

NIT NO.:/ MDU/UCC/2026/MAY/007



MAHARSHI DAYANAND UNIVERSITY

Rohtak-124001, Haryana (INDIA)

(A State University established under Haryana Act No. XXV of 1975)

'A+' Grade University Accredited by NAAC

RE-TENDER DOCUMENT

PROCUREMENT OF SERVERS IN UNIVERSITY DATACENTER MDU ROHTAK

Document Date: **13.05.2026 04.00 PM**

Last date submission of the filled Tender document: 29.05.2026 up to 02:00 PM.
(The Tender document is to be submitted duly signed in blue/black ink on each page and stamped with official seal on each page)

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University Computer Center

NIT NO.:/ MDU/UCC/2026/MAY/007

Dated :13.05.2026 04.00 PM

Phone: 01262-293025

E-mail: dir.ucc@mdurohtak.ac.in

STANDARD BIDDING DOCUMENT FOR **PROCUREMENT OF SERVERS IN UNIVERSITY DATACENTER MDU ROHTAK**

PART1: COMPLETE BIDDING DOCUMENT

PRESS NOTICE

M. D. UNIVERSITY, ROHTAK Notice Inviting E-Tender	
Name of work	PROCUREMENT OF SERVERS IN UNIVERSITY DATACENTER MDU ROHTAK
E-Service Fees + Tender Doc. Fees	1180/- + 4,000/- =5,180/- (TO BE PAID ONLINE)
Earnest Money	2,70,000/- INR
Time Limit	15 DAYS
Tenders to be received: 29.5.2026 till 02:00 PM	
(1) THE TENDERS WILL BE RECEIVED ONLY THROUGH E-TENDERING. FOR FURTHER DETAILS, VISIT THE WEBSITE https://etenders.hry.nic.in/nicgep/app	

- The tenders will be received only through e-tendering. For further details, visit the website <https://etenders.hry.nic.in>
- Earnest Money (as mentioned above) is required to be deposited through online mode from <https://etenders.hry.nic.in>
- Willing bidders shall have to pay Rs.1000/- + GST as the e-Service/ Processing Fee through online mode from <https://etenders.hry.nic.in>
- The interested parties/bidders should visit the University website (<https://mdu.ac.in>) or <https://etenders.hry.nic.in> regularly for corrigendum(s) which may be issued regarding extension of date, modification of eligibility or amendments in other terms & conditions etc., as corrigendum(s) will not be published in newspapers.

REGISTRAR

DETAIL NOTICE INVITING E-TENDER

E-Tender is invited for the purchase of the following items in a single-stage two-cover system, i.e., Request for Technical Bid (online Bid under PQQ/ Technical Envelope) and Request for Financial Bid (comprising a price bid Proposal under an online available Commercial Envelope).

KEY DATES

Sr. No.	M.D.U. Rohtak Stage	Start Date & Time	End Date & Time
1	Tender Document Download and Bid Preparation & Submission	13.05.2026 04.00 PM	29.5.2026 till 02:00 PM
2	Submission of Tender Fees and online EMD Fees	13.05.2026 04.00 PM	29.5.2026 till 02:00 PM
3	Technical Opening/ Technical Evaluation/	13.05.2026 04.00 PM	
4	Clarification End Date (1 Week After tender Publication)		20.05.2026 02.00 PM
5	Opening of Financial Bid	FINANCIAL DATE WILL BE DECIDED LATER ON	

- Any clarification regarding the detailed notice inviting tender may be sought from the Director UCC during office hours at 01262-293025 or dir.ucc@mdurohtak.ac.in
- Tender document is available on website <http://etenders.hry.nic.in> and <https://mdu.ac.in>
- The Bidders would submit bid through e-Tendering only on the website <http://etenders.hry.nic.in>

Under the process, the Pre-qualification / Technical online bid application as well as online Price Bid shall be invited at single stage under two covers i.e. Technical & Commercial Envelope. Eligibility and qualification of the Applicant will be first examined based on the details submitted online under first cover (PQQ or Technical) and with respect to eligibility and qualification criteria prescribed in this Tender document. The Price Bid under the second cover shall be opened for only those Applicants whose PQQ/Technical Applications are responsive to eligibility and qualifications requirements as per Tender documents. The tenderer should read the terms & conditions and specifications in tender documents carefully before submission of e-tender. Tender documents can be downloaded/uploaded online on the Portal: <http://etenders.hry.nic.in>

- The payment of Tender Document fee as well as EMD and e-Service/Processing Fee shall be made by eligible bidders through online mode from <https://etenders.hry.nic.in>
- The interested bidders will be mandatorily required to online sign-up (create user account) on the website <https://etenders.hry.nic.in> to be eligible to participate in the e-tender

The Bidders can submit their tender documents (Online) as per the dates mentioned in the key dates

IMPORTANT NOTE:

- The Applicants/bidders have to complete the 'Application / Bid Preparation & Submission' stage on the scheduled time as mentioned above. If any Bidder fails to complete his / her aforesaid stage in

the stipulated online time schedule for this stage, his / her application/bid status will be considered as 'Applications/bids not submitted'.

