



भारतीय विज्ञान शिक्षा एवं अनुसंधान संस्थान कोलकाता

INDIAN INSTITUTE OF SCIENCE EDUCATION AND RESEARCH KOLKATA

(An Autonomous Institute under Ministry of HRD, Deptt. of Higher Education, Govt. of India)

PO: MOHANPUR, DIST. NADIA, PIN - 741246, WEST BENGAL, INDIA

E-Mail: purchase@iiserkol.ac.in

REF. NO. IISER-K/GEM/1028/G/DCS/24-25

महत्वपूर्ण जानकारी/ IMPORTANT INFORMATION

एनआईटी संदर्भ सं / NIT REF. NO.	:	IISER-K/GEM/1028/G/DCS/24-25
वस्तु विवरण / ITEM DESCRIPTION	:	PURCHASE AND INSTALLATION OF HIGH-PERFORMANCE CLUSTER WITH STANDARED ACCESSORIES AS PER THE SPECIFICATION GIVEN IN ANNEXURE-VI
निविदा प्रकार / TENDER TYPE	:	OPEN BID
कवर की संख्या / NO. OF COVER	:	TWO COVER SYSTEM
CONTACT INFORMATION	:	Designated Officer: Assistant Registrar Department: Store & Purchase Department IISER KOLKATA, MOHANPUR CAMPUS, NADIA, 741246, WEST BENGAL Email ID: purchase@iiserkol.ac.in WEBSITE : https://www.iiserkol.ac.in/

All intending bidders are requested to read the tender documents carefully and quote accordingly with proper relevant documents. Bidders are requested to upload only relevant document as per the tender terms and conditions and required specification. The competent authority has the right to ask the technical clarification and price justification from the selected bidder. Group wise evaluation will be made. Bidder should upload details technical quotation along with the specification, brand, purity of the offered items as applicable.

DETAILS OF IEM

Sh. Bipin Bihari Mallick, IAS [Retd.]	bipinmallick@gmail.com
Sh. Sudhir Kumar [former Addl. Director General, CPWD]	officeofsudhirtomar@gmail.com

GENERAL TERMS AND CONDITION

1. Bidders should be the original manufacturer or an authorized dealer. For the later, Letter of Authorization from original manufacturer on the same and specific to the tender should be enclosed. An authorized dealer is strongly discouraged to authorize another dealer to quote on their behalf.
2. The OEM/authorized dealer must have service support team for providing the after-sale service for warranty and onsite service near IISER Kolkata, preferably at Kolkata.
3. Bidder must have supplied similar GOODSs/ goods of equal value or more to any Govt. organization. Copy of valid order to be enclosed along with the technical bid.
4. Bidder will be responsible for delivery of the goods within the given delivery period
5. Data/Specification sheet of the quoted model must be attached along with technical bid.
6. Technical compliance sheet with point wise explanation of the Specification as per **Annexure-VI** must be attached along with technical bid.
7. Bidder should upload the details of company profile along with technical and financial credibility as following:
 - Current Trade License, Incorporation Certificate (if Applicable)
 - Company PAN Card,
 - GST Registration certificate,
 - up to date P-Tax Challan,
 - ITR and Profit and Loss statement with Balance Sheet for Last Three Financial Year etc.
 - Details Office Address with the details of contact person
 - Past Experience of Similar nature of Job in Government Organization.
8. **Further Bidders are instructed to upload all the annexure duly signed and as prescribed along with the compliance of technical specification and special terms and conditions.**

A. BID VALIDITY:

The quoted price shall be valid for a period of 180 days from the date of financial bid opening of the tender. The institute may issue the order within 180 days from the date of opening of financial bid i.e. within the period of bid validity.

- B. DELIVERY** The delivery of the consignment(s) is/are required to be made within 40 days from the issue of the Purchase Order.

C. PRICES: The price should be quoted on Door **Delivery IISER Kolkata** basis including applicable Taxes, Charges etc. The bidder shall also show the amount of each item, the total of each section and the grand total of the whole tender.

D. PERFORMANCE SECURITY:

The supplier shall require to submit the performance security in the form of irrevocable bank guarantee issued by any Indian Nationalized Bank /Schedule Bank for an amount of 05 (five) percent of the order value within 10 days from the date of installation and should valid for a period of 60 days beyond the date of completion of all contractual obligations of the supplier including warranty. Compliance sheet of the Performance Security are mentioned in the specification.

The Performance Security will be forfeited and credited to the Institute's account in the event of a breach of contract by the supplier. The decision of the Competent Authority of IISER Kolkata in this respect will be final and binding on all the stake holders. Performance Security may be refunded to the supplier without interest, after it duly performs and completes the contract in all respects.

E. PAYMENT: The payment will be made within 30 days after completion of the successful installation, commissioning, demonstration of the whole system, imparting training. In case of Purchase Order value is equal or more than Rs. 5 Lac, Performance Security @5 of total Order value valid till 2 months beyond warranty period from the date of installation should be submitted before release of the payment.

F. INSTRUCTION FOR BILL SUBMISSION: The bill must be submitted in original with sign and seal/ e-invoice along with original challan as applicable, proof of delivery of the items at IISER Kolkata (bill/challan with security stamp, date given at the gate entrance or tracking report in case of courier), copy of full order, amendment order, order in respect of delivery extension, copy of Performance Bank Guarantee (if applicable) already submitted and any other relevant document.

Additionally in case of non-recurring items, warranty and installation certificate as per order clearly mentioning the order reference, items installed and the deceleration confirming satisfactory installation and working status of the items, must be submitted

1. **Advance payment:** No advance payment shall be made.

G. BANK CHARGES:

1. ***For Foreign Procurement:*** All the bank charges inside India like LC opening Charges, TT Charges etc is to be charged to IISER Kolkata's Bank Account and outside India charges is to be charged to the

beneficiary's account.

