

# INDIAN INSTITUTE OF TECHNOLOGY, KANPUR GT ROAD, KALYANPUR, KANPUR – 208016 UTTAR PRADESH, INDIA

TENDER REFERENCE NO.: IITK/CHM/AC/2019/01

**BID SUBMISSION END DATE- 06.08.2019** 

**TENDER DOCUMENTS** 

FOR

"PURCHASE OF LINUX CLUSTER"

# **BID DOCUMENT**

Online bids (Technical & commercial) from eligible bidders which are valid for a period of 120 days from the last date of Bid submission (i.e. 06.08.2019) are invited for and on behalf of the Joint Registrar, IIT Kanpur for "Purchase of LINUX Cluster".

Name of Work	Purchase of LINUX Cluster
Estimated Cost	Rs.40,00,000/-
Date of Publishing	15.07.2019 (11:00 hrs)
Clarification Start Date and Time	15.07.2019(11:30 hrs)
Clarification End Date and Time	24.07.2019(17:30 hrs)
Queries (if any)	No queries will be entertained after clarification end date and time
Bid Submission Start Date	15.07.2019(14:00 hrs
Last Date and time of uploading of Bids	06.08.2019 (16.00 hrs)
Last Date and time of <b>submitting</b> , EMD and other documents at IIT Kanpur (if any)	NA
Date and time of opening of Technical Bids	07.08.2019(16:30 hrs)
Date and time of opening of Financial Bids	Will be separately notified for Technically shortlisted/qualified bidders

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

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

# **INSTRUCTION FOR ONLINE BID SUBMISSION**

The bidders are required to submit soft copies of their bids electronically on the Central Public Procurement (CPP) Portal ie<a href="http://eprocure.gov.in/eprocure/app">http://eprocure.gov.in/eprocure/app</a>, 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.

### **REGISTRATION**

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

### **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:**

- (i) For preparation of bid Bidders shall search the tender from published tender list available on site and download the complete tender document and should take into account corrigendum if any published before submitting their bids.
  - After selecting the tender document same shall be moved to the 'My favourite' folder of bidders account from where bidder can view all the details of the tender document.
- (ii) Bidder shall go through the tender document carefully to understand the documents required to be submitted as part of the bid. Bidders shall note the number of covers in which the bid documents have to be submitted, the number of documents including the names and content of each of the document that need to be submitted. Any deviations from these may lead to rejection of the bid.
- (iii) Any pre-bid clarifications if required, then same may be obtained online through the tender site, or through the contact details given in the tender document.
- (iv) Bidders should get ready in advance the bid documents in the required format (PDF/xls/rar/dwf/jpg formats) to be submitted as indicated in the tender document/schedule. Bid documents may be scanned with 100 dpi with black and white option which helps in reducing size of the scanned document.
- (v) Bidders can update well in advance, the documents such as experience certificates, annual report, PAN, EPF & other details etc., under "My Space/ Other Important Document" option, which can be submitted as per tender requirements. This will facilitate the bid submission process faster by reducing upload time of bids.

### **SUBMISSION OF BIDS:**

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

uploading time will be very fast.

(viii) If price quotes are required in XLS format, utmost care shall be taken for uploading Schedule of quantities & Prices and any change/ modification of the price schedule shall render it unfit for bidding.

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

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

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

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

### **ASSISTANCE TO BIDDERS:**

- (i) Any queries relating to the tender document and the terms and conditions contained therein should be addressed to the Tender Inviting Authority for a tender or the relevant contract person indicated in the tender. The contact number for the helpdesk is 0512-259-7436 between 11:00 to 14:00 hrs and 16:00 to 17:30 hrs.
- (ii) Any queries relating to the process of online bid submission or queries relating to CPP Portal in general may be directed to the 24X7 CPP Portal Helpdesk. The 24 x 7 Help Desk Number 0120-4200462, 0120-4001002 and 0120-4001005. The helpdesk email id is <a href="mailto:support-eproc@nic.in">support-eproc@nic.in</a>

### **INSTRUCTION FOR e-PROCUREMENT**

# 1. PREPARATION AND SUBMISSION OF BIDS:

- a. The detailed tender documents may be downloaded from <a href="http://eprocure.gov.in/eprocure/app">http://eprocure.gov.in/eprocure/app</a> till the last date of submission of tender. The Tender may be submitted online through CPP Portal <a href="http://eprocure.gov.in/eprocure/app">http://eprocure.gov.in/eprocure/app</a>
- b. The bidder should submit the bid online in two parts viz. Technical Bid and Financial Bid. Technical Bid should be upload online in cover 1 and Financial Bid in ".Xls" should be upload online in cover-2
- 2. **SUBMISSION OF THE BID**: All interested eligible bidders are requested to submit their bids online on CPP Portal: http://eprocure.gov.in/eprocure/appas per the criteria given in this document:
  - **a.** Technical Bid should be upload online in cover-1.
  - **b.** Financial Bid should be upload online in cover-2