2. Bidder must confirm & check his/her application/bid status after completion of his/her all activities for e-bidding.
3. Bidder can rework on his/her bids even after completion of the 'Application/Bid Preparation & submission stage' (Application/Bidder Stage), subject to the condition that the rework must take place during the stipulated time frame of the Bidder Stage.
4. In the first instance, the online payment details of tender document fee + e-Service and EMD & PQQ/Technical Envelope shall be opened. After that the financial bids of all technically qualified bidders shall be opened online in the presence of such bidders who either themselves or through their representatives choose to be present.
5. The bids shall be submitted online in two separate steps

Envelope 1: Technical Bid

The bidders shall upload the required eligibility & technical documents online in the Technical Bid.

Envelope 2: Commercial Bid

The bidders shall quote the prices in price bid format under Commercial Bid.

CONDITIONS: -

1. The tenderer should keep in touch with the University Website for any change in the DNIT till the last date/revised last date of online invited tender and incorporate such changes in DNIT and the tender bids.
2. DNIT and prequalification criteria can be seen on any working day during office hours in office of undersigned.
3. Conditional tenders will not be entertained & are liable to be rejected.
4. In case the day of the opening of tenders happens to be a holiday, the tenders will be opened on the next working day. The time and place of tender opening and other conditions will remain unchanged.
5. The University reserves the right to reject any tender or all the tenders without assigning any reasons.
6. The societies shall produce an attested copy of the resolution of the Executive/Governing body for the issuance of tenders.
7. The Jurisdiction of the court will be at Rohtak.
8. The tender of the bidder who does not satisfy the eligibility/qualification criteria in the bid documents is liable to be rejected summarily without assigning any reason, and no claim whatsoever on this account will be considered.
9. The bid for the contract shall remain open for acceptance during the bid validity period to be reckoned from the last date of submission of the tender. If any bidder/tender withdraws his bid/tender before the said period or makes any modification in the Terms and Conditions of the bid during the fixed validity period, the Earnest Money shall stand forfeited. Bids shall be valid for three months from the date of bid closing, i.e., from the last date of submission of EMD. In case the last day to accept the tender happens to be a holiday, the validity to accept the tender will be the next working day.
10. Any work/order, here tendered, may be withdrawn from further processing at any stage at the discretion of the competent authority without assigning any reason.

11. The University is competent to increase/decrease the volume of work/order. In case of a decrease in the volume of work/order, the contractor shall have no claim to any payment or compensation whatsoever on account of any profit or advantage that he might have derived from the execution of the work/order in full.
12. The University reserves the right to accept or reject or negotiate any of the tender or conditions/items without assigning any reason.
13. The Earnest Money (EMD) of the unsuccessful agency/firm shall be returned on completion of the Tender process.
14. In case of any dispute relating to this contract, the matter shall be referred to the Arbitrator to be appointed by the Vice-Chancellor, whose decision shall be binding on both parties.
15. Rates should be carefully filled up both in words and figures without any cutting, erasing, or overwriting.
16. In case the firm / agency quoting the lowest rates declines to accept the offer, the Earnest Money (EMD) of such firm shall be forfeited and firm shall be blacklisted by the University for any kind of dealing in future.
17. Any other conditions as may be deemed appropriate shall be announced at the time of Opening of Tenders in the presence of Bidders.
18. The agency / firm shall also append the following declaration with the tender

DECLARATION

I/We (Name) of the firm _____ do hereby solemnly affirm and declare that the facts stated in the Technical Bid are correct and true to the best of my / our knowledge and belief and nothing has been concealed therein. In case of any concealment or misrepresentation detected at any stage, I/We will be liable for legal action under Section 182 and Section 415 read with Section 417 and 420 of the Indian Penal Code as the case may be.

Place: _____

Dated: _____

(Signature of the Tenderer)
with full name and Address
with seal & stamp

For & on behalf of Registrar, MDU, Rohtak
Director UCC
M. D. University, Rohtak

INSTRUCTIONS TO BIDDER ON ELECTRONIC TENDERING SYSTEM

These conditions will overrule the conditions stated in the tender documents, wherever relevant and applicable.

REGISTRATION OF BIDDERS ON THE E-PROCUREMENT PORTAL: -

These conditions will over-rule the conditions stated in the tender documents, wherever relevant and applicable.

REGISTRATION OF BIDDERS ON THE E-PROCUREMENT PORTAL:-

All the bidders intending to participate in the tenders process online are required to get registered on the centralized E-procurement portal i.e. <https://etenders.hry.nic.in/nicgep/app>. Please visit the website for more details.

For other details/help, please refer to the e-procurement portal <https://etenders.hry.nic.in/nicgep/app>.

COVERING LETTER:

FORMAT OF LETTER TO BE SUBMITTED WITH THE TENDER FOR PROCUREMENT OF SERVERS IN UNIVERSITY DATACENTER MDU ROHTAK ROHTAK- 124001.