2. **For Indigenous Procurement:** NEFT/RTGS/Out Station Bank Charges etc. to the beneficiary account.

H. SUPPORTING GOODS:

If GOODS will require indigenous supporting instruments/accessories (computer, printer, online UPS etc.) at the time of the installation, the same should be quoted in separate quotation.

I. SERVICE FACILITY:

Supplier should mention about the possible service set up in India and how capable they are to provide after sales service.

J. DUTIES

IISER Kolkata is exempted from paying custom duty under notification No.51/96 (partially or full) and necessary "Custom Duty Exemption Certificate" can be issued after providing following information and Custom Duty Exemption Certificate will be issued to the shipment in the name of the Institute, (no certificate will be issued to third party): The procured product should be used for teaching, scientific and research work only.

1. Shipping details i.e. Master Airway Bill No. and House Airway No. (if exists)
2. Forwarder details i.e. Name, Contact No., etc.
3. Quotation with details of Basic Price, Rate, Tax & Amount on which ED is applicable
4. Supply Order Copy
5. Proforma -Invoice Copy.

K. Institute may provide Customs Duty Exemption Certificate in terms of Notfn. No.51/96-Customs dt. 23.07.1996 against proforma invoice.

L. **AGENCY COMMISSION:** No agency commission will be paid.

M. SITE PREPARATION:

The supplier shall inform the Institute about the site preparation, if any, needed for the installation of GOODS, immediately after the receipt of the purchase order. The supplier must provide complete details regarding space and all the other infrastructural requirements needed for the GOODS, which the Institute should arrange before the arrival of the GOODS to ensure its timely installation and smooth operation thereafter.

The supplier shall visit the Institute and see the site where the GOODS is to be installed and may offer his advice and render assistance to the Institute in the preparation of the site and other pre-installation requirements.

N. DOWNTIME:

During the warranty period if the problem is not resolved within three working days, a penalty will be imposed. Downtime will be counted from the date and time of the filing of complaint within the business hours.

O. AFTER SALES SERVICE:

After sales service should be provided satisfactorily as per the requirement of the Institute.

P. PUBLIC PROCUREMENT (PREFERENCE TO MAKE IN INDIA), ORDER:

The Institute has adopted and will comply with the Public Procurement (Preference to Make in India), Order 2017, DIPP, MoCI Order No. P-45021/2/2017-B.E.II dated 15th June 2017 and subsequent revised orders issued from time to time. Accordingly preference will be given suppliers as defined in the aforesaid order. The various categories of suppliers defined in the aforesaid order are reproduced below.

“Local Content” means the amount of value added in India which shall be value of the item procured (excluding net domestic indirect taxes) minus the value of the imported content in the item (including all the custom duties) as a proportion of the total value, in percent. Accordingly the suppliers will be classified in following categories.

- i) **Class I local supplier** – has local content equal to more than 50%
- ii) **Class II local supplier** – has local content more than 20% but less than 50%
- iii) **Non –local supplier** – has local content less than or equal to 20%

Verification of Local Content: The Class I Local Supplier /Class II Local Supplier/Non Local Supplier at the time of tender, bidding or solicitation shall be required to indicate the percentage of local content and provide self-certification that the items offered meets the local content requirement as the case may be as per **Annexure-VII**. The details of the location(s) at which the local value addition is made also needs to be mentioned. In case of procurement in excess of Rs.10 crores, the suppliers shall be required to submit a certificate towards percentage of local content from the authorities as stated in the aforesaid order in the technical bid itself.

False declarations will be in breach of the 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 2 years as per Rule 151(iii) of the General Financial Rules along with such other actions as may be permissible under law.

Q. Ministry of Finance OM No. 6/18/2019-PPD dated 23rd July 2020:

The Institute has adopted and will comply with Ministry of Finance OM No. 6/18/2019-PPD dated 23rd

July 2020. Any bidder from a country sharing 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). If applicable, relevant supporting document is required to be submitted in the technical bid itself.

R. DISPUTES AND JURISDICTION:

Any legal disputes arising out of any breach of contract pertaining to this tender shall be settled in the court of competent jurisdiction located within Kolkata, West Bengal.

S. FORCE MAJEURE:

The Supplier shall not be liable for forfeiture of its performance security, liquidated damages or termination for default, if and to the extent that, its delay in performance or other failure to perform its obligations under the Contract is the result of an event of Force Majeure.

- For purposes of this Clause, "Force Majeure" means an event beyond the control of the Supplier and not involving the Supplier's fault or negligence and not foreseeable. Such events may include, but are not limited to, acts of the Purchaser either in its sovereign or contractual capacity, wars or revolutions, fires, floods, epidemics, quarantine restrictions and freight embargoes.
- If a Force Majeure situation arises, the Supplier shall promptly notify the Purchaser in writing of such conditions and the cause thereof. Unless otherwise directed by the Purchaser in writing, the Supplier shall continue to perform its obligations under the Contract as far as is reasonably practical, and shall seek all reasonable alternative means for performance not prevented by the Force Majeure event.

T. LIQUIDITY DAMAGES:

1 % per week of the order value will be applicable for belated supply towards liquidated damages subject to maximum of 10 % beyond the due date. Such amount will be deducted from any amount due or which may become due to supplier.

The condition regarding the execution of LD Clause as mentioned above is given below

- 1) **For Indigenous Order:** Delivery/Installation from the date of issue of Purchase Order
- 2) **For Foreign Order:**
 - a) If the payment term is TT, delivery period will be counted from the date of issue of Purchase Order.
 - b) If the payment term is LC, delivery period will be counted from the date of establishment of LC.