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

- 3. <u>TECHNICAL BID</u>: Signed and Scanned copies of the Technical bid documents as under must be submitted online on CPP Portal: <a href="http://eprocure.gov.in/eprocure/app">http://eprocure.gov.in/eprocure/app</a>.
  - a) List of Documents to be scanned and uploaded (Under Cover-1) within the period of bid submission:
    - i. Scanned copy of Bank details. (Bank details of principal supplier in case of Import shipments)
    - ii. Scanned copy of work experience.
    - iii. Scanned copy of certificate of GST. (GSTIN of Indian Agent in case of Import Shipments)
    - iv. Scan copy of tender acceptance letter.
    - v. Scanned copy of specifications or brochures (if any).
    - vi. Scanned copy of other document mentioned in tender document (if any)
  - b) For Import Shipments Shipping Terms Ex-Works/FOB are preferred.

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

# 4. Financial Bid

- **a.** The currency of all quoted rates shall be Indian Rupees or USD.
- b. In preparing the financial bids, bidders are expected to take into account the requirements and conditions laid down in this Tender document. The financial bids should be uploaded online as per the specified ".XIs" format i.e. Price Bid Excel sheet attached as '.XIs' with the tender and based on the scope of work, service

- conditions and other terms of the Tender document. It should include all costs associated with the Terms of Reference/Scope of Work of the assignment.
- c. The Financial Proposal should be inclusive of all applicable taxes, duties, fees, levies, and other charges imposed under the applicable laws. The rates quoted in the Tender are inclusive of all applicable taxes, duties etc. except service tax. The service tax component shall be re-immersible by the department after receipt of paid challans etc. if applicable.

### 5. Last Date for Submission of Tender:

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

### 6. Bid Validity

- a. All the Bids must be valid for a period of 120 days from the last date of submission of the tender for execution of Contract. However, the quoted rates should be valid for the initial/ extended period of the Contract from the effective date of the Contract. No request will be considered for price revision during the original Contract period.
- **b.** A bid valid for a shorter period shall be declared as non-responsive.
- c. In exceptional circumstances, prior to expiry of the original time limit, the IIT may request the bidders to extend the period of validity for a specified additional period beyond the original validity of 120 days. The request and the bidders' responses shall be made in writing. The bidders, not agreeing for such extensions will be allowed to withdraw their bids without forfeiture of their Bid Security.

### 7. Modification / Substitution/ Withdrawal of bids:

- **a.** No Bid shall be modified, substituted or withdrawn by the Bidder after the Bid's due Date.
- **b.** Any alteration/ modification in the Bid or additional information supplied subsequent to the Bid's due Date, unless the same has been expressly sought for by the Authority, shall be disregarded.
- 8. **Rejection of the Bid**: The bid submitted shall become invalid and tender fee shall not be refunded if:
  - a. The bidder is found ineligible.
  - b. The bidder does not upload all the documents as stipulated in the bid document.

# **Tender document**

# Department of Chemistry Indian Institute of Technology Kanpur Kanpur (UP) 208016 India

Enquiry date: July 15, 2019

Enquiry No: IITK/CHM/AC/2019/01

Online bids (technical and commercial) are invited for Linux Cluster. The detailed specification of the cluster is described below.

# Dr. Amalendu Chandra

Department of Chemistry Indian Institute of Technology Kanpur Kanpur 208 016, India

# **Technical Specifications for Linux Cluster**

Supply, installation and commissioning of Linux Cluster for IIT Kanpur with the following technical specifications.

# **Items:**

# 1. Master Node

Quantity		1 unit	
Sr. No.	Specification	Description	
	•	2 × Intel® Xeon® Silver 4116 Processor	
		Number of cores = 12	
	Processor	Number of Threads = 24	
1.		Processor Base Frequency=2.1GHz	
		Cache = $16.5MB L3$	
		Memory Type= DDR4-2400	
		Maximum Memory Speed= 2400 MHz	
2	Mamaru	RAM: 64GBECC DDR4-2400 MHz or better RAM. At least 16	
2.	Memory	DIMMs on motherboard	
		6TB SAS×8 Numbers	
3.	Hard Disk Drives	SPEED = 7.2K rpm	
		TYPE = SAS	
4.	HDD bays	HDD bays supporting 10 or more SAS/SATA Hard drives and Solid	