TO,

.....
 Director UCC
 MD University
 Rohtak – 124001 (Haryana)

Subject: PROCUREMENT OF SERVERS IN UNIVERSITY DATACENTER MDU ROHTAK

Dear Sir,

1. This is with reference to your TENDER notice dated I have examined the TENDER document and understood its contents. I hereby submit a Bid for the **PROCUREMENT OF SERVERS IN UNIVERSITY DATACENTER MDU ROHTAK**
2. The Bid is unconditional for the said tender. This bid is valid for a period of not less than 180 days.
3. It is acknowledged that the Authority will be relying on the information provided in the Tender and the documents accompanying such Tender for qualification of the bidders for the above subject items and we certify that all information provided in the Tender and in Annexures are true and correct; nothing has been misrepresented and omitted which renders such information misleading; and all documents accompanying the bid are true copies of their respective originals.
4. This statement is made for the express purpose of the above mentioned subject.
5. We shall make available to the Authority any additional information it may find necessary or require to supplement or authenticate the Qualification statement.
6. We acknowledge the right of the Authority to reject our bid without assigning any reason or otherwise and hereby relinquish, to the fullest extent permitted by applicable law, our right to challenge the same on any account whatsoever.
7. It is declared that:
 - a) We have examined the Tender document and have no reservations to the Tender document.
 - b) We have not directly or indirectly or through an agent engaged or indulged in any corrupt practice, fraudulent practice, coercive practice, undesirable practice, or restrictive practice in respect of any Bid or request for proposal issued by or any Agreement entered into with the Authority or any other public sector enterprise or any Centre/State Government or local bodies.
8. It is understood that the University may cancel the Bidding Process at any time without incurring any liability to the University and that you are neither bound to invite the applicants to Bid for the items nor to accept any bid that you may receive.
9. It is understood that the University can use any evaluation scheme/evaluation metrics/weightage or take the help of any consultant, as required in selecting the successful agency/agencies and we agree to abide by it.
10. It is certified that we have not been convicted by a Court of Law or indicted or adverse orders passed by a regulatory authority that could cast doubt on our ability to undertake the Services or which

relates to a grave offense that outrages the moral sense of the community.

11. It is hereby certified that the firm has not been debarred/blacklisted for any reason/period by any central/state Govt. department/University/PSU etc. if so particulars of the same may be furnished. Concealments of facts shall not only lead to cancellation of the order but may also warrant legal action. University may reject bids of firms which has been blacklisted at any time.
 12. It is hereby affirmed that we are in compliance of/shall comply with the statutory requirements, as applicable.
 13. We hereby irrevocably relinquish any right or remedy which we may have at any stage at law or howsoever otherwise arising to challenge or question any decision taken by the Authority in connection with the selection of bidders, selection of the Tenderer, or in connection with the selection/Bidding Process itself, in respect of the above-mentioned items and the terms and implementation thereof.
 14. We agree to undertake to abide by all the terms and conditions of the TENDER document.
 15. We agree to undertake to be liable for all the obligations of the Tenderer under the Agreement.
- In witness thereof, we submit this application under and in accordance with the terms of the TENDER document.

Place:-

Date :.....

Yours faithfully,

(Signature, name and designation of the Tenderer/Authorized Signatory)

Official Seal

CHECK LIST FOR DOCUMENTS TO BE SUBMITTED ALONGWITH TECHNICAL BID

Documents to be Submitted with Technical Bid

1. Basic Details of Firm
 - Name & address of the firm with contact number.
 - Name of the authorized signatory (with designation).
2. Statutory Registrations
 - Copy of PAN Card.
 - Copy of GST Registration Certificate.
 - Registration number of the firm.
3. Financial Documents
 - Copies of Income Tax Returns (ITRs) for the last 3 years.
 - Proof of average turnover (₹4 Crores or above, depending on the condition applied) during the last 3 years, certified by a Chartered Accountant.
4. Experience Proof
 - Copies of Work Orders / Completion Certificates / Purchase Orders showing experience of at least 3 years in Government/PSU/Universities/Boards/MNCs for similar Supply/Installation of items.
 - At least one Satisfactory Performance Certificate from an institution where similar work was undertaken.
5. Affidavit / Declaration
 - Affidavit on Non-Judicial Stamp Paper, duly attested by a Notary/1st Class Magistrate, stating the firm has not been blacklisted or debarred by any Govt/PSU/University/Private organization (Annexure-II format).
6. Eligibility Compliance Documents
 - OEM Authorization Letter / for the supply of required parts for this Bid.
 - Declaration regarding authorized signatory:
 - Sole Proprietor / Partner / Company Director as applicable.
7. Tender Related Submissions
 - Forwarding letter by the bidder.
 - Scanned copies of all documents (points 1–7 above) were uploaded with the tender.
 - EMD (Earnest Money Deposit) – 1,80,000/- Fixed to be paid online.
 - Tender Processing Charges (non-refundable).
 - E-Service Fee (as per Haryana Govt. portal).

NOTE

1. In case of any queries on technical specifications, please refer to the specifications mentioned in “Annexure A” only.
2. Delivery/Repair is to be carried at :

UNIVERSITY COMPUTER CENTRE
MD University
Rohtak-124 001
Haryana, India
3. GST will be at concessional rates, as applicable to non-profit, own-use institutions.
4. The decision of acceptance of the Bids will lie with the competent authority of the University, which does not bind itself to accept the lowest Bid and who reserves the right to reject or accept any or all bid received, without assigning any reason.