U. RESOLUTION OF DISPUTES:

The dispute resolution mechanism to be applied pursuant shall be as follows:

- In case of Dispute or difference arising between the Purchaser and a domestic supplier relating to any matter arising out of or connected with this agreement, such disputes or difference shall be settled in accordance with the Indian Arbitration & Conciliation Act, 1996, the rules there under and any statutory modifications or re-enactments thereof shall apply to the arbitration proceedings. The dispute shall be referred to the Director, Indian Institute of Science Education and Research (IISER) Kolkata and if he is unable or unwilling to act, to the sole arbitration of some other person appointed by him willing to act as such Arbitrator. The award of the arbitrator so appointed shall be final, conclusive and binding on all parties to this order.
- In the case of a dispute between the purchaser and a Foreign Supplier, the dispute shall be settled by arbitration in accordance with provision of sub-clause (a) above. But if this is not acceptable to the supplier then the dispute shall be settled in accordance with provisions of UNCITRAL (United Nations Commission on International Trade Law) Arbitration Rules. The venue of the arbitration shall be the place from where the order is issued.

V. GOVERNING LANGUAGE

The contract shall be written in English language. English language version of the Contract shall govern its interpretation. All correspondence and other documents pertaining to the Contract, which are exchanged by the parties, shall be written in the same language.

W. TERMINATION FOR DEFAULT

The Purchaser may, without prejudice to any other remedy for breach of contract, by written notice of default sent to the Supplier, terminate the Contract in whole or part:

1. If the Supplier fails to deliver any or all of the Goods within the period(s) specified in the order, or within any extension thereof granted by the Purchaser; or
 2. If the Supplier fails to perform any other obligation(s) under the Contract.
 3. If the Supplier, in the judgment of the Purchaser has engaged in corrupt or fraudulent practices in competing for or in executing the Contract.
- For the purpose of this Clause:
 - 1) **“Corrupt practice”** means the offering, giving, receiving or soliciting of anything of value to influence the action of a public official in the procurement process or in contract execution.
 - 2) **“Fraudulent practice”** means a misrepresentation of facts in order to influence a

procurement process or the execution of a contract to the detriment of the Borrower, and includes collusive practice among Bidders (prior to or after bid submission) designed to establish bid prices at artificial non-competitive levels and to deprive the Borrower of the benefits of free and open competition;”

- In the event the Purchaser terminates the Contract in whole or in part, the Purchaser may procure, upon such terms and in such manner, as it deems appropriate, Goods or Services similar to those undelivered, and the Supplier shall be liable to the Purchaser for any excess costs for such similar Goods or Services. However, the Supplier shall continue the performance of the Contract to the extent not terminated

निर्माताओं के स्वचालन फार्म का प्रारूप

FORMAT OF MANUFACTURERS' AUTHORIZATION FORM

(On OEM letter head along with supporting documents, if any)

Tender Ref. No.:

To
The Director
Indian Institute of Science Education and Research Kolkata
Mohanpur- 741 246, Dist. Nadia, West Bengal

We, _____, are proven and reputable manufacturers of the Tendered Goods. We have factories at _____
_____. We hereby authorize Members _____ (name and address of the authorized dealer) to
submit a bid, process the same further and enter into a contract with you against the above referred
Tender Process for the supply of above Goods manufactured by us. Their registration number with us is
....., dated/ since.....

1) We further confirm that no Contractor or firm or individual other than Messrs.

... (Name and address of the above-authorized dealer) is authorized for this purpose.

2) As principals, we commit ourselves to extend our full support for warranty obligations, as applicable as
per the Tender Document, for the Goods and incidental Works/ Services offered for supply by the above
firm against this Tender Document.

3) Our details are as under:

(a) Name of the Company:.....

(b) Complete Postal Address:

(c) Pin code/ ZIP code:

(d) Telephone nos. (with country/ area codes):

(e) Fax No.: (with country/ area codes):

(f) Mobile Nos.: (with country/ area codes):

(g) Contact persons/ Designation:

(h) Email IDs:

4) We enclose herewith, as appropriate, our----- (Bye-Laws/ Registration Certificate/ Memorandum of Association/ Partnership agreement/ Power of Attorney/ Board Resolution)

Yours faithfully,

.....

[Signature with date, name, and designation]

for and on behalf of M/s.....

[Name & address of the OEM and seal of company]

Please fill up suitably

ANNEXURE-II

BIDDER INFORMATION FORM

(On company letter head along with supporting documents, if any)

Bidder's Name:

[Address and Contact Details]

Bidder's Reference No..... Date.....

Tender Document No.: _____; Tender Title: Goods/ Services.....

Note: Bidder shall fill in this Form following the instructions indicated below. No alterations to its format shall be permitted, and no substitutions shall be accepted. Bidder shall enclose certified copies of the documentary proof/ evidence to substantiate the corresponding statement wherever necessary and applicable. Bidder's wrong or misleading information shall be treated as a violation of the Code of Integrity. Such Bids shall be liable to be rejected as nonresponsive, in addition to other punitive actions provided for such misdemeanors in the Tender Document.

(Please tick appropriate boxes or strike out sentences/ phrases not applicable to you)

1) Bidder/ Contractor particulars:

(a) Name of the Company:.....

