



भारतीय प्रौद्योगिकी संस्थान पटना
INDIAN INSTITUTE OF TECHNOLOGY PATNA

बिहटा, पटना-801106, बिहार, भारत
Bihta, Patna – 801 106, Bihar, INDIA

E-PROCUREMENT MODE

Tender Reference No.: IITP/R&D/927/AHH-01/2023-24/129
E-tender for Supply of Computer Server- High Performance
Computing (HPC) Cluster

Documents to be submitted online only



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Date: 18/12/2023

Indian Institute of Technology Patna is in the process of purchasing following items(s) as per the details as given under:

Name of the work	Supply of Computer Server- High Performance Computing (HPC) Cluster.
Earnest Money Deposit	₹ 66,000 (Rupees Sixty Six Thousand Only)
Warranty	03 (Three) Years
Delivery Schedule	08 Weeks
Online EMD Submission: Bidder can submit their EMD online by visiting below link: https://www.onlinesbi.com/sbicollect/icollecthome.htm?corpID=1968961	
Note:- Tender (ATE/LTE) Reference Number should be mentioned for the purpose of EMD submission. State- Bihar, Type of Institutions- Educational Institutions, Educational Institutions Name- I I T PATNA RESEARCH AND DEVELOPMENT UNIT, Payment Category- EMD (Research and Development Unit). EMD-MSMEs are exempted from the payment of EMD with submission of proper exemption certificate	
Submission of Bids Online: Interested parties may view and download the tender document containing the detailed terms & conditions from the website: https://eprocure.gov.in/eprocure/app	

1. Detailed Tender Documents may be downloaded from Central Public Procurement Portal (<https://eprocure.gov.in/eprocure/app>) and from our website (<https://www.iitp.ac.in/>).
2. All details /document pertaining to the tender such as tender document, pre-bid report, corrigendum and any further updates will be available only on our website & also at CPP Portal.
3. **No manual bid will be accepted. All quotations (both technical & financial) should be submitted in the e-procurement portal only.**
4. IIT Patna shall not be responsible for non-receipt of bid due to internet issues or any other reasons.

CRITICAL DATES

Publishing Date	18.12.2023 (05:30 PM)
Document Download / Sale Start Date	18.12.2023 (05:30 PM)
Bid Submission Start Date	18.12.2023 (05:30 PM)
Last Date & Time of Submission of Bids (Technical & Financial Bid)	08.01.2024 (04:00 PM)
Opening Date & Time of Technical Bids Online	09.01.2024 (04:30 PM)
Address of Communication	The Registrar (for R& D Unit), Indian Institute of Technology Patna Kanpa Road, Bihta, Patna, Bihar-801106 Phone: 06115-233-067
For taking technical assistance regarding bid submission, if any	CPP Portal Website: https://eprocure.gov.in Help Desk Number 0120-4200462, 4001002, 4001005 and 4001005.

REGISTRAR, IIT PATNA

Detailed Technical Specification:

Item name: Computer server - High Performance Computing (HPC) Cluster:

1. Master Node – Quantity - 1 Qty

Specification	Description
Processor	2 x CPU (x86 Architecture based Intel Xeon/AMD family) each with minimum 16 Cores and minimum frequency of 3.0GHz, 128MB Cache per socket, Must have Native support of AVX 512 instruction set. And HPL Peak Perf @1.7TF/socket.
Performance Benchmark	Spec_fp_2017_rate_base-score>=150. Spec_Int_2017_rate_base-score>=160. Server OEM must have listed SPEC benchmark score as afore mentioned in www.spec.org with the same server model or a model from the similar series, with same CPU configuration as quoted in the bid.
Security features	Automated BIOS/System level encryption to authenticate input and output data passing thru. System information including, keys, passwords and digital certificates stored/created must be secured from external software attacks. Cryptographic functions offered for system security
Memory	RAM: 128GB or more ECC DDR4-3200AA MHz or better RAM using 32GB DIMMs ,
Hard Disk Drives and SSDs	3x 4000 GB 3.5" SAS 7200 RPM HDD 1 x 1920GB based Solid State Drive of Capacity
Graphic Card	Nvidia T400 4GB Graphic Card
Accessories	24” Monitor, Keyboard and Mouse
HDD bays	8 HDD bays supporting HDDs or SSDs. (Large Form Factor based drive bays)
I/O slots (Peripheral Component Interconnect Express, PCIe)	8 × PCIe 4.0 slots including x16 & x8 bandwidth based slots
RAID Level support	RAID Controller Supports RAID levels 0, 1 & 10
Ethernet ports	4 × 1 Gbps Ethernet ports with Preboot Execution Environment (PXE) boot capability (including CAT6 cable for connecting to switch)
Ports	Minimum 2 USB 3.0 or higher , One port for graphics
Chipset	No Chipset (System on Chip (SoC) design)