5. The Bids are liable to be rejected if any of the above conditions are not fulfilled or if the bid is not accompanied by EMD and Processing Charge.
6. The quantity may increase or decrease or be obsoleted without any notice.
7. The University reserves the right to split the order among more than one Tenderer.
8. Financial Bid of the Tenderers who qualify in the Technical Bid shall be opened in the presence of the authorized designated representatives and Tenderers who wish to be present there. The date of Financial Bid opening will be informed to the shortlisted bidders subsequently.
9. The University will be at liberty to involve any expert or consultant in evaluating the bid for completing the entire bid process.

SUBMISSION OF TENDER

SEALING AND MARKING OF TENDER:

1. The TENDER must be complete in all aspects and should contain requisite certificates, informative literature, etc.
2. The Tender Document can be downloaded from the MD University Rohtak website (mdu.ac.in).
3. This is a two-part bid consisting of a Technical Bid and a Financial bid
4. The bid shall include:
 - a. Forwarding letter by the Tenderer
 - b. All required documents
 - c. Tender processing charges (non-refundable)
 - d. Interest-free EMD (Earnest Money Deposit) to be deposited online on e-tender portal
 - e. Technical Bid
 - f. Financial Bid
5. TENDER should be addressed to: -

UNIVERSITY COMPUTER CENTRE
MD University
Rohtak-124 001
Haryana, India

EXPENSES OF AGREEMENT:

All the expenses on the execution of the Agreement (if any) including the cost of a stamp paper or any other kind of expenditure incurred in the process of TENDER submission till final compliance shall be borne by the Tenderer.

DEADLINE FOR SUBMISSION OF BIDS:

TENDER must be received by the MD University Rohtak at the date, time and address specified in the TENDER notice/TENDER documents.

LATE BIDS:

Any TENDER received after the deadline specified for submission of TENDER shall be rejected without any further correspondence to the Tenderer.

TENDER OPENING

OPENING OF FINANCIAL BID:

Financial Bid (Tenders) of the Tenderers who qualify in the Technical Bid shall be opened in the presence of designated Authority and Tenderers who wish to be present there. The date of financial bid opening will be informed to the shortlisted bidders subsequently.

CLARIFICATION OF TENDER:

To assist in the examination, evaluation and comparison of Tender, University may at its discretion ask the Tenderers for a clarification on the Tender which is submitted by him. The request for clarification and the response shall be in writing.

EVALUATION OF TENDER:

The university will be at liberty to involve any expert or consultant and use appropriate metrics and weightages in evaluating the bid for completing the entire bid process.

AWARD OF PURCHASE ORDER

Successful Tenderer shall be awarded the Purchase/Work Order. If after accepting the Purchase/Work Order, the agency fails to supply the items, EMD will be forfeited and the agency will be blacklisted, in addition to recourse to other penal measures. No grievance will be entertained in this regard.

- 6.1 University reserves the right to negotiate with eligible tenderers before finalization of the Tender and/or contract.
- 6.2 University reserves the right at the time of award of Purchase Order to increase or decrease even obsolete the number of items without any change in terms and conditions.
- 6.3 The bidders must quote rates and other terms and conditions for all the equipment/items, failing which tender may be rejected. Total cost of the bid will be one of the important deciding factor while deciding the bid in favor or against any bidder.

NOTIFICATION OF AWARD

Prior to the expiration of the period of Tender validity, the University will inform the Tenderer appropriately that the Bid has been accepted and the Purchase Order has been awarded.

(Signature of Tenderer)

Official seal

BIDDER'S ELIGIBILITY CONDITIONS:

1. **Average Turnover Requirement**
The bidder must have an average annual turnover of ₹4 Crores or above during the last three financial years. Proof of turnover (CA-certified or audited balance sheets) must be enclosed.
2. **Relevant Experience**
The bidder must have prior experience in executing IT-related supply/ installation or configuration of similar items for State Government affiliating Universities / Boards / Institutions / PSUs, etc. Documentary proof such as purchase orders or completion certificates must be attached.
3. **Affidavit of Non-Blacklisting**
The bidder must submit an affidavit on non-judicial stamp paper, duly attested by a 1st Class Magistrate / Notary, declaring that they have not been debarred or blacklisted by any State / Central Government, PSU, University, or private organization. (Refer Annexure-II)
4. **Performance / Satisfactory Certificate**
The bidder must furnish at least one satisfactory performance certificate from an institution where similar IT items were supplied or installed, as declared in their eligibility documents.
5. **Authorized Signatory Declaration**
The bidder must provide a declaration confirming the authority of the individual signing the bid:
 - If a Sole Proprietor, a self-certification or power of attorney must be attached.
 - If a Partnership Firm, the signing partner must have proper authorization or all partners must sign the bid.
 - If a Private Limited / Public Limited Company, the signatory must be an authorized signatory of the company.
6. **Income Tax Returns**
The bidder must attach self-attested copies of the last Three years' Income Tax Returns (ITRs) along with the tender.
7. **PAN and GST Registration**
The bidder must attach self-attested copies of PAN and GST registration certificates.
8. **Fees Submission (Mandatory Online Mode)**
EMD, Tender Fee, and e-Service Fee must be submitted through online mode only. Any other mode of payment will not be accepted.
9. **OEM Authorization**
The bidder must submit a bid-specific OEM Authorization Letter from the original manufacturer for the items offered.
10. **OEM Support Commitment**
The OEM must provide a bid-specific support commitment letter confirming:
 - i. Five (5) years warranty coverage, and
 - ii. Lifecycle assurance and spare parts availability.

