | | |
| Performance | Aggregate data throughput of 51Tb/s bidirectional or more | | |
| Management Ports | 100/1000 RJ45 Ethernet port, USB 3.0 | | |
| Connectors and Cabling | Transceivers and cables of suitable type & length as per the solution design along with required accessories to be provided. Sufficient numbers and lengths of cables as per the design of the solution must be provided | | |
| Power Supply | Dual Redundant power with Hot plug Operation | | |
| Operating System | Should come pre-installed with the certified OS with perpetual license. | | |

8. Ethernet Switch – 1 set

| Feature | Specifications | Complied (Yes/No) | Remarks (if any) |
|------------------------------------|---|-------------------|------------------|
| Architecture | Shall be 19" Rack Mountable | | |
| | 24 RJ-45 autosensing 10/100/1000 ports and 2 x1/10GbE ports SFP+ ports, PHY-less | | |
| | The switch should have 1 dual-personality (RJ-45 or USB micro-B) serial console port | | |
| | 1GB SDRAM and 12 MB Packet buffer size | | |
| | Shall have switching capacity of 128 Gbps or more | | |
| | Shall have up to 95 million pps switching throughput | | |
| | Dedicated stacking port or additional uplink ports for stacking and stacking bandwidth should be 40 Gbps | | |
| | The Switch should support 32000 MAC address | | |
| | The switch should have Routing table size of 2000 entries (IPv4), 1000 entries (IPv6) | | |
| Software Defined Networking | (Ethernet-1GbE Switch) Sufficient number of 1GbE switches as secondary network for Cluster administration and appropriate number and lengths of CAT-6 cables to be provided by the vendor | | |
| | OpenFlow protocol capability to enable software-defined networking | | |

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| (SDN) Capability | | | |
| Features | The switch should support HTTP redirect function | | |
| | The Switch should support Static IP Visibility to do accounting for clients with static IP address | | |
| Quality of Service (QoS) | The switch should support Traffic prioritization (IEEE 802.1p) to allow real-time traffic classification into eight priority levels mapped to eight queues | | |
| | The switch should support Layer 4 prioritization to enable prioritization based on TCP/UDP port numbers | | |
| | The switch should support Class of Service (CoS) to sets the IEEE 802.1p priority tag based on IP address, IP Type of Service (ToS), Layer 3 protocol, TCP/UDP port number, source port, and DiffServ | | |
| | The switch should support Rate limiting to sets per-port ingress enforced maximums and per-port, per-queue minimums | | |
| | The switch should Provide graceful congestion management | | |
| IPv6 Feature | The switch should support IPV6 host to enable switches to be managed in an IPv6 network | | |
| | The switch should support Dual stack (IPV4 and IPV6) to transition from IPV4 to IPV6, supporting connectivity for both protocols | | |
| | The switch should support MLD snooping to forward IPv6 multicast traffic to the appropriate interface | | |
| | The switch should support ACL and QoS for IPv6 network traffic | | |
| Performance and Security | The switch should support Energy-efficient Ethernet (EEE) to reduce power consumption in accordance with IEEE 802.3az | | |
| | The switch should support very low latency, increased packet buffering, and adaptive power consumption | | |
| | The switch should support Selectable queue configurations | | |
| | The switch should support Trusted Platform Module (TPM) for secure hardware-based generation and storage of cryptographic keys | | |
| | The switch should have facility to allow for increased performance by selecting the number of queues and associated memory buffering that best meet the requirements of the network applications | | |
| Convergence | The switch should support IP multicast routing and PIM Sparse and Dense modes to route IP multicast traffic | | |
| | The switch should support IP multicast snooping and IGMP | | |
| | The switch should support LLDP-MED (Media Endpoint Discovery) | | |
| | The switch should support IEEE 802.1AB Link Layer Discovery Protocol (LLDP) | | |
| | The switch should support Local MAC Authentication | | |
| Resiliency and high availability | The Switch should creates one virtual resilient switch from four switches and attached the network devices using standard LACP for automatic load balancing and high availability to simplify network operation by reduce the need for complex protocols like Spanning Tree Protocol (STP), Equal-Cost Multipath (ECMP), and VRRP | | |
| | The switch should support IEEE 802.1s Multiple Spanning Tree | | |
| | The switch should support IEEE 802.3ad link-aggregation-control protocol (LACP) and port trunking | | |
| | The switch should provide easy-to-configure link redundancy of active and standby links | | |
| Management | The switch should support SNMPv1, v2, and v3 | | |
| Manageability | The switch should support Dual flash images | | |
| | The switch should allow assignment of descriptive names to ports | | |
| | The switch should allow multiple configuration files to be stored to a flash image | | |
| | The switch should support RMON, XRMON, and sFlow | | |
| | The switch should provide advanced monitoring and reporting capabilities for statistics, history, alarms, and events | | |