(b) Corporate Identity No. (CIN):

(c) Registration, if any, with The Procuring Entity:

(d) GeM Supplier ID (if registered with GeM, it is mandatory at the time of placement of Contract)

(e) Place of Registration/ Principal place of business/ manufacture

(f) Complete Postal Address:

(g) Pin code/ ZIP code:

(h) Telephone nos. (with country/ area codes):

(i) Mobile Nos.: (with country/ area codes):

(j) Contact persons/ Designation:

(k) Email IDs:

Company's Legal Status 1) Limited Company

(tick on appropriate option) 2) Undertaking

3) Joint Venture

4) Partnership

5) Others

Company Category 1) Micro Unit as per MSME

2) Small Unit as per MSME

3) Medium Unit as per MSME

4) Ancillary Unit

5) SSI

6) Others

2) Taxation Registrations:

PAN number:

Type of GST Registration as per the Act (Normal Taxpayer, Composition, Casual

Taxable Person, SEZ, etc.):

GSTIN number:in Consignor and Consignee States

Registered/ Certified Works/ Factory where the Goods would be mainly manufactured and Place of
Consignor for GST Purpose:

Contact Names, Nos. & email IDs for GST matters (Please mention primary and secondary ontacts):
.....

☐ We solemnly declare that our GST rating on the GST portal/ Govt. official website is not negative/
blacklisted.

Documents to be submitted: Self-attested Copies of PAN card and GSTIN Registration.

3) Authorization of Person(s) signing the bid on behalf of the Bidder

Full Name: _____

Designation: _____

Signing as: _____

☐ A sole proprietorship firm. The person signing the bid is the sole proprietor/ constituted attorney of the sole proprietor,

☐ A partnership firm. The person signing the bid is duly authorised being a partner to do so, under the partnership agreement or the general power of attorney,

☐ A company. The person signing the bid is the constituted attorney by a resolution passed by the Board of Directors or in pursuance of the Authority conferred by Memorandum of Association.

Documents to be submitted: Registration Certificate/ Memorandum of Association/ Partnership Agreement/ Power of Attorney/ Board Resolution

4) Bidder's Authorized Representative Information

Name:

Address:

Telephone/ Mobile numbers: Email Address:

(Name and designation)

Duly authorized to sign bid for and on behalf of

[Name & address of Bidder and seal)

ANNEXURE-III

निविदा की स्वीकृति / **ACCEPTANCE OF TENDER**
(TO BE PRINTED ON ORGANIZATION LETTER HEAD)

Tender Ref. No. :

To
The Director
Indian Institute of Science Education and Research Kolkata
Mohanpur- 741 246, Dist. Nadia, West Bengal

I/ We _____ (name and designation of the bidder) on behalf of _____ (name of the organization/company) have downloaded / obtained the tender document(s) for the above mentioned 'Tender from the website(s) namely **<https://eprocure.gov.in/eprocure/app>**. 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), specification terms and condition etc.), which form part of the contract agreement and I/ we shall abide hereby by the terms / conditions / clauses contained therein. The corrigendum(s) issued from time to time by your organization have also been taken into consideration, while submitting this acceptance letter.

I/ We hereby unconditionally accept the tender conditions of above-mentioned tender document(s) / corrigendum(s) in its totality / entirety. I/ We do hereby declare that our organization/company has not been blacklisted/ debarred by any Govt. Department/Public sector undertaking. I/ We certify that all information furnished by the our Firm is true & correct and in the event that the information is found to be incorrect/untrue or found violated, then your department/ organization shall without giving any notice or reason therefore or summarily reject the bid or terminate the contract.

(Signature of the Authorized Person with Organization Seal)

Designation with Contact No:

Company Name:

ANNEXURE-IV

सेवा समर्थन विवरण (सरकारी। संगठन/ विभाग की सूची)

SERVICE SUPPORT DETAILS (LIST OF GOVT. ORGANIZATION/DEPARTMENT)

Order issued by	Order No. & Date	Qty ordered	Quantity supplied	by Price at which supplied	Total value of the order	Status as on date

(Signature of the Authorized Person with Organization Seal)

Designation with Contact No:

Company Name:

ANNEXURE-V

निष्पादन सुरक्षा फ़ॉर्म / PERFORMANCE SECURITY FORM
BANK GUARANTEE FORMAT FOR PERFORMANCE SECURITY

(Ref Clause 9.4 of ITB and clause 5.8 of GCC) To the President of India, through Head of Procurement Procuring Organization [Complete address of the Procuring Entity]

Whereas..... (name and address of the contractor) (hereinafter called “the contractor”) has undertaken, in pursuance of contract no date..... to supply (description of goods and Works/ Services) (hereinafter called “the contract”). And Whereas you have stipulated it in the said contract that the contractor shall furnish you with a bank guarantee by a Commercial bank for the sum specified therein as security for compliance with its obligations as per the contract;

And whereas we have agreed to give the contractor such a bank guarantee.

Now Therefore we hereby affirm that we are guarantors and responsible to you, on behalf of the contractor, up to a total of(amount of the guarantee in words and figures), and we undertake to pay you, upon your first written demand declaring the contractor to be in default under the contract and without cavil or argument, any sum or sums within the limits of (amount of guarantee) as aforesaid, without your needing to prove or to show grounds or reasons for your demand or the sum specified therein.

We hereby waive the necessity of your demanding the full debt from the contractor before presenting us with demand.

We further agree that no change or addition to or other modification of the terms of the contract to be performed there under or of any of the contract documents which may be made between you and the contractor shall in any way release us from any liability under this guarantee, and we hereby waive notice of any such change, addition, or modification.

This guarantee shall be valid until the day of20..... Our..... branch at.....*(Name & Address of the*(branch) is liable to pay the guaranteed amount depending on the filing of a claim and any part thereof under this Bank Guarantee only

and only if you serve upon us at our* branch a written claim or demand and received by us at our* branch on or before Dt..... otherwise, the bank shall be discharged of all liabilities under this guarantee after that.

(Signature of the authorized officer of the Bank)

.....

.....

Name and designation of the officer

Seal, name & address of the
Bank and address of Branch

*Preferably at the headquarters of the authority competent to sanction the expenditure for the procurement of goods or at the concerned district headquarters or the state headquarters.