TERMS AND CONDITIONS

E-Tenders are invited for the PROCUREMENT OF SERVERS IN UNIVERSITY DATACENTER MDU ROHTAK.

A. GENERAL CONDITIONS

1. Every e-tender shall be accompanied by an Earnest Money Deposit (EMD) 2,70,000/- Fixed to be paid online..
2. Performance Guarantee: The successful tenderer shall submit a performance guarantee of 5% of the total contract amount before signing the agreement. This guarantee shall be refunded after successful completion of the contract, subject to adjustments for any recoveries.
3. No charges other than those explicitly mentioned in the tender shall be paid.
4. The quantity of parts may increase or decrease, which shall be communicated by the University at the beginning of the concerned quarter.
5. The University reserves the right to accept or reject any or all tenders without assigning any reason. The Registrar also reserves the right to split the order among multiple vendors or accept/reject individual items within the bid.

B. SERVICE & MAINTENANCE OBLIGATIONS

6. If the contractor fails to complete the work within the stipulated time, a penalty of ₹2,000 per day shall be imposed, subject to a maximum of 10% of the total contract value.
7. Comprehensive Warranty Clause:
 - o All replaced parts and serviced equipment must carry a minimum 5-year comprehensive warranty from the date of successful Implementation /completion of Project.
 - o The comprehensive warranty shall cover all spare parts, labor, and service charges.

C. FINANCIAL TERMS & PAYMENT CONDITIONS

10. No advance payment shall be made.
11. The quoted rates shall be quoted as per financial format.
12. The contractor shall be liable for any damage to university property caused due to negligence or faulty workmanship.

D. PENALTIES & LIABILITIES

13. If the contractor backs out in mid-term, they shall be liable for recovery at a higher rate for alternative arrangements made by MDU Rohtak. This shall also result in:
 - o Debarring the contractor from future work at MDU Rohtak.
 - o Forfeiture of EMD/performance guarantee.
14. The contractor shall indemnify MDU Rohtak against all legal liabilities arising from actions, claims, or disputes related to:

- Service-related damages.
 - Injuries to staff/workers.
 - Environmental/safety violations.
-

E. ARBITRATION & LEGAL JURISDICTION

15. Any dispute arising out of the contract shall be settled through mutual consultation. If unresolved, the dispute shall be referred to Arbitration under the Arbitration and Conciliation Act, 1996.
16. The jurisdiction for all legal disputes shall be Rohtak, Haryana.

I

BOQ

PROCUREMENT OF SERVERS IN UNIVERSITY DATACENTER MDU ROHTAK

Sr. No.	Name of Item / Description	Qty
1	Supply, Installation, Testing & Commissioning (SITC) of Blade Server Chassis supporting minimum 8 blades, with dual redundant power supplies, hot-swappable fans, I/O modules, and chassis management system as per technical specifications with 5 years warranty & Support	1
2	Supply of Blade Servers (dual-socket, 32 cores per CPU, 512 GB DDR5 RAM, dual 25G LAN + dual 32G FC, boot RAID, as specified) with 5 years warranty & Support	5
3	64 GB DDE5 ECC Ram with the same speed as provided with the servers with 5 years warranty & Support	40
4	Supply of NVIDIA L40 GPU (configured on 2 blade nodes as per specification) with 5 years warranty & Support	2
5	Supply of Microsoft Windows Server 2025 Datacenter Academic License with 10 CAL per server.	5
6	End-to-End Integration, Configuration & Commissioning — includes installation and configuration of all supplied servers and chassis; integration with NetApp AFF C250 Storage , LUN creation and mapping, zoning on Cisco MDS 9132T SAN switches; network VLAN/VSAN configuration; deployment of enterprise monitoring and SIEM solutions; implementation of security hardening, compliance configuration, documentation, testing, and knowledge-transfer as per Scope of Work.	

TECHNICAL SPECIFICATIONS FOR CHASSIS AND BLADE SERVERS

CHASSIS

Qualified OEM:

DELL/HP/Cisco

Sr.No.	Item	Specification
1	Enclosure	Blade chassis shall be 19" rack mountable
		The enclosure Should support minimum 8 nos. of latest generation Intel/AMD Dual socket servers occupying a max of 10RU rack height.
	Power	The enclosure should be populated fully with power supplies of the highest capacity & should be energy efficient. Chassis should be configured with Titanium certified Power supply.
		The power subsystem should support N + N / N+1 power redundancy (where N is greater than 1) for a fully populated chassis.
Cooling	Each blade enclosure should have a cooling subsystem consisting of redundant hot pluggable fans or blowers.	
2	Chassis Connectivity to Blade	The blade chassis should have redundant switch bays providing 100G Connectivity to the Blade server housed in the chassis. Ethernet uplink of 400G to Front end Leaf switch for north South Communication. Offered Switch should support min. of 1.6Tbps throughput. offered switch should support min. 4 * 100G uplink port to North-South Leaf Switch and min. 4 * 32G FC ports to connect SAN Switch/FC Storage.
	I/O/TOR Switch Module	Chassis should provide a minimum 200G FCoE connectivity for each blade. Offered switch inside Chassis should support QoS on storage traffic and enable lossless fabric.
3	Chassis Management Software	Blade chassis management solution may be provided internal / external to the chassis and must provide single console for managing all associated components like Blade Servers, raid settings, NIC/HBA cards, IO Modules, Power supplies, Fans.
		Licenses to support the features to be supplied for fully populated chassis.
		Proposed solution should support provisioning virtual, physical and container infrastructure from pools of compute, storage and networking resources. The management software should be used to create resource pools and have the blade resources assigned to the respective resource pools & re-assign resources to effectively utilize infrastructure.
		Should be able to provide Single Pane of Glass view management for both Rack Servers and Blade Servers together in a given location with customizable dashboard to show overall faults / health / inventory for all managed infrastructure. With option to create unique dashboards for individual users. The user should have flexibility to select names for dashboards and widgets (ex:- health, utilization etc.). These licenses should be included on day 1.
		The proposed solution should use AI/ML technology for infrastructure firmware updates & upgrades for the proposed system. Should support activity, Health and Power LEDs for immediate status.
		The management solution should be open & programmable should provide Rest API's, SDK for programming languages ex:- Python, power shell scripting etc.

		The management tool should be able to provide global resource pooling and policy management to enable policy-based automation
		Zero-touch auto configuration to auto deploy a baseline server configuration profile Automated hardware configuration and Operating System deployment to multiple servers
4	Configuration & Management	<p>System should support multiple management interface like Web UI, CLI and XML API. Management solution should be able to manage different form factor hardware and provide single console.</p> <ul style="list-style-type: none"> * Real-time out-of-band hardware performance monitoring & alerting. * Remote Power On, Off and reset from Web UI, XML API and KVM. * The management tool should be able to provide global resource pooling and policy management to enable policy based automation and capacity planning. *Virtual IO management and stateless computing * The server should support industry standard management protocols like IPMI v2 and SNMP v3 and Redfish v1.01 * The management software should participate in server provisioning, device discovery, inventory, diagnostics, monitoring, fault detection, auditing, and statistics collection. *Server management software should provide capability to view health , inventory for third-party compute, network, storage, integratedsystems, virtualization, and containers. * Server management system should provide an alert in case the system is not part of OEM Hardware Compatibility list & should provide anti counterfeit. *The proposed management solution should provide proactive security & software advisory alerts and should outline the fixes required to address the issues. *The proposed management solution should analyze current configurations & identify potential issues due to driver & firmware incompatibility. *The proposed management solution should provide policy control to prevent drift of server configurations. *The proposed solution should have customizable dashboard to show overall faults / health / inventory for all managed infrastructure. With option to create unique dashboards for individual users. The user should have flexibility to select names for dashboards and widgets (ex:- health, utilization etc.)

BLADE SERVERS (FIVE)

Sr. No.	Item	Specification
1	CPU	Each blade shall have two numbers of latest 5th Gen Intel Xeon Scalable/AMD Processors with Min. 32 cores per processor each having Min. 2.8 GHz processor clock speed, min 60 MB cache
2	Motherboard	Intel chipset compatible with the offered processors.
3	Memory	Min. 24 DIMM slots, should be provided with 1 TB RAM using DDR5 DIMM's operating at min 5600 MT/s.Offered CPU must support min 5600 memory speed to have balanced configuration

4	Memory Protection	Advanced ECC protection, online mirror memory
5	OS drives	2*Min 480GB M.2 SSD drives for OS with H/W RAID controller.
6	Storage Controller	Raid Controller with RAID 0/1 / 5 /6 /10 with 4GB cache
7	Server Connectivity	Dual port 100GbE per blade bandwidth FCoE Adaptor.
		Each Blade should have redundant network Connectivity to all the Chassis Interconnect Switch.
8	Security	<p>Should have a cyber resilient architecture for a hardened server design for protection, detection & recovery from cyber attacks. Should protect against firmware which executes before the OS boots</p> <ul style="list-style-type: none"> - Hardware based Root of Trust - Signed firmware updates - Secure default passwords - Secure alerting - Automatic BIOS recovery - Rapid OS recovery - System Drift Detection - Configuration upgrades should be only with cryptographically signed firmware and software
9	Interfaces	Minimum of 1* internal USB 3.0 port
10	Operating System and Virtualization Support	Microsoft Windows Server, Red Hat Enterprise Linux (RHEL), VMware, SUSE Linux Enterprise Server (SLES)

NVIDIA L40 GPU (configured on 2 blade nodes as per specification) with all licenses

Operating System: Microsoft Windows Server 2025 datacentre Academic license with 10 CALs for each server

SCOPE OF WORK (SOW) FOR SUPPLY AND INSTALLATION OF FIVE SERVERS

The scope of work covers the **end-to-end implementation, configuration, integration, and commissioning** of the new **blade server infrastructure** along with **NetApp C250 storage, SAN connectivity, and enterprise monitoring & SIEM deployment**. The successful bidder shall ensure complete functionality, documentation, and operational readiness of the deployed environment.