| | | | |
|-------------------------------------|---|---------------------------------------|--|
| | The switch should support ingress and egress port monitoring enable network problem solving | | |
| | The switch should support Unidirectional link detection (UDLD) | | |
| Layer 2 switching | The switch should support IEEE 802.1Q (4094 VLAN IDs) and 2K VLANs simultaneously | | |
| | The switch should support Jumbo packet support | | |
| | The switch should support IEEE 802.1v protocol VLANs | | |
| | The switch should support Rapid Per-VLAN Spanning Tree (RPVST+) | | |
| | The switch should support GVRP and MVRP | | |
| | Layer 3 services | The switch should support DHCP server | |
| Layer 3 routing | The switch should support minimum 256 static IP routing | | |
| | The switch should support Routing Information Protocol (RIP) | | |
| | The switch should support RIPv1, RIPv2, and RIPv3 routing and support 10,000 RIP routes | | |
| | The switch should support OSPFv2 and OSPFv3 protocols for routing between access and the next layer on the LAN. | | |
| | The switch should support Policy-based routing | | |
| Additional Security Features | The switch should support IEEE 802.1X, Web-based authentication, MAC-based authentication | | |
| | The switch should support Access control lists (ACLs) | | |
| | The switch should provide IP Layer 3 filtering based on source/destination IP address/subnet and source/destination TCP/UDP port number | | |
| | The switch should support Source-port filtering | | |
| | The switch should support RADIUS/TACACS+ and SSH | | |
| | The switch should support Port security | | |
| | The switch should support MAC address lockout | | |
| | The switch should support STP BPDU port protection | | |
| | The switch should support DHCP protection | | |
| | The switch should support Dynamic ARP protection | | |
| | The switch should support STP root guard | | |
| | The switch should support Private VLAN | | |
| Environmental Features | Shall support IEEE 802.3az Energy-efficient Ethernet (EEE) to reduce power consumption | | |
| | Operating temperature of 0°C to 45°C | | |
| | Safety and Emission standards including EN 60950; IEC 60950; VCCI Class A; FCC Class A | | |
| Warranty and Support | The switch shall have 5 Year Warranty offered directly from the switch OEM including Software upgrades/updates | | |
| | The OEM shall be in Leaders Quadrant of Gartner report for Wired & Wireless LAN Infrastructure for minimum 5 Consecutive Years. | | |
| | The Proposed Switch / Switch OS shall have NdPP / EAL Certificate | | |