Server management	IPMI 2.0 Support with KVM and Media over LAN features. Must include all required licenses, if required for using these features. Out of band Management Capabilities, Stack with a full IPMI implementation, Hardware Health monitor , Remote power control, Console Redirection with multi language support
	HTML web Console Redirection. Serial Over LAN, Media Redirection, CD/DVD redirection, USB 2.0 or 3.0 -based drive redirection with support for USB Key, VLAN functionality supports Reading Log Events, SMTP Support, Sensor read methodology, Email Alerting methodology, User management functionality with SSL based security, Multi User Permission Levels, Multi User Profiles, LDAP Support, Windows Active Directory and Open LDAP support, Common Information Methodology with class handling, Core Support with creation of class, instances and workability with instances. WSMAN Support with common information model support. Provision for Getting, discovering, enumeration and subscribing features. Product datasheet/manual/manual must confirm the compliance.
Power supplies	80 Plus Redundant 800W Platinum rated efficient power supply. Multi Node architecture with shared power supplies not allowed
Cooling	Optimum no. of redundant Cooling fans.
Operating System	Should support latest version of 64-bit CentOS, supported by bidder
Warranty	3 year,s onsite warranty by OEM / Bidder. Physical on-site (IIT Patna) visit by technical experts of Bidder or OEM for maintenance and technical support whenever needed.
Software Suites	Home grown and open source software suites to be loaded as part of installation process by bidder. Commercial Codes may also be required to be installed as per user requirement.
Regulatory Compliance	Windows, RHEL, Certified system, certificate copy must be attached with bid. OEM must be BIS, ISO Govt. of India E-Waste Regulation Compliance/Registered, all Certificate copy must be attached with Bid.
	Bidder must not be put on a holiday period or banned or debarred by any govt organization for >3 months during last 5 years.
Form Factor -	2U Rack Mount or lesser (effective form factor per node) Nodes must be independently serviceable. Multinode chassis is also allowed.
All required cables must be supplied	

2. Compute Node – Quantity - 2 Qty

Specification	Description
Processor	2 x CPU (x86 Architecture based Intel Xeon/AMD family) each with minimum 64 Cores and minimum frequency of 2.0GHz, 256MB Cache per socket, Must have Native support of AVX 512 instruction set. And HPL Peak Perf @1.7TF/socket.
Performance Benchmark	Spec_fp_2017_rate_base- score>=150. Spec_Int_2017_rate_base- score>=160. Server OEM must have listed SPEC benchmark score as afore mentioned in www.spec.org with the same server model or a model from the similar series, with same CPU configuration as quoted in the bid.
Security features	Automated BIOS/System level encryption to authenticate input and output data passing thru. System information including, keys, passwords and digital certificates stored/created must be secured from external software attacks. Cryptographic functions offered for system security
Memory	RAM: 128GB or more ECC DDR4-3200AA Mhz or better RAM using 64GB DIMMs ,
Hard Disk Drives and SSDs	1 x 1920GB based Solid State Drive of Capacity
HDD bays	8 HDD bays supporting HDDs or SSDs.(Small Form Factor based drive bays)
I/O slots (Peripheral Component Interconnect Express, PCIe)	8 × PCIe 4.0 slots including x16 & x8 bandwidth based slots
RAID Level support	RAID Controller Supports RAID levels 0, 1 & 10
Ethernet ports	4 × 1 Gbps Ethernet ports with Preboot Execution Environment (PXE) boot capability (including CAT6 cable for connecting to switch)
Ports	Minimum 2 USB 3.0 or higher , One port for graphics
Chipset	No Chipset (System on Chip (SoC) design)