PRE-INSTALLATION & SITE READINESS

- Conduct physical site survey and validate environmental readiness (rack space, power, cooling, grounding, and earthing compliance).
- Prepare and submit a **Site Readiness Checklist** for sign-off before shipment and installation.
- Verify availability of required PDU sockets (redundant A/B power feeds) and fiber connectivity from SAN switches.
- Coordinate with existing data center operations team to plan minimal downtime during integration.

HARDWARE INSTALLATION

- Unpack, verify inventory, and rack-mount **blade chassis, interconnect modules, and blade servers**.
- Connect chassis power supplies to dual PDUs ensuring redundancy (A/B feeds).
- Install required **mezzanine adapters (FC/Ethernet/InfiniBand)** in each blade server.
- Connect interconnect modules to upstream network and SAN switches.
- Label all cables and ports for easy identification.
- Validate power-on, firmware versions, and hardware health of each chassis component.

CHASSIS & INTERCONNECT CONFIGURATION

- Configure chassis management modules and assign IPs for OOB (out-of-band) management.
- Create **logical interconnect groups, uplink sets, port-channels, VLAN mappings, and VSAN zoning** as per MDU's network design.
- Configure **firmware baselines**, compliance policies, and apply updates to achieve uniform versions across all components.
- Define **server profiles, UUID/MAC/WWPN/WWNN pools**, BIOS templates, and boot policies.
- Ensure high availability through redundant fabric paths and failover policies across chassis and uplink connections.

SERVER PROVISIONING & OS DEPLOYMENT

- Provision all blade servers using standard service profiles.
- Configure **RAID/storage controllers** for local boot or SAN boot depending on design.
- Install and configure the required **hypervisors and operating systems** (VMware ESXi, Microsoft Windows Server, RHEL, or Rocky Linux).
- Implement PXE/iPXE or unattended ISO installation methods as applicable.
- Integrate system provisioning with **Ansible / SCCM / VMM** automation frameworks.

NETWORK INTEGRATION

- Define and segregate physical and logical networks:
 - Management Network (OOB)
 - Data / Application Network (Production VLANs)
 - Storage Network (iSCSI, FC, FCoE, NVMe-oF)
 - Backup & DR Network
- Configure **LACP**, NIC bonding/teaming (802.3ad, TLB/ALB), and enable **jumbo frames** where required.
- Implement **network segmentation** using VLANs, VXLANs, or NVGRE overlays.
- Integrate servers and interconnects with **firewalls, routers, and load balancers** in compliance with the University's security policy.

STORAGE INTEGRATION (NETAPP C250)

- Integrate and configure **NetApp AFF C250 storage system** with blade and virtualization environment.
- Perform **SAN zoning** on Cisco MDS 9132T or equivalent FC switches for secure host-storage communication.
- Create **storage aggregates, SVMs (Storage Virtual Machines)**, and **LUNs/Volumes** as per workload design.
- Map and assign LUNs to respective initiators (servers/hosts) using **iSCSI, FC, or NVMe-oF** protocols.
- Validate **LUN visibility, multipath configuration**, and **boot-from-SAN** functionality.
- Configure **snapshot, deduplication, compression**, and storage efficiency features on NetApp C250.
- Integrate NetApp storage with **VMware vCenter / Hyper-V / SCVMM** for datastore creation and mapping.
- Document **LUN mapping tables, zoning configuration**, and **SVM policies**.

- Conduct performance testing and I/O validation to ensure optimal throughput and latency.

SECURITY & COMPLIANCE

- Enable **Secure Boot**, TPM, firmware integrity validation, and signed firmware enforcement.
- Implement **Role-Based Access Control (RBAC)** across management platforms.
- Integrate all components with centralized **logging/SIEM** for audit and traceability.
- Harden all OS, hypervisors, and management interfaces as per CIS benchmark recommendations.

MONITORING, LOGGING & MANAGEMENT

- Deploy an **on-premise enterprise monitoring solution** to cover:
 - Servers, Storage, Applications, Databases, Operating Systems, Network Switches, Firewalls, WAF, SLB, IP Cameras, NVRs, and DVRs.
 - Minimum coverage: **1,000 IP-enabled devices** with either perpetual license or **5-year subscription**.
- Integrate blade chassis and NetApp storage with monitoring tool via SNMPv3 or APIs.
- Define and configure **alerting thresholds** (temperature, power, PSU, CPU, memory, latency).
- Enable **Call-Home / AutoSupport** with OEM for proactive incident resolution.
- Deploy an **on-premise SIEM solution** for centralized logging, correlation, and alerting of all data center devices.
 - Minimum capacity: **5,000 EPS (Events per Second)** with perpetual license or 5-year subscription.
- Ensure integration between Monitoring, SIEM, and Helpdesk systems for automated ticket creation.

OPERATIONS & HANDOVER

- Develop and hand over **Standard Operating Procedures (SOPs)** for day-to-day management.
- Define and document **incident, problem, and change management** workflows with escalation matrix.
- Deliver comprehensive **As-Built Documentation** covering rack layouts, cabling, logical and physical topologies, IP addressing, firmware versions, and configuration backups.

