INDIAN INSTITUTE OF TECHNOLOGY, KANPUR

GT ROAD, KALYANPUR, KANPUR – 208016

UTTAR PRADESH, INDIA

TENDER REFERENCE NO.: IITK/ECOS/2022-2023/1

BID SUBMISSION END DATE- 03-07-2022

TENDER DOCUMENTS

For

Purchase of "GPU Server"

Tender document

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

Date of Publishing	17-06-2022 (17.00 hrs)
Bid Submission Start Date	17-06-2022 (17.00 hrs)
Last Date and time of uploading of Bids	03-07-2022 (16.00 hrs)
Date and time of opening of Technical Bids	04-07-2022 (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: **17-06-2022**   Enquiry No: **IITK/ ECOS/2022-2023/1**

Sealed Quotations are invited under two bid system for **GPU Server (Quantity – 01)**

The detailed technical specification is described below:

Specification	Description
Processor	2 x CPU (x86 Architecture based CPU-Intel Xeon Silver 4210R or higher) each with 10 Cores and minimum frequency of 2.4GHz, Native support of AVX 512 instructionset.
Performance benchmark	1.Specrate2017_fp_base >125 2.Specrate2017_int_base >125 Bidder must have submit the benchmark report with bid document
Chipset	Intel® C621 Chipset OR Better
Memory	4 x 32GB RDIMM, 2933 MT/s, Dual Rank Total of 128GB Mention Required RAM Capacity), support for up to 2TB memory using Optane memory modules or higher
SSDs	1 x 1TB SATA SSD(0.5 DWPD)
Hard Disk Drives	1 x 1TB SATA 7200 rpm Enterprise HDD
HDD bays	HDD bays supporting 24 or more SAS/SATA Hard drives and Solid State Drives. On board NVMe controller and at least 1 dedicated NVMe/.M.2/U.2 drive bays/slots/ports or more.
RAID Controller	RAID controller that supports RAID 0, 1,5,6, 10 levels
I/O slots (*Peripheral Component Interconnect Express,PCIe)*	Minimum 11 × PCIe 3.0 slots including x16 & x8 bandwidth based slots
Graphics controller and GPU	Integrated Graphics with on board controller And 4 x Nvidia Geforce RTX 3090, 24GB PCIe variant.
	At least 2 number of Gigabit ports on board.

Network interface / Ethernet ports	At least 2×10 Gbps Base T LAN Ethernet ports with Preboot Execution Environment (**PXE**) boot capability (Support for CAT6 cable for connecting to switch)
Ports	Minimum 4 USB 3.0 or higher and 1 graphics port
Server management (Intelligent Platform Management,Interface, IPMI)	• Real-time out-of-band hardware performance monitoring & alerting • Agent-free monitoring, driver updates & configuration, power monitoring &capping, RAID management, external storage management, & system health • Out-of-band hardware & firmware inventory • Auto deploy a baseline configuration profile. Should display status information and should light up during normal system operation & error conditions
Power supplies	Redundant (N+1) 2000W 80 Plus Titanium or better Certified efficient power supplies.
Cooling	Optimum no. of Cooling fans.
Operating System Cert	Red Hat, and Microsoft Windows certified server/storage system (certification to be provided).
Operating System	Must Preloaded latest version of 64-bit Ubuntu.
System Utility	Licensed based Unified system management/monitoring toolset for configuration, diagnosis and management of the system. Toolset/Manager must be capable of supporting package and image based provisioning, intuitive web interface for managing and customize the node, And tool set with provisioning, monitoring, and reporting capabilities. With JOB scheduling capabilities on single node for CLI and GUI based end user applications. Commercial S/W utility must be only from the H/W OEM .No open source based product shall be acceptable.
Form Factor	Rack Mount - 4U
System Security	• Root-of-Trust, which initiates during system boot process to establish trust level • Gathering measurements about the running environment, OS, for trusted reporting. • Security of the whole system is based on the protection and secrecy of the cryptographic system, especially against reading out or manipulation of the key material.
Containerization Support	Containerizing Different Framework Testing of Algorithms with container Building Customer Containers
Inference Deployment & Performance Tools	1. TensorRT 2. OpenVX 3. OpenCV 4. Kaldi 5. Kinetica
Job Scheduling Utility License	Unified system management/monitoring toolset for configuration, diagnosis, and management of the system. Toolset/Manager must be capable of supporting package and image-based provisioning, intuitive web interface for managing and customize thenode, And tool set with provisioning, monitoring, and reporting capabilities. With JOB scheduling capabilities on single node for CLI and GUI based end user

	applications.
	S/W utility must be from the H/W OEM and not from a third-party vendor. Product datasheet with demonstration details must be shared
Regulatory Compliance	OEM must be BIS, ISO 14001 and EPR Certified and Complied. Certificates must be submitted with bid with reports
	OEM and Bidder must not have been blacklisted or banned or debarred or stopped from doing business by any government organization in the past
Warranty	3 years onsite warranty by OEM / Bidder.
Delivery Time	4 Weeks

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.

   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. Documents as per Technical Specification.

vi. OEM Authorization Certificate

vii. Past Performance

viii. Experience Criteria

ix. Bidder Turnover

x. OEM Annual Turnover

xi. Declaration for Local Content letter on Appendix 2.

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. The institute is exempted for payment of Excise duty under notification No. 10/97 & partially custom duty (@5.15%), under notification 51/96 and a road permit will be provided, if applicable. The Concessional Form 'C/D' have been abolished w. e. f. Apr 01, 2007.
7. Our standard payment terms and conditions is 90% after installation and 10% after inspection and approval.
8. 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.
9. Preference will be given to only those vendors who have Service/ Repairing center stationed at Kanpur (Single point of contact in Kanpur for any service related issues)
10. No Call Locking will be entertained (in/out stationed). If at all it is required then it will be performed by local Maintenance Engineer.
11. Testing of the product onsite is mandatory
12. In no case, the suppliers shall be provided with remote access of the servers/machines.
13. It is mandatory to quote for optional items; else the quotation may be rejected.
14. Reporting time should not be more than 2 hours
15. Resolving time should not be more than 2 days
16. 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.
17. Vendor is expected to submit only one best bid per tender specifications.
18. **Only original equipment manufacturer /Authorized channel partners/Authorized system integrators having letter of support from OEM are eligible to bid.
19. A higher warranty may be given preference.
20. 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.
21. 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.

22. 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.

23. Maximum educational discount should be offered wherever applicable.

24. IIT Kanpur is partially exempted from payment of GST (@5% only), IIT Kanpur will provide GST exemption certificate for the same. Institute is partially exempted from GST and the same should be offered in your bid as well. Items used for research & development purpose as specified in column 3 of notification no. 45/2017 & 47/2017 dated 14 Nov 17 will be partially exempted for GST.

25. 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.

26. 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.

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

28. 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.

29. **Two-bid system:**
    1. Sealed quotations are invited Technical bid & financial bid from reputed, eligible & resourceful bidders for supply, installation of item, 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.

Quotations should be in the name of: -
Dr. Thirumulanathan Dhayaparan
Department of Economic Sciences
Indian Institute of Technology Kanpur
Kanpur 208 016, India

Mailing Address:
Dr. Thirumulanathan Dhayaparan
Department of Economic Sciences
Indian Institute of Technology Kanpur
Kanpur – 208 016, India.

Contact: +91 - 7892549882
Email: **nathan@iitk.ac.in**

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: -

_____

4. Country of Origin of Goods being offered: _____
5. 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)