		State Drives. On board NVMe controller and at least 2 dedicated NVMe drive bays or more out of total bays available.
5.	I/O slots (Peripheral Component Interconnect Express,PCIe)	Minimum 2 × PCIe 3.0 slots must be vacant after populating Interconnect and RAID AOC.
6.	RAID Level support	RAID 0,1,5,6; populated with 12Gbps SAS RAID controller with 2GB cache.
7.	Graphics controller	Integrated Graphics with on board controller.
8.	Network interface	At least 2 number of Gigabit ports on board.
9.	Ethernet ports	2 × 1 Gbps Ethernet ports with Preboot Execution Environment (PXE) boot capability (including CAT6 cable for connecting to switch)
10.	Ports	Minimum 2 USB 3.0 or higher and 1 graphics port
11.	Cluster Interconnect	Gigabit connectivity using Ethernet ports. Slot available to populate 56 Gbps (or higher) FDR Infiniband with cable (same make as the IB switch). Provision for IB HCA to be available for future upgrade
12.	Chipset	Latest OEM Chipset supporting and optimized for above processor.
13.	Server managment (Intelligent Platform Management, Interface, IPMI)	IPMI 2.0 Support with KVM and Media over LAN features. Must include any licenses, if required for using these features.  It should be able to automate mgmt. tasks and automated firmware updates.
14.	Power supplies	Redundant (N+1) 80 Plus Platinum rated efficient power supply.
15.	Cooling	Optimum no. of Cooling fans.
16.	Operating System	Should support latest version of 64-bit CentOS.
17.	Warranty	3 years onsite warranty by OEM / Bidder. Physical on-site (IIT Kanpur) visit by technical experts of Bidder or OEM for maintenance and technical support whenever needed on NBD Basis
18.	Software Suites	LAMMPS, GROMACS and more open source software suites to be loaded as part of installation process by bidder. No commercial Codes
19.	Form Factor	Rack Mount up to 2U or lesser
20.	All required cables	

# 2. Compute Node (GPU enabled)

Quantity		4 units
Technical specifications of each compute node:		te node:
Sr. No.	Specification	Description
		2 × Intel® Xeon® Gold 5120 Processor
1.	Processor	Number of cores = 14
		Number of Threads = 28

		D 2.2CH-
		Processor Base Frequency=2.2GHz
		Cache = 19.25MB L3
		Memory Types= DDR4-2400 or higher
	_	Maximum Memory Speed= 2400 MHz or higher
2.	Memory	RAM: 128GBECC DDR4-2400 MHz or better RAM. At least 12
		DIMMs on motherboard
3.	Hard Disk Drives	1 x 240GB SATA Enterprise GRADE SSD (1 DWPD
4	IIDD bassa	Endurance)
4.	HDD bays	4 HDD bays supporting SAS/SATA HDDs or SSDs.
5.	GPU Accelerator	For high performance parallel programming and computations: NVIDIA Tesla V100 GPU (16GB) card scalable upto minimum
		4 V100 PCie based (16GB or higher) cards per node.
	I/O slots (Peripheral	
6.	Component Interconnect	Minimum 1 × PCIe 3.0 slots vacant after populating Interconnect
	Express, PCIe)	and all 4 x GPUs .
7.	RAID Level support	RAID 0,1,10 level supported with on board RAID controller
8.	Graphics controller	Integrated Graphics Controller
9.	Network interface	At least 2 number of Gigabit ports on board.
		2 × 1 Gbps Ethernet ports with Preboot Execution Environment
10.	Ethernet ports	(PXE) boot capability (including CAT6 cable for connecting to
		switch)
11.	Ports	Minimum 2 USB 3.0 or higher and one port for graphics.
		Gigabit connectivity using Ethernet ports. Slot available to
12.	Cluster Interconnect	populate 56 Gbps (or higher) FDR Infiniband with cable (same
12.	Cluster Interconnect	make as the IB switch). Provision for IB HCA to be available for
		future upgrade
13.	Chipset	Latest OEM Chipset supporting and optimized for above
13.	Chipset	processor.
		IPMI 2.0 or equivalent Support with KVM and Media over LAN
	Server management	features. Must include any licenses, if required for using these
14.	(Intelligent Platform	features.
	Management, Interface, IPMI)	It should be able to automate mgmt. tasks and automated
		firmware updates.
15.	Power supplies	Redundant N+1 80 Plus platinum rated efficient power supplies.
16.	Cooling	Optimum no. of Cooling fans.
17.	Operating System	Should support latest version of 64-bit CentOS
	F :	3 years onsite warranty by OEM / Bidder.
		Physical on-site (IIT Kanpur) visit by technical experts of Bidder
18.	Warranty	or OEM for maintenance and technical support whenever needed
		on NBD Basis
		LAMMPS, GROMACS and more open source software suites to
19.	Software Suites	be loaded as part of installation process by bidder. No
17.	Software Suites	commercial Codes
20.	Form Factor	- 1U Rack Mount or lesser
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# 3. Cooling rack, UPS and its monitoring/support/services

Sr. No.	Specifications and Descriptions
1.	Rack: Vendors should propose optimum solution as per requirement of the above
	mentioned configuration of master and compute node and supply a 42U Rack with
	required PDUs and accessories
2.	<b>UPS:</b> Industrial Sockets in the Data Centre Room with UPS Back up will be provided
	by IIT Kanpur. So No UPS is to be quoted by bidder
3.	<b>Air Conditioning:</b> Will be provided by IIT Kanpur. So no Air conditioning equipment
	is to be quoted by bidder
4.	Remote monitoring System: Must be integrated with system by bidder/OEM
5.	Key Board tray, cable manager, cable route, any other required accessories as per
	requirement of the above mentioned configuration of master and compute node.

# 4. Cluster Management and other S/W Stack

Sr No:	Specifications and Descriptions
1.	Commercial Licensed Cluster Management S/W:  Unified system management/monitoring toolset for configuration, diagnosis and management. Toolset/Manger must be capable of supporting package and image based provisioning, intuitive web interface for managing and customize the cluster, Cluster Manager tool set with provisioning, monitoring, and reporting capabilities, Support for Customizing networks and compute node profiles, Capable of customizing compute to max, up to changing kernel parameter, And able to Push configuration changes and updates to the compute nodes.
2.	Batch/Job Schedulers and workload management:  Open source based or commercial workload managers for batch job scheduling with policies to allow Pre-emptive and backfill scheduling, Job monitoring and management, policy aware, resource aware and topology aware scheduling, GPU aware scheduling, advance reservation support, Live reconfiguration capability. Must be able to support interactive jobs with debugging on a dedicated debug queue.

# 5. Other Items

Sr No:	Specifications and Descriptions
1.	17 inch Display, Keyboard, Video and Mouse (KVM) Console with All accessories.
2.	8 Port KVM over IP Switch (USB based) with all required Cables & Accessories.

# **Optional Items:**

The following items (6-8) are optional and their price should be quoted per unit basis.

# 6. Compute Node

	Quantity	Quote per unit basis
Technical s	pecifications of each compu	
Sr. No.	Specification	Description
1.	Processor	2 × Intel® Xeon® Gold 5120 Processor Number of cores = 14 Number of Threads = 28 Processor Base Frequency=2.2GHz Cache = 19.25MB L3
		Memory Types= DDR4-2400 or higher Maximum Memory Speed= 2400 MHz or higher RAM: 128GBECC DDR4-2400 MHz or better RAM. At least 12
2.	Memory	DIMMs on motherboard
3.	Hard Disk Drives	1 x 240GB SATA Enterprise GRADE SSD (1 DWPD Endurance)
4.	HDD bays	4 HDD bays supporting SAS/SATA HDDs or SSDs.
5.	Provision for adding GPU Accelerator	Provision to add NVIDIA Tesla V100 GPU (16GB) card scalable upto minimum 4 V100 PCie based (16GB or higher) cards per node.
6.	I/O slots (Peripheral Component Interconnect Express, PCIe)	$\begin{array}{c} \text{Minimum 1} \times PCIe \ 3.0 \ slots \ vacant \ after \ populating \ Interconnect \\ and \ all \ 4 \ x \ GPUs \ . \end{array}$
7.	RAID Level support	RAID 0,1,10 level supported with on board RAID controller
8.	Graphics controller	Integrated Graphics Controller
9.	Network interface	At least 2 number of Gigabit ports on board.
10.	Ethernet ports	2 × 1 Gbps Ethernet ports with Preboot Execution Environment (PXE) boot capability (including CAT6 cable for connecting to switch)
11.	Ports	Minimum 2 USB 3.0 or higher and one port for graphics.
12.	Cluster Interconnect	Gigabit connectivity using Ethernet ports. Slot available to populate 56 Gbps (or higher) FDR Infiniband with cable (same make as the IB switch). Provision for IB HCA to be available for future upgrade
13.	Chipset	Latest OEM Chipset supporting and optimized for above processor.

