राष्ट्रीय प्रौद्योगिकी संस्थान मणिपुर
NATIONAL INSTITUTE OF TECHNOLOGY MANIPUR

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An Autonomous Institute under Ministry of Education, Govt. of India.

NITM.1/(29-Estt)/Pur/Comp/Server/2025/R-1007   Imphal, the 15th April, 2025

To,

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Subject: Enquiry for replacement of the crashed rack server unit.

Sir,

Please provide a sealed rate quotation for the replacement of the crashed rack server unit.

Sl.	Item	Minimum Specification	Total (Rs)
1	Chassis	Maximum 2U rack mountable	
2	CPU	2 nos. Intel Xenon-Gold 2.9Ghz 16-core	
3	Memory	2 nos 64 GB or higher DDR5 memory modules (RDIMM/LRDIMM). Server shall support 32 memory module slots with a minimum scalability upto 8 TB RAM	
4	HDD Bays	Support up to minimum 8SFF HDD/SDD/NVMe driver or higher	
5	Storage	4 nos 3.8 4TB SATA 6G Read Intensive SFF SSD	
6	Networking	4x1G NIC & 2 x 10G BaseT	
7	Controller	PCIe 4.0 based Tri-mode SAS/SATA/NVMe 12Gb/s RAID Controller with RAID 0/1/5/6 with 4GB battery backed write cache.	
8	KVM switch	8-port PS/2 USB VGA KVM switch with 19" LCD, Daisy chain port and USB peripheral support	
9	MS windows server	Microsoft windows server 2019 or latest	
10	MS SQL server	Microsoft SQL server 2019 or latest	
		Total amount without GST	
		GST …………..(%) as applicable	
		Grand total with GST	

(Rupees in words…………………………………………………………………….……)
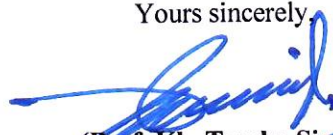
Note: Detailed minimum specifications is enclosed at Annexure-I.

Terms & Conditions:
1. Sealed rate quotation should reach to **The Registrar, NIT Manipur, Langol, Lamphelpat, Imphal, Manipur - 795004 on or before 4:00 p.m of 22/04/2025.**
2. The envelope should be superscribed as **"Quotation for replacement of the crashed rack server unit.**
3. GST and all other applicable charges must be indicated separately.
4. Quotation will be opened on **23/04/2025 at 2:00 P.M**. in the Institute's Conference Hall before the representatives of the vendors who are present at the scheduled date and time.
5. Quotation received after the due date and time will not be accepted.
6. All bidding vendors may send their representatives to attend in the opening of the quotation.
7. Price must be F.O.R NIT Manipur, Langol, Imphal.

Yours sincerely,

(Prof. Kh. Tomba Singh) 15/04/2025

Registrar, NIT Manipur

Copy to:
1. P.S. to the Director, NIT Manipur for kind info.
2. Chairman, IPC, NIT Manipur.
3. CF/GF

Rack Mounted Server, KVM switch, Misc software,specification

Sl.	Features	Minimum Specifications Required
1	Form factor	2U Rack
2	Processor supported	Up to two Intel Xeon 3rd Generation Bronze, Silver, Gold, or Platinum processors
3	Processor populated	2 x Intel Xeon Gold 6326 16C 185W 2.9GHz Processor
4	Chipset	Intel C621A or better
5	GPU Support	Supports up to eight single-width GPUs or three double-wide GPUs
6	Memory Slots	32 DIMM slots with two processors (16 DIMM slots per processor). Each processor has 8 memory channels, with 2 DIMMs per channel
7	Memory maximum supported	Up to 8TB by using 32x 256GB 3DS RDIMMs Memory DIMMs only
8	Memory Populated	64GB DDR4 3200MHz RDIMM
9	Memory protection	System should supports Intel Optane Persistent Memory 200 Series. ECC, SDDC (for x4-based memory DIMMs) and memory mirroring.
10	Disk drive bays support	Must Support : Up to 20x 3.5-inch or 40x 2.5-inch hot-swap drive bays or 16x NVMe drives
11	Any Bay Support	Server HDD bays must support " Any Bay" feature
12	Internal storage with Server	4 x 3.84TB SATA SSD 2.5" Hot Swap Drive
13	Controller supported	12 Gbps SAS/6 Gbps SATA RAID, supporting RAID 0/1/10/5/50/6 with optional 2GB or 4GB or 8GB Flash
14	Controller Populated	4GB Flash PCIe adapter
15	Network interfaces supported	Onboard LOM slot for up to 4x 1Gb Ethernet ports + 1 x 10GBase-T 2-Port
16	PCI Exp Slots	Up to 8 PCIe 4.0 slots
17	Ports	Front: Front: 1x USB 3.1 G1 (5 Gb/s) port, 1x USB 2.0 port
18		Rear: 3x USB 3.1 G1 (5 Gb/s) ports, 1x VGA video port, 1x RJ-45 1GbE systems management port
19	Cooling	6x (with two processors installed) single-rotor or dual-rotor hot swap fans. Fans are N+1 redundant, tolerating a single-rotor failure. One fan integrated in each power supply.
20	Power Supply Populated	2 x 750W Platinum Hot-Swap Power Supply or better
21	Video	G200 graphics with 16 MB memory with 2D hardware accelerator. Maximum resolution is 1920x1200 32bpp at 60Hz.
22	Diagnostic Panel	Must Support : basic light path diagnostics, which provides the system LEDs on the front of the server and the LEDs near the monitored components (for example, the DIMM error LEDs on the system board).
23	Predictive Failure Alerts	The system should detect when system components operate outside of standard thresholds and generates proactive alerts in advance of possible failure. The PFA should cover all the critical components, processors, VRMs, memory, disks, fans, and power supplies.