GENERAL SPECIFICATIONS OF THE HPC CLUSTER

SCHEDULE OF ITEM

Sl. No	Items	Numbers
01	Master Node	1
02	Compute Nodes <ul style="list-style-type: none"> Type 2A Compute Nodes Type 2B Compute Nodes Type 2C Compute Nodes 	8 2 1
03	Ethernet Switch	2
04	Rack and online UPS	1
05	Console	1
06	Software and Installation of HPC	1

Bidder must quote **unit price of the Server** for comparison. Delivery location is IISER Kolkata

1. Master Node: 1 No.

#	Component	Description	Compliance (Yes/No)	Remark
01	Make& Model	The server should be of reputed OEM. The make and model should be available in OEM's website for verification purpose. All servers should be of same OEM.		
02	Form Factor	2URack as suitable for machine of EIA standard.		
03	Configured CPU	Minimum 2 x 12 core processors, 24 threads 2.10GHz or better 24M cache or better		
04	Chipset	Compatible Chipset or processor OEM technology		
05	Raid Controller	12Gb/s Eight-Port H/W RAID Controller Support RAID 0,1,5,6		
06	Memory/Slots	256GB RAM ECC DDR5 RDIMM 4800 MT/s or better		
07	Disks for OS	2×960Gb (or1TB) SSD/NVMe for Operating System.		

#	Component	Description	Compliance (Yes/No)	Remark
08	Hard Disks for storage	70TB usable disk space for data storage expandable to 140TB usable disk space or more		
09	Ethernet port	2x1 Gbps ethernet ports 1x 100 Gbps ethernet port		
10	Display Port and Graphics	On board / PCI card with required cables for HDMI / DVI / VGA output.		
11	Certification and compliances	Applicable MII certificate		
12	OS to be installed	Linux for clusters with possibility of online upgradation. Suggested specifications should be given in bid. BIOS upgradation should be available online.		
13	Power Supply	As applicable.		
14	Security certificate recognized by MEITY	System's integrated remote management system should be minimum Evaluation Assurance Level (EAL) EAL2/CNSA or similar certified and the certificate from the agency should be submitted		
15	Warranty	5 years on-site service warranty on hardware support with next business day onsite response from OEM. Post supply, 5-year warranty of the product should reflect in the support web site of the OEM from the date of installation.		

2. Compute Nodes:

Type 2A Compute Nodes: 8 nos.

#	Component	Description	Compliance (Yes/No)	Remark
01	Make& Model	The server should be of reputed OEM. The make and model should be available in OEM's website for verification purpose. All servers should be of same OEM.		
02	Form Factor	2URack as suitable for machine of EIA standard.		
03	Configured CPU	Minimum 2 × 32 cores with 64 threads, 2.6 GHz base frequency processor or better, 24M cache or better.		

#	Component	Description	Compliance (Yes/No)	Remark
04	Chipset	Compatible Chipset or processor OEM technology		
05	Memory/Slots	256GB RAM per node ECC DDR5 RDIMM 4800 MT/s or better		
06	SSD Disk	1×960GB (or 1TB) SSD per node		
07	Ethernet port	1×1 Gbps ethernet port 1x 100 Gbps ethernet port		
08	Display Port and Graphics	On board / PCI card with required cables for HDMI / DVI / VGA output.		
09	Certification and compliances	Applicable MII certificate.		
10	OS to be installed	Linux for clusters with possibility of online upgradation. Suggested specifications should be given in bid. BIOS upgradation should be available online.		
11	Power Supply	As applicable.		
12	Security certificate recognized by MEITY	System's integrated remote management system should be minimum Evaluation Assurance Level EAL2/CNSA or similar certified and the certificate from the agency should be submitted.		
13	Warranty	5 years on-site service warranty on hardware support with next business day onsite response from OEM. Post supply, 5-year warranty of the product should reflect in the support web site of the OEM from the date of installation.		

Type 2B Compute Nodes: 2 Nos.

#	Component	Description	Compliance (Yes/No)	Remark
01	Make& Model	The server should be of reputed OEM. The make and model should be available in OEM's website for verification purpose. All servers should be of same OEM.		
02	Form Factor	2URack as suitable for machine of EIA standard.		

#	Component	Description	Compliance (Yes/No)	Remark
03	Configured CPU	Minimum 2 × 32 cores with 64 Threads, 2.6 GHz base frequency processor or better, 24M cache or better.		
04	Chipset	Compatible Chipset or processor OEM technology		
05	Memory/Slots	512GB RAM per node ECC DDR5 RDIMM 4800 MT/s or better		
06	SSD Disks	1×960GB (or 1TB) SSD per node		
07	Ethernet port	1×1 Gbps ethernet port 1x 100 Gbps ethernet port		
08	Display Port and Graphics	On board / PCI card with required cables for HDMI / DVI / VGA output.		
09	Certification and compliances	Applicable MII certificate.		
10	OS to be installed	Linux for clusters with possibility of online upgradation. Suggested specifications should be given in bid. BIOS upgradation should be available online.		
11	Power Supply	As applicable.		
12	Security certificate recognized by MEITY	System's integrated remote management system should be minimum Evaluation Assurance Level EAL2/CNSA or similar certified and the certificate from the agency should be submitted.		
13	Warranty	5 years on-site service warranty on hardware support with next business day onsite response from OEM. Post supply, 5-year warranty of the product should reflect in the support web site of the OEM from the date of installation.		

Type 2C Compute Nodes: 1 No

#	Component	Description	Compliance (Yes/No)	Remark
01	Make& Model	The server should be of reputed OEM. The make and model should be available in OEM's website for verification purpose. All servers should be of same OEM.		