9. Software Stack – 1 set

| Type | Specifications | Complied (Yes/No) | Remarks (if any) |
|-------------------------|---|-------------------|------------------|
| Operating System | Open-Source Operating system | | |
| Job Scheduler | Bidder should propose a job scheduler which is fully supported by them. Job Scheduler either of Open PBS/Slurm or Licensed supported version PBS. | | |
| Storage | Storage solution should be offered with Lustre / BeeGFS open source parallel file system, supported by bidder for 5 years | | |

| | | | |
|---------------------------------------|---|--|--|
| Cluster Management Software | <ul style="list-style-type: none"> - Open-source Cluster Manager - GUI based tool to manage the Entire cluster from a single window. - Cluster manager with provisioning, monitoring and reporting Capabilities. - Should be able to perform OS provision (Rocky, Suse, Ubuntu or equivalent Long-term support Linux), Hardware Control, Infrastructure Discovery | | |
| Accelerator Support | GPU Node need to be configured with Multi-Instance GPU (MIG) on Hopper generation GPU as per requirement. Nvidia AI enterprise stack should be provided if available at no extra cost | | |
| Software & Support Service | 05 (Five) years 24x7 Onsite in terms of Upgrades, Patch Fixing, OS Provisioning, Reinstallation or Fresh Installation of complete Cluster on latest Linux OS along with software application, libraries installation. | | |

10. Benchmarking – 1 set

| Type | Specifications | Complied (Yes/No) | Remarks (if any) |
|-------------------------------|--|-------------------|------------------|
| SPEC | SPEC ratings for various nodes as mentioned above must be available on SPEC dot ORG before evaluation | | |
| PFS | <p>IOR Storage performance benchmark to evaluate parallel file system performance</p> <p>Open-source IOR/IO Zone benchmarks running on Compute nodes with 1MB block size.</p> <p>Benchmark result to be submitted along with bid and performance to be demonstrated by IOR/IOZONE</p> | | |
| HPL | <ol style="list-style-type: none"> 1. HP LINPACK benchmark for Single node / Two nodes / 4 nodes and total node count from complete cluster. 2. A separate HP LINPACK benchmark for GPU node | | |
| Memory | STREAM Benchmark measuring sustained main memory bandwidth | | |
| Flopcounts | Flop counts for single core, single node and complete system at FP8, FP16, FP32, FP64 floating-point precisions | | |
| Standard AI benchmarks | <p>MLPerf 4.1 set of benchmarks</p> <p>https://github.com/mlcommons/training</p> <p>https://mlcommons.org/benchmarks/training/</p> | | |
| Specific AI benchmarks | <p>For the following benchmarks, relaxation of up to 20% is admissible.</p> <ol style="list-style-type: none"> 1. Training RESNET50 on ImageNet1K in under 10 minutes https://huggingface.co/microsoft/resnet-50 2. Running the Cosmoflow benchmark within 5 hours https://github.com/mlcommons/hpc/tree/main/cosmoflow 3. Training BERT-base-uncased on SQuAD2.0 within 1 hour https://huggingface.co/deepset/bert-base-uncased-squad2 | | |
| Special Note 1 | Delivery of system will be only considered once vendor showcases above listed benchmarks | | |
| Special Note 2 | Performance of all listed HPC and AI benchmarks should meet the global standard on underling HPC compute, interconnect, I/O and storage basis | | |

11. Integration, Installation and Training – 1 set

| Type | Specifications | Complied (Yes/No) | Remarks (if any) |
|---|---|-------------------|------------------|
| Scope of Work | <p>Rack Mounting & Cabling for Complete HPC Stack with all other hardware components</p> <p>HPC entire Software Stack including: Operating System, libraries, application, PFS as required</p> <p>Acceptance test and fine tuning of HPC performance as per Tender will be accepted</p> | | |
| 3rd Party Involvement | <p>If any third party is involved in HPC integration or benchmarking, proof-of-prior-work or certificates must be provided as competence assurance for the 3rd party integrator</p> <p>The enlisted third-party integrator must have at least 5-year experience with integration and benchmarking of HPC systems. This should be demonstrated with handover documentation.</p> | | |