24	Systems management	Must Support : Proactive platform alerts, light path diagnostics, Integrated Provisioning Manager, Systems Management must Integrate with VMware vCenter and Microsoft System Center, Systems management Energy Manager, Capacity Planner.
25	Regulatory Compliance	Must Support : RoHS, FCC, Energy Star 3.0, ANSI/UL 62368-1, BIS certificate
26	Management Software	The management solution should provide an agent-free hardware management . This means that the endpoints that are managed do not need special software agents or drivers to be installed or maintained
27		The management software should support functions like Automatic Discovery, Inventory , Monitoring , Firmware updates, Firmware compliance
28		Configuration management, Deployment of operating systems and hypervisors to bare metal servers.
29		The compliance policy should monitor changes to the hardware inventory, flagging any down level non-compliant systems.
30		The management solution should have an audit log that provides a historical record of user actions, such as logging on, creating users, or changing user passwords.
31		The management solutoin should support integration into external, higher level management, automation, and orchestration platforms through open REST application programming interfaces (APIs)
32	Security features	Must Support : Power-on password, administrator's password, Trusted Platform Module (TPM), supporting TPM 2.0, Industry-standard Advanced Encryption Standard (AES) NI support for faster & stronger encryption.
33	Operating systems support	Must Support : Microsoft Windows Server, Red Hat Enterprise Linux, SUSE Linux Enterprise Server, VMware ESXi.
34	Warranty	3Yr 24x7 4Hr Response + HDD Retention (defective HDDs will not be returned back to Vendors/ OEM)
35	Qualification Credentials	The Bidder should be in IT Business for the last 15 Years.
36		The Bidder should be a Company Registered under the Companies Act, 1956/2013 since the last Ten years Incorporation Certificate to be submitted.
37		Bidders should have PAN, GSTIN and registered with Provident Fund & ESIC
38		Bidders should have net positive worth. Documentary evidence in this regard should be enclosed along with Technical Bid.
39		The Bidder should have a valid ISO 9001, ISO 14001; ISO 20000-1; ISO 27001 Certificate.
40		Certifications must be enclosed along with the technical bid
41		The Bidder should have Established own IT service center in North East Region for at least for the last 10 years. (Relevant valid Govt. documentary evidence like trade license, GST certificate etc. from respective Govt. agency should be submitted
42		The Bidder Should submit the Product Certifications for All Quoted Products

43		Original brochures with relevant page(s) in support of the technical specifications of the equipment along with the web addresses/URL of the manufacturers.
44		The OEM must have minimum 15 Years presence in India. Certificate of Incorporation to be submitted.
45		Bidder should submit an OEM Authorization Letter from respective Manufacturers to be issued in the name of tender calling Organization mentioning Bid No. and date for quoted item and it should be signed by authorized power of Attorney holder person of the OEM. (Concerned OEM Person Contact Details to be Mentioned in Technical Bid and it shall be cross verified will from OEM)
46		The Bidder should have min 2 no. OEM certified engineer under its payroll. OEM Declaration to be submitted
47		The Bidder Should have Experience in Providing Service for server in Manipur

KVM Switch

48	KVM Switch	8-port PS/2 USB VGA KVM switch with 19" LCD, Daisy chain port and USB peripheral support
49	MS Windows server	Microsoft Windows server 2019 or latest
50	MS SQL server	Microsoft SQL server 2019 or latest