#	Component	Description	Compliance (Yes/No)	Remark
02	Form Factor	2URack as suitable for machine of EIA standard.		
03	Configured CPU	Minimum 2 × 32 cores with 64 Threads, 2.6 GHz base frequency processor or better, 24M cache or better.		
04	Chipset	Compatible Chipset or processor OEM technology		
05	Memory/Slots	1028 GB RAM per node ECC DDR5 RDIMM 4800 MT/s or better		
06	SSD Disks for OS	1×960GB (or1TB) SSD per node		
07	Ethernet port	1×1 Gbps ethernet port 1x 100 Gbps ethernet port		
08	Display Port and Graphics	On board / PCI card with required cables for HDMI / DVI / VGA output.		
09	Certification and compliances	Applicable MII certificate.		
10	OS to be installed	Linux for clusters with possibility of online upgradation. Suggested specifications should be given in bid. BIOS upgradation should be available online.		
11	Power Supply	As applicable.		
12	Security certificate recognized by MEITY	System's integrated remote management system should be minimum Evaluation Assurance Level EAL2/CNSA or similar certified and the certificate from the agency should be submitted.		
13	Warranty	5 years on-site service warranty on hardware support with next business day onsite response from OEM. Post supply, 5-year warranty of the product should reflect in the support web site of the OEM from the date of installation.		

3. Ethernet Switches:**Type 3A : 1No.**

#	Component	Description	Compliance (Yes/No)	Remark
01	Ethernet Switch	24Port 1U Managed 1Gbps Ethernet Switch for Master Node. All ports activated with transceivers.		

Type 3B: 1No.

#	Component	Description	Compliance (Yes/No)	Remark
01	Ethernet Switch	24Port 1U Managed 100 Gbps Ethernet Switch for inter-node connect equivalent to Infiniband connections as far as possible. All ports activated with transceivers.		

4. Rack and online UPS:

#	Component	Description	Compliance (Yes/No)	Remark
01	Rack	42URack800*1000mm with all Standard Accessories as suitable for cluster in accordance with EAI standards		
02	Online UPS, Batteries, and accessories	2 online UPS with parallel load balance with minimum output of 20kW in each UPS + batteries+rack. Each UPS should be able to provide 20 mins backup (even in case of failure of any component of the other UPS). Remote monitoring facility should be available.		
03	Warranty	5 years on-site warranty on cluster rack, UPS, batteries and battery rack.		

5. Console:

#	Component	Description	Compliance (Yes/No)	Remark
01	Monitor	19"LCD Monitor with HDMI/VGA port		
02	Keyboard	US keyboard with numpad with USB connection		
03	Mouse	Optical mouse with USB connection		

6. Software and Installation of HPC:

#	Component	Description	Compliance (Yes/No)	Remark
01	HPC Cluster	<p>The following software setup should be undertaken by the bidder. Document certifying earlier setup of cluster computers should be provided. The HPC cluster will be installed and configured with a Linux-based OS. Intel One-API and Intel cluster suite along with Intel and GNU compilers and Math libraries to be installed. Slurm or similar Job Scheduler needs to be installed and setup as per instructions from the buyer. Ganglia or similar software should be used for Cluster Management. Compiler and other Software loading through modules should be implemented.</p> <p>Examples: Gaussian, VASP, QChem, Gromacs, ORCA, GAMESS and other OpenMP and MPI-parallel Fortran/C++ code.</p>		

Compliance:

Compliance Statement	Compliance statement needs to be provided by bidders clearly specifying YES / NO with remarks of all of the points mentioned above	Agreed Yes/No
Accessories	All the required accessories like power cables, display port cables etc. should be provided by the bidder.	
Time period for completion of installation of HPC Cluster	Maximum 3 months from the date of purchase order issued in favor of the Bidder / OEM as applicable.	
Lowest bidder (L1)	The lowest bidder (L1) will be decided as per Govt. norms.	

The bidders must comply with the above criteria and L1 Bidder has to submit one Bank guarantee.

- a) A portion of the L1 value as Performance Bank Guarantee (PBG) will be locked as per prevalent norms till completion of installation of Servers.
- b) In case of penalty the money will be recovered from the bidder or from the instruments of PBG.
- c) In case of unsatisfactory supply of hardware, installation or support of the HPC cluster the PBG can be acquired by IISER Kolkata.
- d) All prices must be in INR and delivery location is IISER Kolkata. Price must be quoted to deliver at IISER Kolkata.

(संगठन सील के साथ प्राधिकृत व्यक्ति के हस्ताक्षर)

(Signature of the Authorized Person with Organization Seal)

पदनाम / *Designation:*

संपर्क नंबर / *Contact No:*

कंपनी का नाम / *Company Name:*

ANNEXURE-VII

NO RELATIONSHIP CERTIFICATE

(On company letter head along with supporting documents, if any)

TO
THE DIRECTOR
INDIAN INSTITUTE OF SCIENCE EDUCATION AND RESEARCH KOLKATA
MOHANPUR- 741 246, DIST. NADIA, WEST BENGAL

Tender Reference Number:

- 1) I/We* hereby certify that I/We* am/are* related/not related (*) to any EMPLOYEE of IISER KOLKATA.
(If related provide the details of the employee)
- 2) I/We* am/are* aware that, if the facts subsequently proved to be false, my/our* contract will be rescinded with forfeiture security deposit and I/We* shall be liable to make goods the loss or damage resulting from such cancellation.
- 3) I/We* also note that, non-submission of this certificate will render my / our tender liable for rejection.

(Signature with date)

.....

(Name and designation)

Duly authorized to sign bid for and on behalf of

.....

.....