| | | | |
|---------------------------------|---|--|--|
| Pre-integration | Full Server configuration as listed should be tested and integrated at OEM manufacturing plant which includes all major components, drives, power supply, cooling fan, cabinet, bios etc. No local site integration of server components will be allowed. No rebranded product /OEM would be considered. The OEM must be actually manufacturing the products. The same might be asked to be proven. | | |
| Commitment Assurance | Master Node, Compute Node, GPU Node, I/O Node, PFS/Storage/Storage Array must be supplied by the OEM with OEM's Part No. along with OEM's Warranty and Support commitment. The Commitment letter must be submitted on OEM's letter head. | | |
| Catalog and Literature | The bidder must submit the product catalogues and literature of the proposed product in solution. Proposed hardware/software must have datasheet or literature on Public domain of respective OEM and should be available before publishing of Tender. No alteration in datasheet will be acceptable. | | |
| Bill of Material | The bidder must provide the Bill of Material with manufacturer's part numbers for the items proposed to meet the complete solution. Vendor should verify and certify that the items proposed are sufficient to integrate the proposed solution into a production mode. | | |
| Mandatory full-load test | Post setup and installation, for acceptance, the performance benchmark should meet the tender criteria and at least a 24 hours full-load test should be demonstrated by the vender wherein NO components (eg. CPU, GPU, RAM Modules, PSU, etc.) breaks down. | | |
| Training | At least 18 hour training with handover documents must be provided post installation | | |
| Delivery Completion | Delivery would be considered complete only after all the above requirements are fulfilled and the inspection report is signed. | | |

12. Warranty and Support – 1 set

| Specifications | Complied (Yes/No) | Remarks (if any) |
|---|--------------------------|-------------------------|
| 05 (Five) years 24x7 Onsite comprehensive warranty from respective OEM/ Vendor. The warranty on all the supplied hardware should be complete and must include all component supplied as part of the tender (e.g. battery on a RAID controller) | | |
| All products quoted should be with (5) years of warranty and support. Any new version available of the software proposed in the respective domain should be provided and implemented at no extra cost for entire contract period. | | |
| 05 (Five) years 24x7 Onsite in terms of Upgrades, Patch Fixing, OS Provisioning, Reinstallation or Fresh Installation of complete Cluster on latest Linux OS along with software application, libraries installation. Support should be provided by either bidder directly or via OEM or via system integrator. In case system integration is done via 3 rd party, support must be provided by the same system integrator or else by OEM themselves. | | |
| BID specific Warranty certificate and non-obsolete certificate from OEM must be supplied | | |

Minimum Eligibility Criteria and Terms and Conditions:

(A) Minimum Eligibility Criteria:

| | | |
|--|----|--|
| Integrity Pact (Applicable for the value of Rs. 1 Crore & above) | : | <ul style="list-style-type: none"> All bidders must submit a signed soft copy (online) of the Integrity Pact with their bid documents for tenders of ₹1 crore and above. However, only the L-1 bidder (after the opening of the financial bid) will be required to submit the Integrity Pact on a ₹100 non-judicial stamp paper in hard copy, please see Annexure-1. If the Bidder does not submit the signed copy of the IP with Bid documents, the Bid will not be considered. |
| Registration Certificate(s) | : | The bidder must be registered under the Companies Act 1956 or a registered firm. Registration Certificate must be submitted. The Bidder must have a registered office in India. |
| Experience | : | Bidders must have 3 years of experience in supplying similar types of equipment and long-term services for the same/similar model of equipment in IITs/NITs or any other Govt. Organization. |
| Minimum Average Annual Turnover of the Bidder (Last 3 years) | : | 2.75 Cr. |
| OEM Average Turnover (Last 3 years) | : | 22 Cr. |
| OEM/OSP Authorization | 1. | The Bidder should be an Original Equipment Manufacturer or Single Authorized System Integrator /Partner having direct purchase & support agreement with the OEM. Manufacturer Authorization Certificate must be submitted for specific tender number. |
| | 2. | The Bidder must be authorized by the manufacturer to supply, install and maintain the system. The specific authorization by the manufacturer for participating in this tender should be enclosed, otherwise quotation may be rejected. |
| Declaration of Local content (MII) | 1. | BID specific Make in India Certificate (declaration of local content) and non-obsolete certificate from OEM must be submitted. |
| Compliance Sheet | : | Complete Compliance is required on Bidder Letter Head, failing which the bid may be rejected. |
| Past Performance | 1. | The bidder/OEM should provide documentary evidence of having supplied, installed & integrated at least one HPC Cluster with InfiniBand high speed interconnect at a Govt. Organization of size 50TF or higher. Bidder/OEM must provide a certificate of satisfactory performance. |
| | 2. | OEM must have installations entry in the latest list of top 100 India's Supercomputing. |
| | 3. | Server OEM must have at least 5 HPC Clusters (each of 30TF or higher) installed in India in govt. organization during last 05 years, preferably IITs, IISERs, DAE, DST, University or other CFTIs. |