Server management	<p>IPMI 2.0 Support with KVM and Media over LAN features. Must include all required licenses, if required for using these features.</p> <p>Out of band Management Capabilities, Stack with a full IPMI implementation, Hardware Health monitor, Remote power control, Console Redirection with multi language support</p> <p>HTML web Console Redirection. Serial Over LAN, Media Redirection, CD/DVD redirection, USB</p> <p>2.0 or 3.0 -based drive redirection with support for USB Key, VLAN functionality supports Reading Log Events, SMTP Support, Sensor read methodology, Email Alerting methodology, User management functionality with SSL based security, Multi User Permission Levels, Multi User Profiles, LDAP Support, Windows Active Directory and Open LDAP support, Common Information Methodology with class handling , Core Support with creation of class , instances and workability with instances. WSMAN Support with common information model support. Provision for Getting, discovering, enumeration and subscribing features. Product datasheet/manual/manual must confirm the compliance.</p>
Power supplies	80 Plus Redundant 800W Platinum rated efficient power supply. Multi Node architecture with shared power supplies not allowed
Cooling	Optimum no. of redundant Cooling fans.
Operating System	Should support latest version of 64-bit CentOS, supported by bidder
Warranty	<p>3 year's onsite warranty by OEM / Bidder.</p> <p>Physical on-site (IIT Patna) visit by technical experts of Bidder or OEM for maintenance and technical support whenever needed.</p>
Software Suites	Home grown and open source software suites to be loaded as part of installation process by bidder. Commercial Codes may also be required to be installed as per user requirement.
Regulatory Compliance	<p>Windows, RHEL, Certified system, certificate copy must be attached with bid. OEM must be BIS, ISO, Govt. of India E-Waste Regulation Compliance/Registered, all Certificate copy must be attached with Bid.</p> <p>Bidder must not be put on a holiday period or banned or debarred by any govt organization for >3 months during last 5 years.</p>
Form Factor	2U Rack Mount or lesser (effective form factor per node) Nodes must be independently serviceable. Multinode chassis is also allowed.
All required cables must be supplied	

3. Cooling, Rack, UPS and its monitoring/support/survices

SL. No.	Items
I.	Switch - 1 x 12 Port 10 G SFP + Switch or better

II.	Rack : 1 x 42U Standard rack with 2 PDU and all accessories or better
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4. Software Stack

i). WORKLOAD MANAGER with Below Features

1	Fully featured version with support backed suite, with no limitation to no of jobs and scalability of nodes
2	Integrated advanced scheduling features including cross-system scheduling, peer to peer scheduling with advanced fair share & hierarchical fair share reservations, preemption, access control lists (ACLs), Role based access control and backfilling scheduling, multi-cluster scheduling, Metascheduling for job scheduling and management across distinct clusters (earlier supplied by clusters are also to be covered)
3	Power aware job scheduling to support auto shutdown and auto boot of nodes as per the workload to be supported.
4	Topology-aware scheduling (both inter- and intra-node) to ensure maximum application performance while minimizing cross-job network contention;
5	Preemption and check pointing (suspend/checkpoint/requeue) allow users to immediately run high priority work
6	Plugin framework for custom health checking, mitigation, and notification capabilities including off lining flaky nodes, restarting scheduling cycles and requeuing jobs
7	The Management Suite must offer Web/CLI based Job submission, monitoring, management and 3D remote visualization capability with secure access control which can be integrated with LDAP.
9	The Cluster Management Suite must Web based tool for administration of HPC including real time monitoring, historical repository based on jobs, users, application etc.
10	Product Data sheet / Manual for the suite offered must be submitted with bid.

ii) **Operating System:** Linux Based HPC Server Supported OS

iii) **Cluster Management S/W:** Unified system management, monitoring toolset for configuration, diagnosis and management of the system, Cluster manager with provisioning, monitoring and reporting capabilities Support Package and Image based provisioning, Support Diskfull and diskless cluster deployment, Intuitive web interface to manage and customize the cluster Customizing networks and compute node profiles through GUI Customizing compute nodes (upto changing kernel parameter), Able to Push configuration changes and updates to the compute nodes without reinstalling and rebooting. Product datasheet for the offered S/W suite must be submitted