[Name & address of Bidder and seal of company]

***Please delete as appropriate**

ANNEXURE-VIII

SELF DECLARATION
[FOR LOCAL CONTENT OF PRODUCTS, SERVICES OR Works]
(On company letter head)

TO
THE DIRECTOR
INDIAN INSTITUTE OF SCIENCE EDUCATION AND RESEARCH KOLKATA
MOHANPUR- 741 246, DIST. NADIA, WEST BENGAL

Tender Reference Number:

1. With reference to Order no P.-45021/2/2017 PP (BE-II) dated 04.06.2020 of DPIIT, Ministry of Commerce and Industry, Govt. of India, we fall under the following category of supplier(please tick the correct category) for the items for which this tender has been floated and the bids are being submitted.
 - Class I local supplier – has local content equal to more than 50% ☐
 - Class II local supplier – has local content more than 20% but less than 50% ☐
 - Non -local supplier – has local content less than or equal to 20% ☐
2. We are solely responsible for the abovementioned declaration in respect of category of supplier. False declarations will be in breach of the Code of Integrity under Rule 175(1)(i)(h) of the General Financial Rules for which we may can be debarred for up to 2 years as per Rule 151(iii) of the General Financial Rules along with such other actions as may be permissible under law.
3. Detail of the location(s) at which the local value addition is made: _____

(Signature of the Authorized Person with Organization Seal)

Note:

- 1) In case of procurement value more than 10 crores, this certificate is to be issued by Statutory Auditor/Cost Auditor/ practicing Cost Accountant / practicing Chartered Accountant as applicable as per the aforesaid order).
- 2) The bidders offering the imported product will fall under the category of Non-local suppliers. They can't claim themselves as class-I local suppliers/Class-II local suppliers by claiming the service such as transportation, insurance, Installation, commissioning, training and after sales service support like AMC/CMC etc. as local value addition.

ANNEXURE-IX

FORM OF BID-SECURING DECLARATION
(To be printed on Organization Letter Head)

To
The Assistant Registrar (Store & Purchase Section)
Indian Institute of Science Education and Research Kolkata
Mohanpur Campus, Nadia, 741246, West Bengal

Tender Ref. No. _____

Dated _____

We, the undersigned hereby certify that if we withdraw or modify our Bid during the period of validity, or if we are awarded the contract and fail to sign the contract, or we fail to submit a performance security before the deadline defined in this tender document, we will be suspended for the period of 3 years from being eligible to submit Bids for contracts for which tenders are floated by the Institute.

Dated this _____ day of _____

For and on behalf of M/s. _____

Address: _____

Signature _____

INTEGRITY PACT**INTEGRITY PACT (IF THE ESTIMATED COST OF THE TENDER IS ₹ 1.0 CR OR ABOVE).****(To be submitted as part of technical bid)****INTEGRITY PACT FOR TENDER/BID REFERENCE NUMBER:**

This Agreement (hereinafter called the Integrity Pact) is made on _____ day of the month of _____ 202____ at _____, India.

BETWEEN

Procuring Organization, _____ through Head of the Procuring Organization, for and on behalf of President of India (hereinafter called the “The Principal”, which expression shall mean and include unless the context otherwise requires, his successors in office and assigns) of the First Part

AND

M/s. (hereinafter called the “The Bidder/Contractor” which expression shall mean and include, unless the context otherwise requires, his successors and permitted assigns) of the Second Part.

PREAMBLE

‘The Principal’ intends to award, under laid down organizational procedures, contract/ s for _____, ‘The Principal’ 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).

In order to achieve these goals, the principal shall appoint Independent External Monitors (IEMs) who shall monitor the tender process and the execution of the contract for compliance with the principles mentioned above.

Section 1 - Commitments of the ‘The Principal’

1. ‘The principal’ commits itself to take all measures necessary to prevent corruption and to observe the following principles: -
 - (a) No employee of the Principal, 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 principal shall, during the tender process, treat all Bidder(s) with equity and reason. The Principal 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 relation to the tender process or the contract execution.
 - (c) The principal shall exclude from the process all known prejudiced persons.

If the Principal 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 Principal shall inform the Chief Vigilance Officer and, in addition, can initiate disciplinary actions.

Section 2 - Commitments of the 'Bidder/ Contractor'

1. The 'Bidder/ Contractor' commit themselves to take all measures necessary to prevent corruption. The 'Bidder/ Contractor' commit themselves to observe the following principles during participation in the tender process and during the contract execution.
 - a) The 'Bidder/ Contractor' shall not, directly or through any other person or firm, offer, promise, or give to any of the Principal's employees involved in the tender process or the execution of the contract or to any third person any material or other benefit which he is not legally entitled to, in order to obtain in exchange any advantage of any kind whatsoever during the tender process or during the execution of the contract.
 - b) The 'Bidder/ Contractor' shall not enter with other Bidder's into any undisclosed agreement or understanding, whether formal or informal. This applies in particular to prices, specifications, certifications, subsidiary contracts, submission or non-submission of bids or any other actions to restrict competitiveness or to introduce cartelization in the tender process.
 - c) The 'Bidder/ Contractor' shall not commit any offence under the relevant IPC/ PC Act; further, the 'Bidder/ Contractor' shall not use improperly, for purposes of competition or personal gain, or pass on to others, any information or document provided by the Principal as part of the business relationship, regarding plans, technical proposals, and business details, including information contained or transmitted electronically.
 - d) The 'Bidder/ Contractor' of foreign origin shall disclose the name and address of the Agents/ representatives in India if any. Similarly, the Bidder/ Contractors of Indian Nationality shall furnish the name and address of the foreign principals, if any. Further details as mentioned in the "Guidelines on Indian Agents of Foreign Suppliers" shall be disclosed by the Bidder/ Contractor. Further, as mentioned in the Guidelines, all the payments made to the Indian agent/ representative have to be in Indian Rupees only. Copy of the "Guidelines on Indian Agents of Foreign Suppliers" is placed in Appendix to this agreement.
 - e) The 'Bidder/ Contractor' shall, when presenting their bid, disclose any and all payments made, is committed to, or intends to make to agents, brokers, or any other intermediaries in connection with the award of the contract.
 - f) Bidder/ Contractor who have signed the Integrity Pact shall not approach the Courts while representing the matter to IEMs and shall wait for their decision in the matter.
2. The 'Bidder/ Contractor' shall not instigate third persons to commit offences outlined above or be an accessory to such offences.