- Conduct **Knowledge Transfer (KT)** sessions for the UCC operations team, including practical demonstrations and admin training.
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DELIVERABLES

1. Pre-installation and site readiness report.
 2. Installed and powered-on blade chassis and servers (with inventory and labeling).
 3. Configured interconnect modules, uplink groups, and server profiles.
 4. Provisioned blade servers with OS/hypervisors.
 5. Integrated network and NetApp storage with verified LUN mapping.
 6. Security hardening and compliance verification report.
 7. Enterprise monitoring and SIEM integration report.
 8. Standard Operating Procedures (SOPs) and operational runbooks.
 9. Complete As-Built documentation and topology diagrams.
 10. Training and knowledge transfer completion certificate.
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OPERATIONS PHASE

- Quarterly firmware and patch updates for server, storage, and network components.
- Quarterly **capacity planning and performance tuning** review.
- Annual **Disaster Recovery (DR) drill and failover validation** with report submission.
- SLA-based **incident management and change control** support for entire setup.

TECHNICAL ENVELOPE

Sr. No.	Description	Supplier's Response (Yes/No)	Page No.	Remarks / Document Reference
1.	Basic Details of the Firm <ul style="list-style-type: none"> • Name & full address of the firm with contact number. • Name, designation, and contact details of authorized signatory. • Email ID and official communication address. 			
2.	Statutory Registrations <ul style="list-style-type: none"> • Copy of PAN Card. • Copy of GST Registration Certificate. • Firm Registration Certificate / Incorporation Certificate (for Pvt. Ltd. / LLP) 			
3.	Financial Proofs <ul style="list-style-type: none"> • Copies of Income Tax Returns (ITRs) for the last three (3) financial years. • CA-certified average annual turnover certificate showing ₹4 Crores or above for the last 3 years. • Audited balance sheets / profit & loss statements. 			
4.	Firm Registration Details <ul style="list-style-type: none"> • Valid registration number of the firm under the relevant Act. • MSME / Udyam Registration (if applicable). 			
5.	Experience Documents <ul style="list-style-type: none"> • Copies of Work Orders / Completion Certificates for similar IT/server supply and installation in Govt./PSU/Universities/Boards/MNCs during the last 3 years. 			
6.	Affidavit / Declaration <ul style="list-style-type: none"> • Affidavit on Non-Judicial Stamp Paper, duly attested by a Notary / 1st Class Magistrate, declaring that the firm has not been blacklisted or debarred by any State/Central Govt., PSU, or private institution. (As per Annexure-II) 			
7.	OEM Authorization & Support Commitments <ul style="list-style-type: none"> • Bid-specific OEM Authorization Letter from the manufacturer. • Bid-specific OEM Support Commitment Letter confirming: <ul style="list-style-type: none"> i. Minimum 5 years warranty coverage, and ii. Lifecycle assurance and spare availability for the entire contract duration. • Proof of OEM partnership/certification (Premier / Gold / Authorized Partner level). 			
8.	Warranty & Service Support Documents <ul style="list-style-type: none"> • OEM's 5-year comprehensive warranty confirmation. • List of authorized service centers in North India / Haryana region. • Escalation matrix and response time commitments (SLA). 			

9.	Detailed BOQ With Make & Model of the Equipment Being Quoted			
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NOTE:

All the Technical Documents should be uploaded on the e-tender portal. The non-submission/poor management of documents may lead to disqualification as well with Page no digital printed on the bottom of the page

FINANCIAL ENVELOPE

Sr. No.	Name of Item / Description	Qty	HSN Code	Unit Rate without GST (₹)	Unit Rate with GST (₹)	Total Rate (Qty × Unit Rate with GST) (₹)
1	Supply, Installation, Testing & Commissioning (SITC) of Blade Server Chassis supporting minimum 8 blades, with dual redundant power supplies, hot-swappable fans, I/O modules, and chassis management system as per technical specifications with Comprehensive Warranty and Support (5 Years)	1				
2	Supply of Blade Servers (dual-socket, 32 cores per CPU, 512 GB DDR5 RAM, dual 25G LAN + dual 32G FC, boot RAID, as specified) with Comprehensive Warranty and Support (5 Years)	5				
3	64 GB DDE5 ECC Ram with the same speed as provided with the servers with Comprehensive Warranty and Support (5 Years)	40				
4	Supply of NVIDIA L40 GPU (configured on 2 blade nodes as per specification) with Comprehensive Warranty and Support (5 Years)	2				
5	Supply of Microsoft Windows Server 2025 Datacenter Academic License with 10 CAL per server.	5				
6	End-to-End Integration, Configuration & Commissioning — includes installation and configuration of all supplied servers and chassis; integration with NetApp AFF C250 Storage , LUN creation and mapping, zoning on Cisco MDS 9132T SAN switches; network VLAN/VSAN configuration; deployment of enterprise monitoring and SIEM solutions; implementation of security hardening, compliance configuration, documentation, testing, and knowledge-transfer as per the Scope of Work.	1				

All the Financial Documents should be uploaded on the e-tender portal. The non-submission/poor management of documents may lead to disqualification.