| | | |
|------------------------------|----|--|
| Earnest Money Deposit (EMD) | : | The bidders must furnish Rs. 16,50,000/- as EMD in the form of the Demand Draft/FDR/BG in favour of the Registrar, IIT Kanpur, payable at Kanpur. The EMD is to be submitted at the address given below. Bids without EMD will be summarily rejected. |
| Non-blacklisting certificate | : | Bidder should not have been banned/blacklisted by any government institution in previous years. Self-declaration by the bidder in this regard must be enclosed with the technical bid. If it is found later that the information given is incorrect/false, then the bid is liable to be rejected. |
| Other Mandatory Requirements | 1. | Storage OEM must have at least 2 PFS based Storage Systems based installations (each with 30TB Capacity or higher) as part of HPC Clusters in India during last 5 years. |
| | 2. | Bidder Should ensure that: <ul style="list-style-type: none"> • All H/W components offered are covered under OEM support enabling program. • A Certificate must be submitted with the bid signed by the OEM. • Defective Part replacement during warranty period within a period of 3 days. |
| | 3. | OEM should have direct local sales & support office in India. The OEM should have direct presence in India. i.e. OEM office & spare depots should be present in India. A letter confirming same from OEM is to be submitted. |
| | 4. | No EOL/EOS product should be quoted and the same should be stated on OEM letter head that EOL/EOS would not be there for quoted products for at least 3 years. |
| | 5. | Price should be quoted on the basis of 24x7. A bidder/OEM must have 24x7 support. |
| | 6. | Point by point compliance to all the above mentioned features should be provided by the firm. There should not be any deviation and if any, should be stated clearly. |
| | 7. | OEM should have public domain website or portal to check warranty status, download of firmware (BIOS, Controller, System Board), driver. Link(s) need to be submitted for the same. |

NOTE:

1. Prior experience may be relaxed for MSE and start-ups as per Govt. orders issued from time-to-time. Supporting documents should be submitted along with the bid document.
2. The condition of prior turnover and prior experience may be relaxed for Start-ups (as defined by the Department of Industrial Policy and Promotion) subject to meeting quality & technical specifications and making suitable provisions in the bidding document (Rule 173(i) of GFR, 2017). Supporting documents should be submitted along with the bid document.
3. IIT Kanpur will give exemption for submission of the EMD, who are registered with MSE, NSIC or start-ups as recognized by DIPP for the tendered item/services. However, proper and valid documents in this regard must be submitted by the bidders in support of their claim. **Traders, resellers, distributors, and authorized agents are not eligible to avail of benefits under the Public Procurement Policy 2012 for MSEs, as per the MSME guidelines issued by MoMSME. Only manufacturers of goods and service providers are eligible for exemption from EMD under the MSE category.**