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

If the 'Bidder/ Contractor', 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 Principal is entitled to disqualify the

‘Bidder/ Contractor’ from the tender process or take action as per the procedure mentioned in the “Guidelines on Banning of business dealings”.

Section 4 - Compensation for Damages

1. If the Principal has disqualified the ‘Bidder/ Contractor’ from the tender process prior to the award according to Section 3, the principal is entitled to demand and recover from ‘Bidder/ Contractor’ the damages equivalent to Earnest Money Deposit/ Bid Security.
2. If the Principal has terminated the contract according to Section 3, or if the principal is entitled to terminate the contract according to Section 3, the principal 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. Bidder declares that no previous transgressions occurred in the last three years with any other Company in any country conforming to the anti-corruption approach or with any Public Sector Enterprise in India that could justify his exclusion from the tender process.
2. If Bidder makes an incorrect statement on this subject, he can be disqualified from the tender process, or action can be taken as per the procedure mentioned in “Guidelines on Banning of business dealings”.

Section 6 - Equal treatment of all Bidders/ Contractors/ Subcontractors

1. In the case of Sub-contracting, the Principal Contractor shall take responsibility for the adoption of the Integrity Pact by the Sub-contractor.
2. The principal shall enter into agreements with identical conditions as this one with all Bidders and Contractors.
3. The principal shall 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)/ Subcontractor(s)

If the Principal obtains knowledge of the conduct of a Bidder, Contractor or Subcontractor, or of an employee or a representative or an associate of a Bidder, Contractor or Subcontractor which constitutes corruption, or if the Principal has

substantive suspicion in this regard, the principal shall inform the same to the Chief Vigilance Officer.

Section 8 - Independent External Monitor

1. The principal appoints a competent and credible Independent External Monitor for this Pact after approval by Central Vigilance Commission. The task of the Monitor is to review independently and objectively whether and to what extent the parties comply with the obligations under this agreement.

2. The Monitor is not subject to instructions by the representatives of the parties and performs his functions neutrally and independently. The Monitor would have access to all Contract documents whenever required. It shall be obligatory for him/ her to treat the information and documents of the Bidders/ Contractors as confidential. He/ she reports to the Head of the Procuring Organization.
3. The Bidder(s)/ Contractor(s) accepts that the Monitor has the right to access without restriction to all Project documentation of the principal, including that provided by the contractor. The Contractor shall also grant the Monitor, upon his request and demonstration of a valid interest, unrestricted and unconditional access to their project documentation. The same is applicable to Sub-contractors.
4. The Monitor is under contractual obligation to treat the information and documents of the Bidder/ Contractor(s)/ Sub-contractor(s) with confidentiality. The Monitor has also signed declarations on 'Non-Disclosure of Confidential Information and of 'Absence of Conflict of Interest'. In case of any conflict of interest arising at a later date, the IEM shall inform the Head of the Procuring Organization and recuse himself/ herself from that case.
5. The principal shall 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 principal and the contractor. The parties offer the Monitor the option to participate in such meetings.
6. As soon as the Monitor notices, or believes to have noticed, a violation of this agreement, he shall so inform the Management of the Principal and request the Management to discontinue or take corrective action or to take other relevant action. The monitor can, in this regard, submit non-binding recommendations. Beyond this, the Monitor has no right to demand from the parties that they act in a specific manner, refrain from action, or tolerate action.
7. The Monitor shall submit a written report to the Head of the Procuring Organization within 8 to 10 weeks from the date of reference or intimation to him by the Principal and, should the occasion arise, submit proposals for correcting problematic situations.
8. If the Monitor has reported to the Head of the Procuring Organization, a substantiated suspicion of an offence under relevant IPC/ PC Act, and Head of the Procuring Organization has not, within the reasonable time, taken visible action to proceed against such offence or reported it to the Chief Vigilance Officer, the Monitor may also transmit this information directly to the Central Vigilance Commissioner.
9. The word 'Monitor' would include both singular and plural.

Section 9 - Pact Duration

This Pact begins when both parties have legally signed it. It expires for the contractor 12 months after the last payment under the contract and for all other Bidders 6 months after the contract has been awarded. Any violation of the same would entail disqualification of the bidders and exclusion from future business dealings.

If any claim is made/ lodged during this time, the same shall be binding and continue to be valid despite the lapse of this pact as specified above unless it is discharged/ determined by the Head of the Procuring Organization.

Section 10 - Other provisions

1. This agreement is subject to Indian Law. The place of performance and jurisdiction is the Registered Office of the Principal, i.e., New Delhi.
2. Changes and supplements, as well as termination notices, need to be made in writing. Side agreements have not been made.
3. If the contractor is a partnership or a consortium, this agreement must be signed by all partners or consortium members.
4. Should one or several provisions of this agreement turn out to be invalid, the remainder of this agreement remains valid. In this case, the parties shall strive to come to an agreement with their original intentions.
5. Issues like Warranty/ Guarantee etc. shall be outside the purview of IEMs.
6. In the event of any contradiction between the Integrity Pact and its Appendix, the Clause in the Integrity Pact shall prevail.
7. For and on behalf of the principal

For and on behalf of IISER Kolkata
(Name of the Officer and Designation) (Office Seal)

For and on behalf of 'Bidder/ Contractor'
(Name of the Officer and Designation) (Office Seal)

Witness 1:

(Name & Address)

Witness 2:

(Name & Address)