Note: Offered Stack must have been deployed by OEM / Bidder earlier as well as part of HPC Solution to govt organizations during last 3 years – **documentary evidence must be provided**

iv) **Software Support for both Serial and Parallel Environment: YES**

5. Supply, Installation, In-house training and after installation support

- Before acceptance and installation of any item, the quality, specification and quantity will be verified by IIT Patna.
- Installation of items part of this tender will have to be carried out by the vendor. Any specific requirement of vendor regarding installation of above mentioned items must be mentioned in the technical bid so that, if it falls under scope of work of buyer, then IIT Patna can provide the resources for the same.
- 2day in-house training by Certified Professionals of OEM at IIT Patna including installation of software, bench-marking HPL, monitoring of HPC Cluster for 24 Hours, LINUX commands, HPC Management etc. Scripts for the bench-marking calculations will be provided on request.
- After installation support must be provided by HPC Linux Experts of bidder on onsite and remote assistance basis during the complete warranty period of 3 years. Bidder must have internal HPC experts team available for the same.
- Help and assistance should be provided in installation and run of software's which supports MPI parallelization on multi-node architecture such as OpenFOAM and SU2.

Eligibility Criteria

Mandatory requirements for a bidder to qualify as a participant in this tender:

1. The Server OEM should have executed at least 2 HPC Cluster projects in India using an architecture and technologies similar to this tender in Govt Indian academic and research institutions or other govt education & research organization in India. Details/Proof of the same must be submitted along with technical bid. At least one of the HPC Cluster installed by OEM or their authorized service provider must be of 8 Nodes or more.
2. Server OEM must not be banned or blacklisted by any govt organization in India during last 5 years
3. Warranty: 3 Year

INSTRUCTIONS TO THE TENDERERS

The tender shall be submitted in accordance with these instructions and any tender not conforming to the instructions as under is liable to be rejected. These instructions shall form the part of the tender and the contract.

1. For Online Bid Submission as per the directives of Department of Expenditure, this tender document has been published on the Central Public Procurement Portal (URL:<http://eprocure.gov.in/eprocure/app>). The bidders are required to submit copies of their bids electronically on the CPP Portal, using valid Digital Signature Certificates.
2. More information useful for submitting the online bids on the CPP Portal is available/ obtained at [URL:http://eprocure.gov.in/eprocure/app](http://eprocure.gov.in/eprocure/app)
3. For Registration, Bidders are required to enroll on the e-Procurement module of the Central Public Procurement Portal (URL:<http://eprocure.gov.in/eprocure/app>) by clicking on the link. Enrollment on the CPP Portal is free of charge.
4. Foreign Bidders have to refer “DSC details for foreign Bidders” for Digital Signature Certificate requirements which comes under Download Tab at [http://eprocure.gov.in/eprocure/app?page=Standard Bidding Documents &service=page](http://eprocure.gov.in/eprocure/app?page=StandardBiddingDocuments&service=page) and the remaining part is same as above and below.
5. While submitting the tender, if any of the prescribed conditions are not fulfilled or are incomplete in any form, the tender is liable to be rejected. If any tenderer stipulates any condition of his own, such conditional tender is liable to be rejected.
6. IIT Patna reserves the right to reject any tender/bid wholly or partly without assigning any reason.
7. The technical committee constituted by the IIT Patna shall have the right to verify the particulars furnished by the bidder independently.
8. Tenderer shall take into account all costs including installation, commissioning, cartage etc. for giving delivery of material at site i.e. IIT Patna before quoting the rates. In this regard no claim for any extra payment for any reason shall be entertained.
9. The item should be delivered at IIT Patna, Kanpa Road, Bihta, Patna-801106, Bihar, INDIA and the supplier shall be responsible for any damage during the transit of goods.
10. All the tender documents & price bid to be uploaded as per this tender are to be digitally signed by the bidder.
11. Interested bonafide and reputed manufacturers/India agents (on behalf of their foreign principals) may submit Online bids for each of the above equipment along with all requisite documents and scanned copy of Tender Fee / EMD submission reference.
12. The Bidder(s) may note that ONLINE BIDS will ONLY be accepted. All the requisite supporting documents mentioned in the bid document should and must be uploaded On-line <http://eprocure.gov.in/eprocure/app>. The Bids sent through FAX, E-mail, by hand and/or by post shall not be accepted/ processed, in any case.
13. The bidders may submit duly filled and completed bidding document ONLINE as per instruction contained in the bidding documents. Incomplete bid shall be rejected. The conditions of tender shall be governed by the details contained in complete bid document.
14. In case, holiday is declared by the Government on the day of opening the bids, the bids will be opened on the next working day at the same time. IIT Patna reserves the right to accept or reject any or all the tenders.
15. The detailed instruction for Online submissions of bid(s) through e-Procurement module of Central Public Procurement of NIC, the bidder(s) may visit the following link:- <http://eprocure.gov.in/eprocure/app?=@HelpForContractors&service=page> .