(B) General terms and conditions:

| | |
|----|---|
| 1. | The price should be F.O.R IIT Kanpur/CIP New Delhi/FOB. |
| 2. | Feedback from previous customers will be part of the technical evaluation. |
| 3. | The Institute reserves the right to cancel the tender at any stage without assigning any reason thereof. |
| 4. | Payment Terms: The payment shall be released only after successful installation and final acceptance of the supplied goods. OR Letter of Credit (LC): 80% of the payment will be released upon shipment, with the remaining 20% after installation and final acceptance. |
| 5. | Performance Security: The Successful bidder has to submit Performance Security of (3%) of the contract value in favour of the Registrar, IIT Kanpur in the form of an Account Payee Demand Draft/Fixed Deposit Receipt from a commercial bank/Bank Guarantee (including e-Bank Guarantee). |
| 6. | Reasonableness of Rates: To validate the reasonableness of the quoted rates, the bidder(s) must submit a detailed price breakdown of the items listed in the past purchase orders pertaining to the same or similar items supplied to IITs/NITs/any other educational institutions in India. This breakdown must clearly specify the price of goods/services (Ex-works), handling, packing, shipping, insurance costs, foreign bank fee (LC), agency commission (INR), etc. |

Dr. Purushottam Kar

Department of CSE

IIT Kanpur,

Kalyanpur, Kanpur Nagar - 208016 (U.P.)

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)

Appendix -2

(Goods/Service Contracts)

(On Company/firm's Letterhead)

Tender No: _____

Dated: _____

CERTIFICATE

I/we have read the clause regarding restrictions on procurement from a bidder of a country that shares a land border with India; I/we hereby certify that this bidder is not from such a country and is eligible to be considered.

OR (whichever is applicable)

I/we have read the clause regarding restrictions on procurement from a bidder of a country that shares a land border with India; I/we hereby certify that this bidder is from _____ (Name of Country) and has been registered with the Competent Authority.

I/we also certify that this bidder fulfills all the requirements in this regard and is eligible to be considered.

(Copy/ evidence of valid registration by the Competent Authority is to be attached with the bid document)

Signature of the Authorized Person

Date: _____

Full Name: _____

Place: _____

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

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)

FINANCIAL INFORMATION
(On the letter head of CA)

Tender No: _____ dated: _____

Item Name: _____

Bidder's/Firm's Name: _____

Address and Contact No: _____

PAN No.: _____, GST No: _____

Details to be furnished duly supported by figures in the Balance Sheet/ Profit & Loss Account for the last three preceding years (Financial years) duly certified by the Chartered Accountant, as submitted by the applicant to the Income Tax Department (copies to be attached).

| Sl. No. | Details | Year ending 31 st March | | |
|---------|-----------------------|------------------------------------|------------|------------|
| | | FY 2021-22 | FY 2022-23 | FY 2023-24 |
| 01 | Gross annual turnover | | | |
| 02 | Profit (+)/ Loss (-) | | | |

1. Income Tax Return
2. Audited Account of the company for last three years

This is to certify that to the best of my knowledge and belief, the aforesaid facts and figures are correct and in conformity with the books of accounts of the establishment.

Dated:

Signature of Chartered Accountant
with seal and membership number

Bidder's Details
(On the letter head of the Bidder)

| | | | |
|---|---|-------------------|--|
| 1 | Name of the Firm/ Company | | |
| 2 | Offered Product Name, Make and Model | | |
| 3 | Name and Designation of Authorised Signatory | | |
| 4 | Office Address of the Firm / Communication Address: | | |
| 5 | Phone No/Mobile No: | | |
| 6 | E-Mail ID: | | |
| 7 | GST registration Number: | | |
| 8 | PAN Number: | | |
| 9 | Firm's Bank Account details | Bank Account No.: | |
| | | Name of the Bank: | |
| | | IFS Code No.: | |
| | | Name of Branch: | |
| Particular Details of the Bidders Representative | | | |
| 10 | Contact Person: Mobile No: | Name of Person: | |
| | | Designation: | |
| | | Tele/Mobile No: | |
| | | Email ID: | |

Authorized Signatory (signature in full):

Name and Title of Signatory:

Company Rubber Stamp: