

IHUB-DATA

International Institute of Information Technology
Hyderabad

Notice Inviting Tender (NIT) under Two-Cover Bid System

For supply of

Web Servers to IHub-Data office,
International Institute of Information Technology
Hyderabad.

Tender No.: IHub-Data/Purchase/2021-22/04; Date: 10th Nov., 2021

Sealed quote should reach to the below address on or before **25 Nov., 2021**, by 3pm.

Chair
IHub-Data Purchase Committee
IIIT Hyderabad
Professor CR Rao Rd, Gachibowli, Hyderabad,
Telangana 500032, India.

INTRODUCTION

The IHub-Data (*henceforth referred to as the Purchaser*), IIIT Hyderabad is planning to purchase GPU Compute Node for a quantity of ten numbers for research activities. Bids are invited from bidders in two-cover format, as per the bill of quantity (BoQ) in Annexure-I/ Annexure-II/ Annexure-III/ Annexure-IV and Annexure-V.

1. BIDDER'S ELIGIBILITY CRITERIA

1.1) Bidder should be an OEM or its authorised vendor. The bidder should submit documentary proof that he is authorised by the OEM to supply the equipment.

1.2) The bidder should have a track record of having previously supplied similar equipment to Central/State Government or other reputed firms. Purchase order copies of previous installations are required along with customer contact details.

1.3) In the technical bid, the bidder should clearly demarcate the responsibilities between the OEM and the bidder. Complete details of the same have to be submitted in the technical bid. However, for complete supply, installation, and post-installation service, the bidder shall be responsible.

1.4) The bidder has to provide an undertaking on the official letter-head of the company that it has not been blacklisted by any department or undertaking of the Central or State Government department/Public Sector Undertakings (PSU)/Public Sector Enterprises (PSE)/ Banks in India.

1.5) The bidder (along with the OEM) should be in a position to demonstrate their competence and capability (with sales office and service centre based in Hyderabad), as a team, to deliver all the services expected during the period.

2.SUBMISSION OF BID

2.1) The offer should be in the two-bid system in a two-cover format – i.e., “Technical bid” and “Commercial bid”. Last date of submission: **25 November, 2021 before 3pm.**

2.2) Technical bid must contain only the technical details. This part must not include price offered by the bidder. The price must be mentioned only in the commercial bid part.

2.3) Late or delayed tenders shall be summarily rejected.

2.4) Bidder(s) must submit their PAN issued by Income Tax authorities, TIN, and a copy of the PAN / TIN with the bid.

2.5) Bid document(s) and all enclosures must contain the name and address of the bidder, as well as the signature and seal of the authorised representative of the bidder.

2.6) The Bank/RTGS details on the letter-head of the bidder(s) must be submitted along with the tenders (technical bid). A copy of the cancelled cheque should also be attached.

3. TECHNICAL BID

The technical bid should contain the following:

3.1) Overall compliance statement indicating adherence to each and every clause in the terms and conditions, as per Annexure-V.

- 3.2) Detailed technical description of the products and datasheets for the specific configuration options quoted.
- 3.3) A letter from the OEM authorizing the bidder to bid for this tender.
- 3.4) Terms for licensing (perpetual or linked with support contract) and service/support for each hardware/software component. Terms for software usage and update should be unambiguously stated.
- 3.5) It is mandatory that the Bill of Quantity (BoQ) adequately covers all necessary equipment. The bidder is required to indicate, by filling-in Annexure-I, whether each line item in the BoQ is quoted.
- 3.6) The bidder must specify the exact make and model number of RAM, HDD, SSD, NIC, RAID and BMC.
- 3.7) System should be factory assembled and tested at the OEM site.
- 3.8) Technical proposal should contain un-priced detailed BoQ.
- 3.9) Part numbers for all the quoted products should be specified.

4. COMMERCIAL BID

- 4.1) The commercial bid should contain details of the prices for each of the subsystems (including the software licenses), clearly mentioning the rate and the quantity. Price quoted should be inclusive of all taxes, delivery and installation charges at IHUB-Data , IIIT, Hyderabad.
- 4.2) Price must be offered only in the prescribed priced bid format for all the line items (Annexure III).
- 4.3) Price should include all discounts applicable to research institution

5. INSTALLATION

The total solution consisting of supply, installation, and commissioning, as per the PO (Purchase order), should be completed within 04 weeks after receiving firm PO from IHub-Data.

6. WARRANTY AND OEM SUPPORT CONTRACT

- 6.1) The bidder/OEM shall be fully responsible for the warranty period.
- 6.2) Preventive maintenance and repairs supplied by the bidder are the responsibilities of the bidder.
- 6.3) OEM support contract should be for a period of 5 years from the date of acceptance of the equipment.
- 6.4) While the support contract is valid, the bidder/OEM shall attend to all the problems on site and shall replace the defective parts at no extra cost to the purchaser within 5 working days after reporting the issue.

6.6) Performance security guarantee through any nationalized bank in India for 10% of the total purchase order amount shall be given by the selected bidder to the Purchaser (DD favoring "IIIT-H DATA I-HUB FOUNDATION".) Format of the performance security guarantee will be given by the purchaser at the time of issuing the purchase order.

6.7) OEM/bidder shall clearly specify the conditions over which the service obligations will be void. Detailed document regarding warranty conditions and applicability should be submitted along with bid with a declaration of accepting the warranty conditions of the purchaser.

7. GUIDELINES

7.1) Regarding any clarification on technical aspects or any other issue, a pre-bid meeting will be held on a date and time will be communicated through email, if any, may only be submitted to the email IDpurchases@ihub-data.iiit.ac.in before the pre bid meeting. No queries will be entertained after the pre-bid meeting.

The changes in the tender, if any, made after pre-bid meeting, would be published on the IHub-Data website <https://ihub-data.iiit.ac.in/>.

7.2) Delayed and/or incomplete tenders are liable to be rejected.

7.3) The technical bid should not contain any price information. Non-conformance will result in disqualification.

7.4) All pages of the technical bid should be duly signed by the bidder.

7.5) The bidders are requested to go through the terms and conditions detailed in this document, before filling out the tender. Agreeing to the terms and conditions of the tender document (by signing all pages of the copy of the tender document) is a mandatory requirement.

7.6) Award criteria: the two-cover system will be followed; the technical and commercial bids will be opened:

(i) Commercial bids of technically qualified bids alone will be taken up for further processing. Decision of IHub-Data will be final and binding.

(ii) IHub-Data will award the contract to the bidder whose technical bid has been determined by the Purchase Committee to meet technical evaluation criteria, and who has offered the lowest evaluated bid price.

7.7) IHub-Data reserves the right to accept or reject any bid, and to cancel the tender process and reject all bids, at any time prior to the award of contract, without thereby incurring any liability to the affected bidder(s) or any obligation to inform the affected bidder(s) of the grounds for the IHub-Data action.

7.8) The Director/Academic Head, IHub-Data, IIIT Hyderabad reserves the right to modify the technical specifications or the required quantity at any time.

7.9) Any disputes will be under jurisdiction of Hyderabad

7.10) The bid must be addressed to “The Chair, IHub-Data, IIT Hyderabad Purchase Committee” and the hard copy should be submitted via post or in person to – “IHub-Data Purchase Committee, IIIT Hyderabad Professor CR Rao Rd, Gachibowli, Hyderabad, Telangana 500032”. In addition soft copy should be emailed to purchases@ihub-data.iiit.ac.in.

7.11) Contact: any queries or requests for clarification must be directed (through email only) to purchases@ihub-data.iiit.ac.in

8. COMMERCIAL TERMS AND CONDITIONS

8.1) The commercial bid should contain, among other things, payment terms, warranty, installation, and commissioning charges. These charges will be paid only after successful supply, installation and acceptance.

8.4) Price should be quoted per unit and the total amount for the required quantity should also be quoted.

8.5) Offer should be valid for 60 days from the date of submission.

8.6) EMD for Rs. 3,00,000 should be submitted in a separate cover along with the technical and commercials bids (total 3 covers to be submitted).

8.7) EMD of unsuccessful bidders will be returned back after tending.

8.8) Certificate of origin to be submitted.

9. PAYMENT TERMS

9.1) Payment terms 90 % after delivery and balance 10% on Installation / acceptance / submission of bank guarantee and warranty certificate.

9.2) The performance security guarantee deposit will be returned after successful completion of one year after installation.

ANNEXURE –I

Technical Specifications

1 Web server: Quantity 1

Processor	1 × Intel Xeon Silver 4314 (16 C / 32 T, 2.4 GHz)
Chipset	Intel C621 series chipset
Memory	64 GB (8 × 8 GB) DDR4 2667 MHz ECC RAM
Drive Bays	At least 8 hot-swap SFF HDD bays
HDD	2 × 240 GB SATA SSD (At least 3 DWPD for 5 years)
	6 × 1.92 TB SATA SSD (At least 1 DWPD for 5 years)
Raid	12 Gbps hardware RAID controller with at least 1 GB Non-volatile Cache / Flash Backed Write Cache / Cache with Supercap
	Should support at least 8 SAS / SATA drives
	Should support RAID level 0,1,5,6,10
	Should support TRIM
	Should support online capacity expansion
	Should support consistency check scheduling
	Logical drive should be selectable as boot drive
Network Interface	4 × 1000BASE-T Ethernet ports
Remote Management	IPMI 2.0 compatible BMC with dedicated RJ45 port Should support web-based GUI, virtual media and KVM console over LAN
Power Supply	High efficient (95%), hot-plug, redundant PSU with C13/C14 cables
Chassis	1U/2U Rack mountable with sliding rail kit.
Warranty	5 years on-site NBD warranty

ANNEXURE –II	
Technical Specifications	
2 Storage server: Quantity 3	
Processor	1 × Intel Xeon Gold 6312U (24 C / 48 T, 2.4 GHz)
Chipset	Intel C621 series chipset
Memory	256 GB (8 × 32 GB) DDR4 3200 MHz ECC RAM
Drive Bays	At least 24 hot-swap LFF HDD bays and two hot-swap SFF bays in single 4U chassis or 1U/2U chassis with required number of external JBOD enclosures
OS Drives	2 × 480 GB Enterprise grade SATA SSD (Endurance rating ≥ 3.0 PBW)
OS RAID	12 Gbps hardware RAID controller Should support RAID level 0,1 and 1+0 Should support at least 4 SAS/SATA drives Should support TRIM Should support consistency check scheduling Logical drive should be selectable as boot drive (Broadcom 3008 based controller is preferable)
Data Drives	22 × Enterprise grade 14 TB 7200 RPM NL-SAS HDD
HBA*	PCIe 4.0 native Host Bus Adapter card Should support at least 72 SAS3/SATA drives Should support 12 Gbps SAS and 6 Gbps SATA Should have 4 × 4 internal / external ports Should support S.M.A.R.T
Network Interface	2 × 10GBASE-T Ethernet ports
Remote Management	IPMI 2.0 compatible BMC with dedicated RJ45 port Should support web based GUI, virtual media and KVM console over LAN.
Power Supply	High efficient (95%), hot-plug, redundant PSU with C13/C14 cables
Chassis	Rack mountable with sliding rail kit.
Warranty	5 years on-site NBD warranty

***Note: Native HBA card is preferable over RAID card in IT mode / pass-through mode**

ANNEXURE –III	
Technical Specifications	
3 Web server: Quantity 1	
Processor	1 × Intel Xeon Gold 6312U (24 C / 48 T, 2.4 GHz)
Chipset	Intel C621 series chipset
Memory	256 GB (8 × 32 GB) DDR4 3200 MHz ECC RAM
Drive Bays	At least 24 hot-swap LFF HDD bays and two hot-swap SFF bays in single 4U chassis or 1U/2U chassis with required number of external JBOD enclosures
OS Drives	2 × 960 GB Enterprise grade SATA SSD (Endurance rating ≥ 5.8 PBW)
OS RAID	12 Gbps hardware RAID controller Should support RAID level 0,1 and 1+0 Should support at least 4 SAS/SATA drives Should support TRIM Should support consistency check scheduling Logical drive should be selectable as boot drive (Broadcom 3008 based controller is preferable)
Data Drives	22 × Enterprise grade 14 TB 7200 RPM NL-SAS HDD
HBA*	PCIe 4.0 native Host Bus Adapter card Should support at least 72 SAS3/SATA drives Should support 12 Gbps SAS and 6 Gbps SATA Should have 4 × 4 internal / external ports Should support S.M.A.R.T
Network Interface	2 × 10GBASE-T Ethernet ports
Remote Management	IPMI 2.0 compatible BMC with dedicated RJ45 port Should support web-based GUI, virtual media and KVM console over LAN
Power Supply	High efficient (95%), hot-plug, redundant PSU with C13/C14 cables
Chassis	Rack mountable with sliding rail kit.
Warranty	5 years on-site NBD warranty

***Note: Native HBA card is preferable over RAID card in IT mode / pass-through mode**

ANNEXURE –IV	
Technical Specifications	
4 Web Server : Quantity 2	
Processor	1 × Intel Xeon Silver 4215 R (8 C / 16 T, 3.2 GHz)
Chipset	Intel C621 series chipset
Memory	48 GB (6 × 8 GB) DDR4 2400 MHz ECC RAM
Drive Bays	Hot-swap SFF / LFF bays
Drives	2 × 960 GB Enterprise grade SATA SSD (Endurance rating ≥ 5.8 PBW) 10 × Enterprise grade 12 TB 7200 RPM NL-SAS HDD
RAID	12 Gbps hardware RAID controller with at least 2 GB Non-volatile Cache / Flash Backed Write Cache / Cache with Supercap Should support at least 32 SAS / SATA drives Should support RAID level 0,1,5,6,10,50 and 60 Should support TRIM Should support online capacity expansion Should support consistency check scheduling Logical drive should be selectable as boot drive
Network Interface	2 × 10GBASE-T Ethernet ports
Remote Management	IPMI 2.0 compatible BMC with dedicated RJ45 port Should support web-based GUI, virtual media and KVM console over LAN.
Power Supply	High efficient (95%), hot-plug, redundant PSU with C13/C14 cables
Chassis	2U rack mountable with sliding rail kit.
Warranty	5 years on-site NBD warranty

ANNEXURE -V: TECHNICAL BID COMPLIANCE CHECKLIST

Sl.No	Criterion	Yes/No
1	Letter from OEM that the bidder is authorised to supply the equipment	
2	Whether the bidder has supplied similar equipment to Govt institutes or reputed firms and whether documentary proof attached	
3	Declaration that the bidder is not blacklisted by any Govt entities in India	
4	Detailed technical specifications and datasheets for all line items	
5	Terms for hardware/software licensing, updates and support clearly stated	
6	BoQ compliance sheet filled in and a copy of masked commercial bid attached	

ANNEXURE -VI: Price Bid Form

Sl.No	Product ID	Description	Qty	Unit Price (INR)	Taxes (%age ___)	Total Price (INR) incl. taxes

All the vendors should quote using the above format only else will be disqualified.