14.	Server management (Intelligent Platform Management, Interface, IPMI)	IPMI 2.0 or equivalent Support with KVM and Media over LAN features. Must include any licenses, if required for using these features.  It should be able to automate mgmt. tasks and automated firmware updates.
15.	Power supplies	Redundant N+1 80 Plus platinum rated efficient power supplies.
16.	Cooling	Optimum no. of Cooling fans.
17.	Operating System	Should support latest version of 64-bit CentOS
18.	Warranty	3 years onsite warranty by OEM / Bidder. Physical on-site (IIT Kanpur) visit by technical experts of Bidder or OEM for maintenance and technical support whenever needed on NBD Basis
19.	Software Suites	LAMMPS, GROMACS and more open source software suites to be loaded as part of installation process by bidder. No commercial Codes
20.	Form Factor	- 1U Rack Mount or lesser
21.	All required cables	

# 7. GPU Accelerator (Quote per unit basis)

NVIDIA Tesla V100 GPU (16GB) card

# 8. Cluster Interconnect Switch (Quote per unit basis):

One 56 Gbps or higher Infiniband (FDR) Interconnect Switch to connect all the Compute nodes and Master node. Switch must have at least 12 IB ports available or more and required number of cables with each node must be supplied for interconnectivity.

# Delivery period, Warranty, Supply, Installation and In-house training

- Delivery period will be 8 weeks after issuance of the purchase order.
- Warranty & Support: 3 years comprehensive onsite warranty for the Linux Cluster by OEM / Bidder. Physical on-site (IIT Kanpur) visit by technical experts of Bidder or OEM for maintenance and technical support whenever needed on NBD Basis
- Before acceptance and installation of any item, the quality, specification and quantity will be verified by IIT Kanpur.
- Installation of items part of this tender will have to 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 IIT Kanpur can provide the resources for the same.

One-day in-house training at IIT Kanpur by Certified Professionals 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 by the vendor on request.

# **Eligibility Criteria**

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

- 1. The bidder/OEM should have executed at least 2 HPC projects in India using an architecture and technologies similar to this tender in premier Indian academic and research institutions like IISc, TIFR, IISER, IIT, JNCASR or other Government education & research organizations in India. Purchase order copies of the same must be submitted with technical bid. If credential of an OEM is provided, then supply done by their authorized partner will also be considered.
- 2. Server OEM must be listed in Top 500.Org during last 4 biyearly Lists, each list with one entry or more.
- 3. All warranty and support must be provided by the bidder.
- 4. The bidder should have average annual sales turnover at least 2 Crore for the last three financial years. A proof thereof to be attached
- 5. The bidder should have at least one service Center in India with service engineers in the relevant field of quoted item.
- 6. The bidder should have valid ISO certification. Please attach a copy of the certificate.
- 7. The bidder must be authorized partner/system integrator of Server and Switch OEM and a letter of authorization for the tender from the OEM must be enclosed.
- 8. The Institute reserves the right to accept, including minor relaxation in technical criteria, or reject any or all of the offers in full/part without assigning any reason whatsoever.
- 9. The parts supplied should not become obsolete within 3 years of installation.
- 10. It is mandatory to provide price per item for items 1-5. Price for the optional items 6-8 also need to be quoted per unit basis.
- 11. Higher configurations for items 1-5 and optional items 6-8 without any compatibility issues may be considered at the discretion of the appointed technical committee.
- 12. The bidder should clearly specify make and model in both Technical and Financial bid.
- 13. The bidder must be responsible for complete installation of the Linux cluster and subsequent support as per terms and conditions of the Tender.

Date: \_\_\_\_\_

Yours Faithfully,

(Signature of the Bidder, with Official Seal)

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

To,

<del></del>
ub: Acceptance of Terms & Conditions of Tender.
Tender Reference No:
Name of Tender / Work:
Dear Sir,
I/ We have downloaded / obtained the tender document(s) for the above mentioned 'Tender/Work' rom the web site(s) namely:
as per your
dvertisement, 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 rom Page No to (including all documents like annexure(s), schedule(s), etc .,), which orm part of the contract agreement and I / we shall abide hereby by the terms / conditions / clauses contained therein.
3. The corrigendum(s) issued from time to time by your department/ organisation too have also been aken into consideration, while submitting this acceptance letter.
I. I / We hereby unconditionally accept the tender conditions of above mentioned tender document(s) / corrigendum(s) in its totality / entirety.
5. I / We do hereby declare that our Firm has not been blacklisted/ debarred/ terminated/ banned by any Govt. Department/Public sector undertaking.
5. I / We certify that all information furnished by our Firm is true & correct and in the event that the information is found to be incorrect/untrue or found violated, then your department/ organisation shall without giving any notice or reason therefore or summarily reject the bid or terminate the contract, without prejudice to any other rights or remedy including the forfeiture of the full said earnest money deposit absolutely.