INSTRUCTIONS FOR ONLINE BID SUBMISSION

(Department User may attach this Document as an Annexure in their Tender Document which provides complete Instructions for on line Bid submission for Bidders)

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

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

REGISTRATION

1) Bidders are required to enrol 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” on the CPP Portal which is free of charge.

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

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

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

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

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

SEARCHING FOR TENDER DOCUMENTS

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

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

3) The bidder should make a note of the unique Tender ID assigned to each tender, in case they want to obtain any clarification / help from the Helpdesk.

PREPARATION OF BIDS

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

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

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

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

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

SUBMISSION OF BIDS

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

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

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

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

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

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

7) All the documents being submitted by the bidders would be encrypted using PKI encryption techniques to ensure the secrecy of the data. The data entered cannot be viewed by unauthorized persons until the time of bid opening. The confidentiality of the bids is maintained using the secured Socket Layer 128-bit encryption technology. Data storage encryption of sensitive fields is done. Any bid document that is uploaded to the

server is subjected to symmetric encryption using a system generated symmetric key. Further this key is subjected to asymmetric encryption using buyers/bid opener's public keys. Overall, the uploaded tender documents become readable only after the tender opening by the authorized bid openers.

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

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

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

ASSISTANCE TO BIDDERS

1) Any queries relating to the tender document and the terms and conditions contained therein should be addressed to the Tender Inviting Authority for a tender or the relevant contact person indicated in the tender.

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

GENERAL TERMS AND CONDITIONS

01. **Rates:** Rates quoted for indigenous items must be on F.O.R basis for IIT Patna, on DOOR DELIVERY Basis, with break up as per details given in BoQ.
02. **Validity:** The validity period of the offer should be clearly specified. It should be at least for 120 days from the last date of submission of quotations.
03. **Warranty/Guarantee:** The material is quoted with a minimum onsite Warranty/Guarantee period of 03 years after the date of installation and acceptance at final destination.
04. **EMD:** EMD should be submitted in the Institute's Account using i-Collect of SBI. The link is given below:
(<https://www.onlinesbi.com/sbicollect/icollecthome.htm?corpID=1968961>)
05. **Delivery:** Unless otherwise stated delivery of goods shall be at IIT Patna and will have to be effected maximally within **08 weeks** from the date of issue of the Purchase Order. All aspects of safe delivery shall be the exclusive responsibility of the vendor.
06. **PAN, GST Certificates & TDS:** Scanned copy of PAN along with PAN of partners/owners (if applicable) and GST Registration Certificate in Form REG-06 must be uploaded with technical bid. Appropriate tax deduction at source will be applicable.
07. **Dealership Certificate:** Dealership certificate (in case of authorised dealers) and standard Technical literature on the offered products must be uploaded with technical bid.
08. **Performance Guarantee:** 5% in the form of Bank Guarantee/ Fixed Deposit of the total order value needs to be submitted for such period as to cover two months beyond the warranty period for any order for equipment's of more than Rs.1 Lakh. In case of non-submission of BG/FD, an equivalent amount will be retained while payment till the above mentioned duration.
09. **Late and delayed quotation:** Late and delayed quotations will not be considered. In case any unscheduled holiday occurs on prescribed closing/opening date, the next working day shall then automatically be the prescribed date of closing/opening of the quotation with no change in timing.
10. **Ground for Rejection of Quotation:**
 - (i) The quotations are liable to be rejected if the foregoing conditions are not complied with. The quotation should be complete in all respects if a firm quotes NIL charges / consideration, the bid shall be treated as unresponsive and will not be considered. The quotations shall be rejected if the information is not provided as per the tender documents
 - (ii) Either OEM or its sole representative is allowed to bid. In case both have bid, the bid of OEM will be valid.
 - (iii) If at any time of tender, cartelization is found, the bidding firms would be liable for legal action as per Anti-Competitive Practices (CCI).
11. **Payment:** Payment will be made within 30 days from the date of submission of Invoice after successful delivery and acceptance of goods at IIT Patna (successful installation in case of machinery, equipments or the likes) generally through RTGS / FUND TRANSFER. Following information must be clearly written in the uploaded bank details for RTGS / FUND TRANSFER: -
 - a) Name of the Firm with complete postal address (b) Name of the Bank with Branch where the Account exist (c) IFSC CODE (d) ACCOUNT No. (e) PAN No. (f) GST No.
12. The bidders can quote only those products in the bid which are not obsolete in the market and has at least 03 year's residual market life.
13. **Liquidated Damage:** If a firm accepts an order and fails to execute the order in part or in full, as per the terms and conditions stipulated in the Purchase Order, it will be open to the institute to recover the liquidated damages from the firm at the rate of 0.5% per week of the order value subject to a maximum of 10% of the order value. It will also be open to the institute alternatively, to arrange procurement of the

