



भारतीय विज्ञान शिक्षा एवं अनुसंधान संस्थान मोहाली

मानव संसाधन विकास मंत्रालय, भारत सरकार द्वारा स्थापित

सैक्टर 81, नॉलेजसिटी, प०ओ० मनोली, एस० ए० एस० नगर, मोहाली, पंजाब 140306

INDIAN INSTITUTE OF SCIENCE EDUCATION AND RESEARCH MOHALI

(Established by Ministry of Human Resource Development, Govt. of India)

Sector-81, Knowledge city, PO-Manauli, SAS Nagar Mohali-140306, Punjab

PAN No. - AAAAI1781K GST: 03AAAAI1781K2ZS

• Phone : +91-172-2240086 & 2240121 • Fax : +91-172-2240124, 2240266 • <http://www.iisermohali.ac.in> • Email: stores@iisermohali.ac.in

CPPP/Institute Website

IISERM (1068-2)18/19-Pur

Dated: 15th January 2019

E-TENDER NOTICE

Online tenders are invited on behalf of Director, IISER Mohali in **TWO BID SYSTEM** for **Supply, installation, of computer workstation** from reputed companies/firms/ individuals/ societies etc. those are in the similar business at CPPP i.e. <https://eprocure.gov.in/eprocure/app>. Tender documents may please be downloaded from the E-procurement portal website <https://eprocure.gov.in/eprocure/app> & Institute website www.iisermohali.ac.in.

-sd-

(Mukesh Kumar)

Assistant Registrar (S&P)



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E-TENDER NOTICE

Tender Ref.- IISERM(1068-2)18/19Pur

Dated : 15th January 2019

Critical Date Sections

Sr.	Description	Date	Time
1.	Tender Publishing Date and time	15 th January 2019	01:00pm
2.	Tender Document download start Date & Time	15 th January 2019	01:00pm
3.	Bid Submission start Date & Time	15 th January 2019	01:00pm
4.	Bid Submission End date and Time	21 st January 2019	Up to 11:00am
5.	Tender opening Date and Time	22 nd January 2019	At 11.30 am

Online tenders are invited on behalf of the Director, IISER Mohali in **TWO BID SYSTEM** for following item(s) from the original manufacturer/supplier at CPPP i.e. <https://eprocure.gov.in/eprocure/app>. Tender documents may please be downloaded from the E-procurement portal website <https://eprocure.gov.in/eprocure/app> & Institute website www.iisermohali.ac.in. Tender fee in shape of DD/Banker Cheque of Rs 590/- (Non-refundable) and EMD of Rs.70,000/- should be submitted by DD /Banker Cheque/FDR/ Bank Guarantee in favour of the Registrar, IISER Mohali payable at Mohali. However, scanned copy of the both tender fee and EMD should be upload on website along with technical bid part. The hard copy of the same in original to be send to the address mentioned below duly superscribing the supply/work name and reference/ tender ID on the envelope and same must reach before opening the bid and if not received within due date the bid will be rejected summarily.

The Original EMD and Tender Fee should be sent to:

Assistant Registrar (S&P)
Indian Institute of Science Education and Research,
Mohali Sector 81, SAS Nagar, Mohali, Punjab,
India, Pin: 140306

Non-receipt of original EMD and Tender Fee will lead to rejection of tender.

Item Details:

Sr.	Details of Specifications of the Stores	Qty.
1.	Supply and installation of Computer workstations TECHNICAL SPECIFICATIONS - As per Annexure A.	As per enclosed specification/ Qty.

Note Below:

- I. The online updated Price BOQ is in INR format. If bidder want to quote other than INR please specify the quoted currency in the technical bid/part and fill the amount in same updated BOQ.
- II. Please bifurcate the price on shipping terms i, e, Ex-works -> FCA/FOB -> CIP/CIF in price BOQ and specify the same in technical bid.

SUBMISSION OF TENDER

- I. All bid/ tender documents are to be uploaded online at Central Public Procurement portal i.e. <https://eprocure.gov.in/eprocure/app> only and in the designated cover/ part on the website against tender ID. Tenders/ bids shall be accepted only through online mode and no manual submission of the same shall be entertained except tender fee and EMD. Late tenders will not be accepted.
- II. The online bids shall be opened at the office of the Assistant Registrar (P&S), IISER Mohali, on above given date and time. If the tender opening date happens to be on a holiday or non-working day due to any other valid reason, the tender opening process will be attended on the next working day at same time and place. IISER Mohali will not be responsible for any error like missing of schedule data while downloading by the Bidder.
- III. The bidder shall upload the tender documents duly filled in and stamped by the authorized signatory on each and every page. Tender not submitted/uploaded in the prescribed form and as per the tender terms and conditions shall be liable for rejection.
- IV. The bidder shall upload scanned copy of the PAN Card, GST number duly signed and stamped. **Also bidders applying against ‘MSME/NSIC Certificate’ issued by appropriate Authority, should ensure that the certificate attached is relevant to the area of service/supply. For example, If the tender is for “supply & installation of Desktop” the certificate should be issued for activity/area of “Computer supply and services activities etc” otherwise bid will be REJECTED without notice.**
- V. E-procurement system ensures locking on the scheduled date and time. The system will not accept any bid after the scheduled date and time of submission of bid.

INSTRUCTIONS

1. The Online bids should be submitted directly by the original manufacturer/supplier, If quotation is submitted/filled by any representative/agent/dealer then they must upload a authority certificate from the principal company for quoting the price otherwise such quotation will be rejected.
2. The quantity mentioned in this inquiry is and shall be deemed to be only approximate and will not in any manner be binding on the Institute. Before the deadline for submission of the online bid, IISER Mohali reserves the right to modify the tender document terms and conditions. Such amendment/modification will be notified on website against said tender ID.
3. The rates offered should be FOR Chandigarh/Mohali in case of firms situated outside Chandigarh/Mohali, and free delivery at the Institute premises in case of local firms. Supplier from outside India should mention the Ex-works/FOB/FCA/CIF/CIP price clearly. Conditional tenders will be summarily rejected.
4. In case of Ex-godown terms the amount of packaging forwarding freight etc. should clearly

be indicated by percentage or lump sum amount. Institute has policy not to make any advance payments towards any purchase, Letter of credit can be opened if required.

5. THE INSTITUTE IS EXEMPTED FROM EXCISE AND CUSTOM DUTY under notification no- TU/V/RG/-CDE(1062)/201 CUSTOM DT.30.08.2016.
6. Tax: This Institute is not exempted from the payment of GST. The current rate (i.e. percentage of GST should be clearly indicated included or excluded) wherever chargeable. Please also provide/upload the copy of PAN card, GST number duly self-attested.
7. Concessional GST is applicable for all the items purchased for Research labs vide Ministry of Finance, notification no. 45/22017 dated 14.11.2017 and 47/2017 dated 14.11.2017.
8. Bidder/s quoting in currency other than **Indian Rupee (INR)** should explicitly mention the currency in which tender quoted wherever applicable in Technical Bid along the tender documents.
9. The delivery period should be specifically stated. Earlier delivery will be preferred.
10. The firms are requested to provide/upload detailed description and specifications together with the detailed drawings, printed leaflets and literature of the article quoted. The name of the manufactures and country of manufacture should also invariably be stated. In the absence of these particulars, the quotation is liable for rejection.
11. Validity of offer: 90 days minimum. The warranty period after satisfactory installation should be mentioned and firm should replace all manufacturing defect parts/ whole item under warranty without any extra cost including clearance, freight, taxes. Security deposit/ Bank Performance Guarantee @ 10 % of the value of supply order as per norms may be sought from the firms.
12. The right to reject all or any of the quotation and to split up the requirements or relax any or all the above conditions without assigning any reason is reserved by the IISER Mohali. For any corrigendum and addendum please be checked the website <https://eprocure.gov.in/eprocure/app> and <http://www.iisermohali.ac.in>
13. Disputes, if any, shall be subject to jurisdiction in the court of Mohali only.

sd/-
(Mukesh Kumar)
Assistant Registrar (S&P)

ANNEXURE-A

Vendor Qualifications.

The vendors are required to meet each of the qualifications listed below before their technical bid is to be considered. The vendors are required to attach supporting documents demonstrating that they meet these qualifications.

1. Vendor must have valid ISO 9001 and ISO 14001 certifications.
2. Vendor must have been in the business of supplying Xeon based server systems for atleast past 3 years (provide PO copies for such server systems for each of these 3 years).
3. Must have support location to reach IISER Mohali within 8 hours.
4. Must not have been blacklisted by any government organization.
5. Any additional requirements set by the SPO, IISER Mohali.

Technical Requirements.

The computer system to be installed in the computer center will be assembled from the following items consisting of a head node, four compute nodes, a compatible NAS system, and other additional items. These items must meet the following technical specifications. The vendors are required to provide separate quotations for each of the following items.

1. Head Node (Quantity Required: 1)

Processors	:	2 x Intel Xeon 4116 processors (12-Core, 2.1 GHz, 16.5M Cache)
Memory	:	96GB DDR4-2400 or superior, must be ECC registered memory. Mainboard must have at least 16 DIMM slots for future memory expansion. Must also have support for Intel Optane NVDIMM memory
RAID	:	SAS 12Gbps RAID controller with atleast 2GB cache. Must support RAID levels 0/1/5/6/10/50/60
Disks	:	8 x 4000GB, 7200RPM or better SAS 12Gbps hot-pluggable HDDs 1 x 240GB data-center grade SSD.
Network	:	2 x Gigabit Ethernet (1000Base-T) ports or better 2 x 10Gigabit Ethernet (SFP+) or better
Graphics	:	Basic Graphics
Management	:	IPMI 2.0 management with a dedicated port Must have support for KVM over LAN enabled
Expansion	:	4 x PCI-Express x16 slots free for future use

		1 x M.2 NVMe slot for future use
Ports	:	1 Serial, 2 USB 2.0, 2 USB 3.0, 1 VGA, 2+2 Network, 1 Management
Form Factor	:	2U rack-mountable with sliding rails
Cooling	:	hot-pluggable fans with redundant cooling
Power Supply	:	2 x 1000W or higher configured as 1+1 redundant, hot-pluggable, 80Plus Titanium or better
Monitor	:	Not required.
Keyboard	:	None
Mouse	:	None
Warranty	:	Minimum 3 years

2. Compute Node (Quantity Required: 4)

Processors	:	2 x Intel Xeon 4116 processors (12-Core, 2.1 GHz, 16.5M Cache)
Memory	:	96GB DDR4-2400 or superior, must be ECC registered memory. Mainboard must have at least 16 DIMM slots for future memory expansion. Must support for Intel Optane NVDIMM memory
RAID	:	SAS 12Gbps RAID controller. Must support RAID levels 0/1/10 or better
Disks	:	4 x 4000GB, 7200RPM or better SAS 12Gbps hot-pluggable HDDs 1 x 240GB data-center grade SSD.
Network	:	2 x Gigabit Ethernet (1000Base-T) ports or better
Graphics	:	Basic Graphics
Management	:	IPMI 2.0 management with a dedicated port Must have support for KVM over LAN enabled
Expansion	:	4 x PCI-Express x16 slots free for future use 1 x M.2 NVMe slot for future use
Ports	:	1 Serial, 2 USB 2.0, 2 USB 3.0, 1 VGA, 2+2 Network, 1 Management
Form Factor	:	2U rack-mountable with sliding rails
Cooling	:	hot-pluggable fans with redundant cooling
Power Supply	:	2 x 1000W or higher configured as 1+1 redundant, hot-pluggable, 80Plus Titanium or better
Monitor	:	Not required.
Keyboard	:	None
Mouse	:	None

Warranty : Minimum 3 years

3. Network Attached Storage (NAS) system (Required Quantity: 1)

Processor : Xeon Quad-Core or better

Memory : 32GB or more, ECC RDIMM, upgradable to 128GB or more

RAID : Hardware RAID supporting 0/1/5/6/10/50/60 levels
Must have atleast 1GB of battery/flash backed cache

Disks : 6 x 4TB 7200RPM Enterprise grade hot-pluggable disks
Atleast 6 free hot-pluggable bays with drive caddies
The OS should be on a separate disk/volume and these disks will be used only for data storage purposes.

Network : 2 x Gigabit Ethernet and 2 x 10G Ethernet SFP+
2 x 1m cables to connect to the Head Node (Item 1 above) over 10G

Expansion : Support for adding additional ports for host connectivity
- Atleast 4 x 10G/25G/100G Ethernet ports
- Atleast 2 x Fibre-Channel ports
- Support for adding additional storage enclosures for supporting up to 200 disks.

Form Factor : 2U rack-mountable with sliding rails

Power Supply : Redundant and hot-pluggable, 80Plus Platinum or better

OS : Linux based OS for Unified Storage
Must support SMB/NFS/FTP/iSCSI/FC
Must support Windows/Linux clients

Others : Must support following features
- User and group quotas
- VTL emulation
- WebGUI for management
- No limit on number of users or storage capacity

Warranty : Minimum 3 years

4. Memory for Items 1 and 2 (Quantity Required: to be decided)

Additional memory (both 32 and 64 GB units) for items 1 and 2. The memory must be exactly of the same type as defined in the quotes for items 1 and 2. If specified in the PO, the vendor must supply added memory units pre-installed with systems 1 and 2.

5. Additional Disks for Items 1 and 2 (Quantity Required: to be decided)

Additional Hard Disks (4GB capacity) for items 1 and 2. The Disks must be of the same type as defined in the quotes for items 1 and 2. If specified in the PO, the vendor must supply them pre-installed with the systems 1 and 2.

6. Kindly quote for the following item as a separate item.

Gigabit Ethernet switch (Quantity required: 1)

- With 16 or more ports
- 1U rack-mountable
- Cables to connect this to items 1-3 in previous technical specification.
- Warranty as per requirements in original technical specification.
- Kindly quote for this item in Other item column at Sr. No. 1.6 in Price Bid BOQ

If this specified in the purchase order, the vendors will be required to supply it along with the other items.