INDIAN INSTITUTE OF TECHNOLOGY, KANPUR

GT ROAD, KALYANPUR, KANPUR – 208016

UTTAR PRADESH, INDIA

TENDER REFERENCE NO.: IITK/CSE/2022-2023/37

BID SUBMISSION END DATE- 22-12-2022

TENDER DOCUMENTS

For

"Purchase of GPU Server (Quantity-1)"

Tender document

Department of Computer Science and Engineering
Indian Institute of Technology Kanpur
Kanpur (UP) 208016 India

Date of Publishing	07-12-2022 (17.00 hrs)
Bid Submission Start Date	07-12-2022 (17.00 hrs)
Last Date and time of uploading of Bids	22-12-2022 (16.00 hrs)
Last Date and time of submitting , EMD at IIT Kanpur (if any)	23-12-2022 (14.00 hrs)
Date and time of opening of Technical Bids	23-12-2022 (16:00 hrs)
Date and time of opening of Financial Bids	Will be separately notified for Technically shortlisted/qualified bidders

Interested parties may view and download the tender document containing the detailed terms & conditions from the website **https://www.iitk.ac.in/new/tenders-notice**

Enquiry date: **07-12-2022**   Enquiry No: **IITK/CSE/2022-2023/37**

The bids complete in all respects along with Demand draft for Rs. 84,000.00 towards Bid Security/ EMD in favour of Registrar, IIT Kanpur must reach Room No.RM-410,CSE Department, IIT Kanupr-208016 latest by 02.00 PM Hrs on the bid opening day i.e. 23-12-2022.

IIT, Kanpur reserves the right to accept or reject any or all the tenders without assigning any Reasons thereof.

Quotations are invited for **GPU Server** (**Quantity-1**).

The detailed technical specification is described below:

Specification	Description
Processor(s)	2 x Intel® Xeon® Gold 6226R Processor, 2.90 GHz, 22 MB, Core 16 (Total 32 Cores)
Performance Benchmark	Spec_fp_2017_rate_base-score>=180. Spec_Int_2017_rate_base-score>=190. 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. High Performance Linpack peak performance score per socket must be >=1.48TFlops

System utility with AI Frameworks Preloaded	System should be preloaded with Precompiled frameworks (CPU & GPU optimized MxNet, CuDNN, Caffe and Pytorch) to be supplied with the system, Data sheet of utility must be submitted with bid.
Licensed Node Management S/W and Scheduling Utility	Unified system management, monitoring toolset for configuration, diagnosis and management of the system, Node manager with provisioning, monitoring and reporting capabilities Support Package and Image based provisioning Intuitive web interface to manage and customize the node 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 node without reinstalling and rebooting Offered solution must be a licensed s/w stack, issued in the name of Customer Organization, with no limitation based on count of users and no. of nodes which are attached by user with the system . Note: Offered Stack must have been deployed by OEM / Bidder earlier as well as part of such Solutions to govt organizations. Datasheet of the utility suite must be submitted with the bid.
Memory	(12 x 32 GB) 384 GB Memory or more, by using 32GB memory modules. Scalability after populating higher capacity of DIMMs must be up to 1024GB or higher.
RAID Controller	RAID Controller with 1Gb Cache and Supports RAID levels 0, 1 ,5,6,10
Accelerator	4 x Nvidia GeForce RTX A6000, 48GB PCIe variant. i.e. 4 x Computational GPUs, each with on board GPU Memory: 48GB, 10000 CUDA Cores, and 3rd Gen Tensor cores. System must support 4 such accelerators from day one and at least 4 double width or lesser width-based GPUs with required expansion slots and optimum power supplies
Interconnect features	With Preboot Execution Environment (PXE) boot capability. SR-IOV Implementation Packet filtering with advanced support VXLAN supported wither thru S/W or H/W Counters available for Remote N/W Monitoring Remote boot supported with iSCSI Jumbo frames supported for minimum 9KB or more Preboot Execution Environment from day one. Allowed to have load balancing among multiple processing cores / physical CPUs. OEM must confirm to provide features aforementioned.
Solid State Drives	1 x 4 TB Enterprise NVMe/M.2/U.2/SATA SSD (>=1 DWPD endurance)
HDD	4 x 2000 GB 2.5" SATA 7200 RPM HDD
HDD bays	HDD - 8 or more SAS & SATA Hard drives/ SSDs, including support for 1 x NVMe/M.2/U.2 drives and necessary controller for the connectivity must be on board. A secondary storage enclosure is allowed to be offered to meet the storage requirement

I/O slots (Peripheral Component Interconnect Express,PCIe)	6 × PCIe 3.0 slots including x16 & x8 bandwidth-based slots
ports	At least 4 USB 3.0 Ports (at least 2 in front) , 1 x VGA,
Form Factor	Rack Mount capabilities with up to 5U/Tower or lesser per node (including all units)
Chipset	Compatible CHIPSET
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 must confirm the compliance.
Power supplies	Redundant (N+1) with, 80 Plus Titanium Certified efficient power supplies.Secondary enclosures, if offered any, must also have 80 Plus, certified power supplies. Each power module must be of 1900W or more.
Operating System	64-bit Ubuntu Latest Version Preloaded.
Regulatory Compliance	Windows, RHEL, Certified Workstation, certificate copy must be attached with bid.OEM must be BIS, ISO 9001, 14001, 27001, Govt. of India E-Waste Regulation Compliance/Registered, all Certificate copy must be attached with Bid.
	Bidder/OEM must not be put on a holiday period or banned or debarred by any govt. Organization for >3 months during last 5 years.
	OEM must have online current warranty status portal available. Details of the same must be submitted with bid.
Local Content	Make in India declaration should be on OEM letter head and attached with technical 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. Details of utility must be submitted with bid.
Warranty	3 years onsite warranty by OEM / Bidder.

Terms and Conditions

1. Quotation must be valid for 120 days.
2. All quotations must contain complete technical details of the product
3. All prices are to be FOR IIT Kanpur.
4. The vendor must provide official email address for communication and should notify that clearly in the quotation description, just referring to letterhead will not be accepted as sufficient proof of official email of communication.
5. Delivery period must be within 4 weeks from purchase order date.
6. Our standard payment terms and conditions is 100% after installation, inspection and approval.
7. The Penalty @1% per week or part thereof subject to max 10% of the delivery price will be deducted from the balance payment, if supply is not completed within aforesaid delivery period.
8. Preference will be given to only those vendors who have Service/ Repairing centre stationed at Kanpur (Single point of contact in Kanpur for any service related issues)
9. No Call Locking will be entertained (in/out stationed). If at all it is required, then it will be performed by local Maintenance Engineer.
10. Testing of the product onsite is mandatory
11. In no case, the suppliers shall be provided with remote access of the servers/machines.
12. It is mandatory to quote for optional items; else the quotation may be rejected.
13. Reporting time should not be more than 2 hours
14. Resolving time should not be more than 2 days
15. At any time prior to the deadline for submission of bid, the Institute may, for any reason, at its own initiative, modify the bid document by amendments. Such amendments shall be uploaded on the website through corrigendum and shall form an integral part of bid document. The relevant clauses of the bid document shall be treated as amended accordingly. It shall be the sole responsibility of the prospective bidders to check the website from time to time for any amendment in the tender document. In case of failure to get the amendments, if any, the Institute shall not be responsible for it.
16. Vendor is expected to submit only one best bid per tender specifications.
17. **Only original equipment manufacturer /Authorized channel partners/Authorized system integrators having letter of support from OEM are eligible to bid.
18. A higher warranty may be given preference.
19. IIT Kanpur reserves the right for accepting and rejecting any quotation without assigning any reason thereof. Also, IIT Kanpur has the right to accept the whole or any part of the tender or portion of the quantity offered or reject it in full without assigning any reason. Any discrepancy or dispute will only be settled in Kanpur Courts /Local Administration only.
20. Vendors are requested to quote only in Indian currency (Rupees). If the vendor wants to quote in an alternate currency, the vendor should seek an explicit permission from the department before sending the bid.
21. If all or any of the components of the equipment is/are to be imported, the vendor holds its full responsibility for its delivery at IIT Kanpur and that too in the stipulated time period. If for any reason the vendor does not want to deliver to IIT Kanpur, the vendor needs to seek an explicit permission from the department, before sending the bid.
22. Maximum educational discount should be offered wherever applicable.

23. Every communication must be received at IIT Kanpur within 2 business days from the date stamped on the letter if posted via conventional postal email.

24. Any communication letter if posted via conventional postal mail must also be sent on following email purchase@cse.iitk.ac.in and email of the PI (Project Investigator)/Head.

25. If taxes & duties are not quoted separately by the bidder, the final figure/price will deem to be inclusive of taxes & duties.

26. The basic Price/rate, GST, Packing & Forwarding charges and Freight charges must be mentioned separately & specifically. The offer quoted inclusive of Taxes, Packing & Forwarding charges and freight charges will summarily be rejected. The same is essential keeping in view the applicability of GST. The impact (%age) of GST on item, /items will be admissible as applicable on the basic rate being statutory levy only during currency of Purchase Order/Contract against party's request along with necessary documents in support

    of their claim/amendments.

27. **Two-bid system:**
    1. Sealed quotations are invited Technical bid & financial bid from reputed, eligible & resourceful bidders for supply, installation of Server, etc. complete in all respect. The sealed envelopes with the quotes should be super scribed mentioning whether it is a technical or financial bid.
    2. If the financial Bid is included in the Technical Bid, then the quotation will be rejected.

1. **Note: Document Required**
   i. Certificate of GST and Bank details.

   ii. Work experience.

   iii. Our Technical Sheet duly signed and stamped by the firm.

   iv. Specifications/brochures & tender acceptance letter on Appendix 1-2.

   Scanned copy of No Deviation Certificate (This certificate is to state that there shall be No Deviation in your bid as compared to what we have asked for in our tender document both technically and otherwise. This is to be written on your letter head and signed stamped as well.

   v. OEM Authorization Certificate

   vi. Past Performance

   vii. Experience Criteria

   viii. Bidder Turnover

   ix. OEM Annual Turnover

   x. Performance Benchmark as mentioned in the technical document.

   xi. Regulatory Compliance Certificates as mentioned in the technical specification.

Quotations should be in the name of: -

Dr. Priyanka Bagade
Department of Computer Science
Indian Institute of Technology Kanpur
Kanpur 208 016, India

Mailing Address:

Nagendra Yadav
Contact- 0512-259-6344
Mailing Address: **purchase@cse.iitk.ac.in**
RM-410, Rajeev Motwani Building
Department of Computer Science & Engineering
Indian Institute of Technology Kanpur
Kanpur 208 016, India

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

Date: _____

To,

_____

_____

_____

Sub: Acceptance of Terms & Conditions of Tender.

Tender Reference No: _____

Name of Tender / Work: -

_____

Dear Sir,

1. I/ We have downloaded / obtained the tender document(s) for the above mentioned 'Tender/Work' from the web site(s) namely:

_____as per your advertisement, given in the above mentioned website(s).

2. I / We hereby certify that I / we have read the entire terms and conditions of the tender documents from Page No. _____ to _____ (including all documents like annexure(s), schedule(s), etc .,), which form part of the contract agreement and I / we shall abide hereby by the terms / conditions / clauses contained therein.

3. The corrigendum(s) issued from time to time by your department/ organisation too have also been taken into consideration, while submitting this acceptance letter.

4. I / We hereby unconditionally accept the tender conditions of above mentioned tender document(s) / corrigendum(s) in its totality / entirety.

5. I / We do hereby declare that our Firm has not been blacklisted/ debarred/ terminated/ banned by any Govt. Department/Public sector undertaking.

6. I / We certify that all information furnished by our Firm is true & correct and in the event that the information is found to be incorrect/untrue or found violated, then your department/ organisation shall without giving any notice or reason therefore or summarily reject the bid or terminate the contract, without prejudice to any other rights or remedy including the forfeiture of the full said earnest money deposit absolutely.

Yours Faithfully,
(Signature of the Bidder, with Official Seal)

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

Date: _____

To,
The Director,
Indian Institute of Technology Kanpur,
GT Road, Kalyanpur, Kanpur -208016

Sub: Declaration of Local content

Tender Reference No: _____

Name of Tender / Work: -

_____

1. Country of Origin of Goods being offered: _____
2. We hereby declare that items offered has _____% local content.

"Local Content" means the amount of value added in India which shall, be the total value of the item being offered minus the value of the imported content in the item (including all customs duties) as a proportion of the total value, in percent.

"*False declaration will be in breach of Code of Integrity under Rule 175(1)(i)(h) of the General Financial Rules for which a bidder or its successors can be debarred for up to two years as per Rule 151 (iii) of the General Financial Rules along with such other actions as may be permissible under law."

Yours Faithfully,
(Signature of the Bidder, with Official Seal)