required stores from any other source at the risk and expense of the defaulter firm/vendor, which accepted the order but failed to execute the order according to the stipulated agreed upon. Defaulter vendor(s)/ firm(s) are also liable for blacklisting.

14. **Termination for default:** Default is said to have occurred

(a) If the supplier fails to deliver any or all of the goods/ items/ services within the time period(s) specified in the purchase order or any extension thereof granted by IIT Patna.

(b) If the supplier fails to perform any other obligation(s) under the contract

(c) If the vendor, in either of the above circumstances, does not take remedial steps within a period of 30 days after receipt of the default notice from IIT Patna (or takes longer period in spite of what IIT Patna may authorize in writing), IIT may terminate the contract / purchase order in whole or in part. In addition to above, IIT Patna may at its discretion also take the following actions: IIT Patna may procure, upon such terms and in such manner, as it deems appropriate, goods similar to the undelivered items/products and the defaulting supplier shall be liable to compensate IIT Patna for any extra expenditure involved towards goods and services to complete the scope of procurement.

15. **Applicable Law:**

(a) The contract shall be governed by the laws and procedures established by Govt. of India, within the framework of applicable legislation and enactment made from time to time concerning such Commercial dealings / processing, as may be applicable upon IIT Patna.

(b) All disputes are subject to exclusive jurisdiction of Competent Court and Forum in Patna, India only.

(c) Any dispute arising out of this purchase shall be referred to the Registrar IIT Patna, and if either of the parties hereto is dissatisfied with the decision, the dispute shall be referred to the decision of an Arbitrator, who should be acceptable to both the parties, (to be appointed by the Director of the Institute). The decision of such Arbitrator shall be final and binding on both the parties.

16. The acceptance of the quotation will rest solely with the **Director**, IITP, who in the interest of the Institute is not bound to accept the lowest quotation and reserves the right to himself to reject or partially accept any or all of the quotations received without assigning any reason(s).

17. **Important:** The **Director** may accept or reject any or all the bids in part or in full without assigning any reason and doesn't bind himself to accept the lowest bid. The institute at its discretion may change the quantity / upgrade the criteria / drop any item, at any time before placing the Purchase Order.

18. **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, it's delay in performance or other failure to perform its obligations under the Contract is the result of an event of Force Majeure.

(i) 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.

(ii) If a Force Majeure situation arises, the Supplier shall promptly notify IIT Patna 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.

19. The in general Printed conditions of supply of the firm, if any, will not be binding on the Institute.

20. The bidders can quote only items with not less than 20% domestic value additional/local content. Local content means the amount of value added in India which shall be the total value of the item procured (excluding net domestic indirect taxes) minus the value of imported content in the item (including all custom duties) as a proportion of the total value, in percent. The bidders are required to furnish a self-certificate regarding the items meeting local content requirement, mandatorily mentioning following:

a. Percentage of Local Content (exclusive of services such as transportation, insurance, installation, commissioning, training and after sales services support like AMC/CMC etc.)

b. Location(s) at which the local value addition is made

21. This tender is being invited in compliance with Rule 144 (xi) of GFR Rules, 2017 as under:

- 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 Competent Authority
- 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 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 percent of share 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 shareholder’s agreements or voting agreements;
 2. In case of 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 capitals 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.

The registration shall be valid at the time of submission of bid and at the time of acceptance of bid.

22. “Class-I local supplier” shall get purchase preference over ‘Class-II local supplier’ as per instructions contained in **Public Procurement (Preference to Make in India) Order 2017**, as amended from time to time. The margin of purchase preference shall be 20%.

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

To,
 The Registrar,
 (for Research & Development Unit)
 Indian Institute of Technology Patna
 Kanpa Road, Bihta, Patna, Bihar-801106
 Phone: 06115-233-067
 Email: dr_rnd@iitp.ac.in

Sub: Acceptance of Terms & Conditions of Tender.

Tender Reference No.: _____

Name of Tender / Work:-

Dear Sir/Madam,

1. I / We have downloaded / obtained the tender document(s) for the above mentioned "Tender / Work" from the website(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. I/We have read the clause 21 of general terms and conditions, regarding restrictions on procurement from a bidder outside the country; I/We certify that this bidder is from India. I/We hereby certify that this bidder fulfils all requirements in this regard and is eligible to be considered.
4. The corrigendum(s) issued from time to time by your department / organizations too have also been taken into consideration, while submitting this acceptance letter.
5. I / We hereby unconditionally accept the tender conditions of above mentioned tender document(s) / corrigendum(s) in its totality / entirely.
6. I / We do hereby declare that our Firm has not been blacklisted / debarred by any Govt. Department / Public Sector Undertaking.
7. 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 / organization shall without giving notice or reason thereof may summarily reject the bid or terminate the contract, without prejudice to any other rights or remedy including forfeiture of the full said EMD absolutely.

Yours Faithfully,

(Signature of the Bidder, with Official Seal)

LIST OF DOCUMENTS TO BE UPLOADED WITH TECHNICAL BID

1. Scanned copy of bank details for NEFT/ RTGS on letter head.
2. Scanned copy of self-declaration of original manufacturer or authorized dealership certificate from OEM.
3. Scanned copy of certificate of GST and PAN.
4. Scanned copy of tender acceptance letter. (Annexure-V)
5. Scanned copy of printout of EMD submission or exemption certificate for the same.
6. Scanned copy of detailed technical specification & brochure (if any).
7. Scanned copy of self-certificate regarding the items meeting local content requirement as mentioned in clause 20 of general terms and condition.

(Please note that no indication of the rates/ amount be made in any of the documents submitted with the technical bid)

INSTRUCTION RELATED PRICE BID**PRICE BID – Schedule of price bid in the form of BOQ format:****A. Schedule of price bid in the form of BOQ format:**

1. The below mentioned Financial Proposal / Commercial bid format is provided as BOQ along with this tender documents at <https://eprocure.gov.in/eprocure/app>
2. **Bidders are advised to download this BOQ.xls** as it is and quote their offer / rates in the permitted column and upload the same in the commercial bid.
3. Bidder shall not tamper / modify the downloaded price bid template in any manner. In case if the same is found to be tampered/ modified in any manner, tender will be completely rejected and EMD shall be forfeited.
4. Any element of cost, taxes, duties levies etc. not specifically indicated in the BOQ, shall not be paid by the purchaser. **If GST amount is not quoted in the BOQ (Financial Bid), the total cost will be treated as inclusive of GST. No further communication will be entertained later or else the EMD will be forfeited.**
5. The tender shall remain valid for acceptance for **120 days**, from the date of tender opening.

B. Break-up of price in PDF format

1. The break-up of price for each item should be given in PDF format (signed scanned copy) with details of components with individual prices for (1) Computer Server-High Performance Computing (HPC) Cluster, if any in separate sheets/tables. (2) Post warranty period year wise AMC charges (comprehensive & Non-comprehensive) and (3) Optional accessories, if any in separate sheets/tables. The point (2) & (3) will not be considered for price bid comparison.

Signature of the Tenderer

Name of the Firm:

Contact No.:

Email:

Seal: