

**HIMACHAL PRADESH
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DEVELOPMENT
CORPORATION LIMITED**



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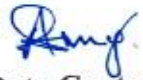
CORRIGENDUM-I

(Tender No. HPSEDC/DDTG-IT/2K26-2956)

HPSEDC published e-tender for Procurement of IT Hardware for Department of Digital Technologies & Governance.

Based on the queries received from the prospective bidders, the responses along with clarifications/ revise clauses are at **Annexure A**.

Last date for bid submission is extended from 19/09/2026 to 31/10/2026 till 02:30 PM and same will be opened on 02/11/2026 at 02:30 PM.


**Data Controller,
HPSEDC**

S.No	Page No. of RFP	Section of the RFP	Point of clarification required as per RFP	Requested Clarification/ Suggested changes by the bidder	Clarification/ Revised Clause may be read as
1		Item No. 3: Enterprise Storage System-1 Petabyte	Data Availability: Offered storage shall be an Enterprise Storage Array and shall provide 99.999% or higher data availability. OEM documentation/certification for 99.999% availability shall be submitted along with the bid.	Offered storage shall be an Enterprise Storage Array and shall provide more than 99.9999% or higher data availability. OEM documentation/certification shall be submitted along with the bid.	No change. The offered storage shall provide 99.999% or higher data availability. OEM-published documentation confirming the offered availability shall be submitted with the bid.
2		Item No. 3: Enterprise Storage System-1 Petabyte	Performance: Offered Storage System should provide a minimum of 200,000 IOPS with 70:30 Read/Write ratio and 8 KB block size along with data efficiency features enabled from Day-1. Bidder shall provide OEM sizing tool output along with the tender document.	Offered Storage System should provide a minimum of 150,000 IOPS with 80:20 Read/Write ratio and 8 KB block size along with data efficiency features enabled from Day-1. Bidder shall provide OEM sizing tool output along with the tender document.	No change. The offered storage shall provide a minimum of 200,000 IOPS at a 70:30 read/write ratio and 8 KB block size, with data-efficiency features enabled. OEM sizing-tool output shall be submitted with the bid.
3		Item No. 3: Enterprise Storage System-1 Petabyte	Cache Memory: Offered Storage Array should have at least 192 GB data cache and shall be scalable up to at least 512 GB data cache. It shall support cache de-staging to disks on power down or internal battery backup of cache for at least 72 hours. Data in cache shall not be lost in case of power failure.	Offered Storage array should have at-least 512GB memory across both controllers from day1. After a complete power failure, the host acknowledged writes must be restored without the need for battery backed mirrored write caches.	No change. The storage shall provide at least 192 GB data cache, scalable to at least 512 GB, and shall protect cached data through cache de-staging on power-down or internal battery backup for at least 72 hours. No data in cache shall be lost on power failure.
4		Item No. 3: Enterprise Storage System-1 Petabyte	Disk Support: Storage should support SSD, SAS and NL-SAS/MDL-SAS disks with scalability up to a minimum of 500 disk drives.	Storage should be All-NVMe disks with scalability up to a minimum of 72 NVMe drives.	No change. The storage shall support SSD, SAS and NL-SAS/MDL-SAS disks with scalability up to a minimum of 500 disk drives. NVMe media may be offered in addition, provided all mandatory requirements are met.
5		Item No. 3: Enterprise Storage System-1 Petabyte	Storage Capacity: The storage must be configured with a minimum of 320 TB usable capacity in RAID-6. Disk configuration shall comprise approximately 30% Flash/SSD, 30% SAS and 40% NL-SAS capacity. SSD, SAS and NL-SAS disks shall be configured in RAID-6. Vendor shall use OEM best practices while sizing the array and OEM documentation shall be submitted to validate the sizing.	The storage must be configured with a minimum of 320 TB usable capacity in RAID-6. Disk configuration shall 100% All NVMe, Vendor shall use OEM best practices while sizing the array and OEM documentation shall be submitted to validate the sizing.	Clause shall be read as: The storage shall be configured with a minimum of 1 PB (1,000 TB, decimal) usable capacity in RAID-6. Disk configuration shall remain approximately 30% Flash/SSD, 30% SAS and 40% NL-SAS by usable capacity. SSD, SAS and NL-SAS disks shall be configured in RAID-6. The bidder shall follow OEM best practices and submit OEM sizing documentation. Usable capacity shall exclude hot spares, parity, metadata/system overhead and data-reduction benefits.

S.No	Page No. of RFP	Section of the RFP	Point of clarification required as per RFP	Requested Clarification/ Suggested changes by the bidder	Clarification/ Revised Clause may be read as
6		Item No. 3: Enterprise Storage System-1 Petabyte	Front-End Connectivity: Offered Storage Array shall have a minimum of 16 x 32 Gbps Fibre Channel ports and 8 x 10/25 Gbps iSCSI ports. All ports shall have the capability to operate at line speed.	Offered Storage Array shall have a minimum of 8x32 Gbps Fibre Channel ports and 4 x10/25 Gbps iSCSI ports and 4x 10/25Gbps IP Replication Ports. All ports shall have the capability to operate at line speed.	The offered storage shall have a minimum of 16 x 32 Gbps Fibre Channel ports and 8 x 10/25 Gbps iSCSI ports, and all ports shall be capable of operating at line speed.
7		Item No. 3: Enterprise Storage System-1 Petabyte	Back End Connectivity: Offered Storage should have a minimum of 384 Gbps SAS/FC backend connectivity scalable up to atleast 576 Gb s.	PCI 4.0 slot of the Fiber channel card shall have at-least 16 lanes so that each offered port can work at line speed even after upgrading to 64Gbps.Each offered controller shall have minimum of 48 PCI 4.0 lanes for NVMe disk connectivity.	No change, except typographical correction. The clause shall read: The offered storage shall have a minimum of 384 Gbps SAS/FC backend connectivity, scalable to at least 576 Gbps.
8		Item No. 3: Enterprise Storage System-1 Petabyte	High Availability: Offered Storage Array shall be configured with no single point of failure including controller cards, cache memory, fans, power supplies, etc. The storage shall support a minimum of 2,000 LUNs/ initiators.	Offered Storage Array shall be configured with no single point of failure including controller cards, controller boot drive, cache memory, fans, power supplies, etc. The storage shall support a minimum of 2,000 LUNs/ initiators. Offered Storage shall of provided with Secure encrypted drives. each controller shall have redundant secure boot drives.	No change. The offered storage array shall be configured with no single point of failure, including controller cards, cache memory, fans and power supplies, and shall support a minimum of 2,000 LUNs/initiators.
9		Item No. 3: Enterprise Storage System-1 Petabyte	Snapshot capability: Storage Array shall support controller-based snapshots with a minimum of 254 snapshot copies per volume.	Storage Array shall support controller-based snapshots with a minimum of 1024 snapshot copies per volume.	No change. The storage array shall support controller-based snapshots with a minimum of 254 snapshot copies per volume. A higher number may be offered.
10		Item No. 3: Enterprise Storage System-1 Petabyte	Replication: Storage shall support synchronous and asynchronous replication for block data. The solution shall support three-site replication either natively or through additional hardware. DC-to-DR asynchronous replication and DC-to-Local HA/Near-DR synchronous replication shall be supported.	Storage shall support synchronous and asynchronous replication for block data. The solution shall support three-site replication either natively. DC-to-DR asynchronous replication for Zero Data loss and DC-to-Local HA/Near-DR synchronous replication shall be supported. Storage controller based Sync Replication for Zero data loss and Async Replication for Near Zero (less than 1 minute) shall be provided.	No change. The storage shall support synchronous and asynchronous block replication and three-site replication, natively or through additional hardware/software. All required licenses and components for the offered capacity and topology shall be included.

Annexure- A					
S.No	Page No. of RFP	Section of the RFP	Point of clarification required as per RFP	Requested Clarification/ Suggested changes by the bidder	Clarification/ Revised Clause may be read as
11		Item No. 3: Enterprise Storage System-1 Petabyte	Software features: Storage subsystem shall be supplied with Thin Provisioning, Snapshot, Clone, Performance Monitoring and Quality of Service (QoS) features for IOPS, throughput and latency for the maximum supported capacity of the array	Storage subsystem shall be supplied with Thin Provisioning, Snapshot, Clone, Performance Monitoring and Quality of Service (QoS) features for IOPS, throughput / latency for the maximum supported capacity of the array	No change. The storage shall include Thin Provisioning, Snapshot, Clone, Performance Monitoring and QoS controls for IOPS, throughput and latency for the maximum supported capacity of the offered array.
12		Item No. 3: Enterprise Storage System-1 Petabyte	Additional Clauses to be added	The storage, GPU server and Compute server should be from same OEM for better integration and after sales support	The request is not accepted. The storage, GPU server and compute server are not required to be from the same OEM. Each item shall independently meet the RFP specifications and interoperability requirements.
13		Item No. 1: GPU Based AI – Server/Item No. 2: Computer server (Application Blade/Rack server)	Industry Standard Compliance: Additional Clauses to be added	ACPI 6.1 Compliant; PCIe 4.0 Compliant; WOL Support; Microsoft® Logo certifications; Support for Microsoft Secure Code; PXE Support; Energy Star; SMBIOS 3.1; UEFI 2.7; Redfish API; IPMI 2.0 Secure Digital 2.0 Advanced Encryption Standard (AES) Triple Data Encryption Standard (3DES) SNMP v3 TLS 1.2 DMTF Systems Management Architecture for Server Hardware Command Line Protocol (SMASH CLP) DMTF Redfish support for SecureBoot Key Management One Button Secure Erase Active Directory v1.0 ASHRAE A3/A4 UEFI Class 3 (Unified Extensible Firmware Interface Forum)	No change. The proposed additional clause is not accepted. The offered equipment shall meet the published RFP specifications. Any additional OEM-supported feature may be offered without extra cost, but shall not become a mandatory eligibility or evaluation condition.
14		Item No. 1: GPU Based AI – Server/Item No. 2: Computer server (Application Blade/Rack server)	System Security: Additional Clauses to be added	UEFI Secure Boot and Secure Start support Immutable Silicon Root of Trust FIPS 140-3 validation Common Criteria certification Configurable for PCI DSS compliance Advanced Encryption Standard (AES) and Triple Data Encryption Standard (3DES) on browser Support for Commercial National Security Algorithms (CNSA) Tamper-free updates - components digitally signed and verified Secure Recovery - recover critical firmware to known good state on detection of compromised firmware Ability to rollback firmware Secure erase of NAND/User data TPM (Trusted Platform Module) 2.0 Bezel Locking Kit option Chassis Intrusion detection option	No change. The proposed additional clause is not accepted. The offered equipment shall meet the published RFP specifications. Any additional OEM-supported feature may be offered without extra cost, but shall not become a mandatory eligibility or evaluation condition.
15		Item No. 1: GPU Based AI – Server/Item No. 2: Computer server (Application Blade/Rack server)	Firmware Security: Additional Clauses to be added	1. For firmware security, system should support remote management chip creating a fingerprint in the silicon, preventing servers from booting up unless the firmware matches the fingerprint. This feature should be immutable 2. Should maintain repository for firmware and drivers recipes to aid rollback or patching of compromised firmware. Should also store Factory Recovery recipe preloaded to rollback to factory tested secured firmware	No change. The proposed additional clause is not accepted. The offered equipment shall meet the published RFP specifications. Any additional OEM-supported feature may be offered without extra cost, but shall not become a mandatory eligibility or evaluation condition.

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16		Item No. 1: GPU Based AI – Server/Item No. 2: Computer server (Application Blade/Rack server)	Embedded Remote Management and Firmware Security: Additional Clauses to be added	<p>1. System remote management should support browser based graphical remote console along with Virtual Power button, remote boot using USB/CD/DVD Drive. It should be capable of offering upgrade of software and patches from a remote client using Media/image/folder; It should support server power capping and historical reporting and should have support for multifactor authentication</p> <p>2. Server should have dedicated 1Gbps remote management port</p> <p>3. Server should have storage space earmarked to be used as a repository for firmware, drivers and software components. The components can be organized in to install sets and can be used to rollback/patch faulty firmware</p> <p>4. Server should support agentless management using the out-of-band remote management port</p> <p>5. The server should support monitoring and recording changes in the server hardware and system configuration. It assists in diagnosing problems and delivering rapid resolution when system failures occur</p> <p>6. Two factor Authentication</p> <p>7. Local or Directory-based user accounts with Role based access control</p> <p>8. Remote console sharing upto 6 users simultaneously during pre-OS and OS runtime operation, Console replay - Console Replay captures and stores for replay the console video during a server's last major fault or boot sequence. Microsoft Terminal Services Integration, 128 bit SSL encryption and Secure Shell Version 2 support.Should provide support for AES and 3DES on browser.Should provide remote firmware update functionality.Should provide support for Java free graphical remote console.</p> <p>9. Should support managing multiple servers as one via</p> <p>Group Power Control Group Power Capping Group Firmware Update Group Configuration Group Virtual Media and Encrypted Virtual Media</p>	No change. The proposed additional clause is not accepted. The offered equipment shall meet the published RFP specifications. Any additional OEM-supported feature may be offered without extra cost, but shall not become a mandatory eligibility or evaluation condition.
17		Item No. 1: GPU Based AI – Server/Item No. 2: Computer server (Application Blade/Rack server)	Server Management:Additional Clauses to be added	Software should support dashboard view to quickly scan the managed resources to assess the overall health of the data center. It should provide an at-a-glance visual health summary of the resources user is authorized to view.	No change. The proposed additional clause is not accepted. The offered equipment shall meet the published RFP specifications. Any additional OEM-supported feature may be offered without extra cost, but shall not become a mandatory eligibility or evaluation condition.
18		Item No. 1: GPU Based AI – Server/Item No. 2: Computer server (Application Blade/Rack server)	Server Management:Additional Clauses to be added	<p>The Dashboard minimum should display a health summary of the following:</p> <ul style="list-style-type: none"> • Server Profiles • Server Hardware • Appliance alerts 	No change. The proposed additional clause is not accepted. The offered equipment shall meet the published RFP specifications. Any additional OEM-supported feature may be offered without extra cost, but shall not become a mandatory eligibility or evaluation condition.
19		Item No. 1: GPU Based AI – Server/Item No. 2: Computer server (Application Blade/Rack server)	Server Management:Additional Clauses to be added	The Systems Management software should provide Role-based access control	No change. The proposed additional clause is not accepted. The offered equipment shall meet the published RFP specifications. Any additional OEM-supported feature may be offered without extra cost, but shall not become a mandatory eligibility or evaluation condition.
20		Item No. 1: GPU Based AI – Server/Item No. 2: Computer server (Application Blade/Rack server)	Server Management:Additional Clauses to be added	Zero Touch Provisioning (ZTP) using SSDP with remote access	No change. The proposed additional clause is not accepted. The offered equipment shall meet the published RFP specifications. Any additional OEM-supported feature may be offered without extra cost, but shall not become a mandatory eligibility or evaluation condition.

Annexure- A					
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21		Item No. 1: GPU Based AI – Server/Item No. 2: Computer server (Application Blade/Rack server)	Server Management:Additional Clauses to be added	Management software should support integration with popular virtualization platform management software like Vmware vCenter & vRealize Operations, and Microsoft System Center & Admin Center	No change. The proposed additional clause is not accepted. The offered equipment shall meet the published RFP specifications. Any additional OEM-supported feature may be offered without extra cost, but shall not become a mandatory eligibility or evaluation condition.
22		Item No. 1: GPU Based AI – Server/Item No. 2: Computer server (Application Blade/Rack server)	Server Management:Additional Clauses to be added	Should help provide proactive notification of actual or impending component failure alerts on critical components like CPU, Memory and HDD.	No change. The proposed additional clause is not accepted. The offered equipment shall meet the published RFP specifications. Any additional OEM-supported feature may be offered without extra cost, but shall not become a mandatory eligibility or evaluation condition.
23		Item No. 1: GPU Based AI – Server/Item No. 2: Computer server (Application Blade/Rack server)	Server Management:Additional Clauses to be added	Should provide an online portal that can be accessible from anywhere. The portal should provide one stop, online access to the product, support information and provide information to track warranties, support contracts and status. The Portal should also provide a personalised dashboard to monitor device health, hardware events, contract and warranty status. Should provide a visual status of individual devices and device groups. The Portal should be available on premise (at our location - console based) or off premise (in the cloud).	No change. The proposed additional clause is not accepted. The offered equipment shall meet the published RFP specifications. Any additional OEM-supported feature may be offered without extra cost, but shall not become a mandatory eligibility or evaluation condition.
24		Item No. 1: GPU Based AI – Server/Item No. 2: Computer server (Application Blade/Rack server)	Server Management:Additional Clauses to be added	Should help to proactively identify out-of-date BIOS, drivers, and Server Management agents and enable the remote update of system software/firmware components.	No change. The proposed additional clause is not accepted. The offered equipment shall meet the published RFP specifications. Any additional OEM-supported feature may be offered without extra cost, but shall not become a mandatory eligibility or evaluation condition.
25		Item No. 1: GPU Based AI – Server/Item No. 2: Computer server (Application Blade/Rack server)	Server Management:Additional Clauses to be added	Should have dashboard for firmware baselines while performing minimum required firmware checks and highlighting out-of-compliance devices for updates with the selected firmware baseline	No change. The proposed additional clause is not accepted. The offered equipment shall meet the published RFP specifications. Any additional OEM-supported feature may be offered without extra cost, but shall not become a mandatory eligibility or evaluation condition.
26		Item No. 1: GPU Based AI – Server/Item No. 2: Computer server (Application Blade/Rack server)	Server Management:Additional Clauses to be added	The Server Management Software should be of the same brand as of the server supplier.	The request is not accepted. Server-management software need not be the same brand as the server, provided the offered solution is OEM-supported, compatible and meets all published functional, licensing and support requirements.
27		Item No. 1: GPU Based AI – Server/Item No. 2: Computer server (Application Blade/Rack server)	OEM Brand Eligibility: Additional Clauses to be added	The OEM should have min 10 installations in top 500 supercomputers globally(https://www.top500.org/)	The proposed additional OEM-specific eligibility condition is not accepted. Eligibility shall be assessed only against the published RFP conditions and final technical specifications.

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28		Item No. 1: GPU Based AI – Server/Item No. 2: Computer server (Application Blade/Rack server)	OEM Brand Eligibility: Additional Clauses to be added	The OEM should have min 5 entries in each of the published India Supercomputer list for last 5 Years (https://topsc.cdacb.in/).	The proposed additional OEM-specific eligibility condition is not accepted. Eligibility shall be assessed only against the published RFP conditions and final technical specifications.
29		Item No. 1: GPU Based AI – Server/Item No. 2: Computer server (Application Blade/Rack server)	OEM Brand Eligibility: Additional Clauses to be added	The OEM should be ISO 9001, ISO 14001, ISO 20000, ISO 27001, BIS Certified	The proposed additional OEM-specific eligibility condition is not accepted. Eligibility shall be assessed only against the published RFP conditions and final technical specifications.
30		Item No. 1: GPU Based AI – Server/Item No. 2: Computer server (Application Blade/Rack server)	OEM Brand Eligibility: Additional Clauses to be added	The OEM brand should be in existence for last more than 20 years to ensure better quality and after sales support	The proposed additional OEM-specific eligibility condition is not accepted. Eligibility shall be assessed only against the published RFP conditions and final technical specifications.
31		Item No. 1: GPU Based AI – Server/Item No. 2: Computer server (Application Blade/Rack server)	OEM Brand Eligibility: Additional Clauses to be added	The OEM should be present in top 3 brands in IDC report	The proposed additional OEM-specific eligibility condition is not accepted. Eligibility shall be assessed only against the published RFP conditions and final technical specifications.
32		Item No. 3: Enterprise Storage System-1 Petabyte		Please clarify capacity requiremnet is 1PB or 320TB as per clause No7 of the storage specifiications	Clause shall be read as: The storage shall be configured with a minimum of 1 PB (1,000 TB, decimal) usable capacity in RAID-6. Disk configuration shall remain approximately 30% Flash/SSD, 30% SAS and 40% NL-SAS by usable capacity. SSD, SAS and NL-SAS disks shall be configured in RAID-6. The bidder shall follow OEM best practices and submit OEM sizing documentation. Usable capacity shall exclude hot spares, parity, metadata/system overhead and data-reduction benefits.

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33		Item No. 3: Enterprise Storage System-1 Petabyte	Data Availability: Offered storage shall be an Enterprise Storage Array and shall provide 99.999% or higher data availability. OEM documentation/certification for 99.999% availability shall be submitted along with the bid.	Offered storage shall be an Enterprise Storage Array and shall provide more than 99.9999% or higher data availability. OEM documentation/certification shall be submitted along with the bid.	No change. The offered storage shall provide 99.999% or higher data availability. OEM-published documentation confirming the offered availability shall be submitted with the bid.
34		Item No. 3: Enterprise Storage System-1 Petabyte	Performance: Offered Storage System should provide a minimum of 200,000 IOPS with 70:30 Read/Write ratio and 8 KB block size along with data efficiency features enabled from Day-I. Bidder shall provide OEM sizing tool output along with the tender document.	Offered Storage System should provide a minimum of 150,000 IOPS with 80:20 Read/Write ratio and 8 KB block size along with data efficiency features enabled from Day-I. Bidder shall provide OEM sizing tool output along with the tender document.	No change. The offered storage shall provide a minimum of 200,000 IOPS at a 70:30 read/write ratio and 8 KB block size, with data-efficiency features enabled. OEM sizing-tool output shall be submitted with the bid.
35		Item No. 3: Enterprise Storage System-1 Petabyte	Cache Memory: Offered Storage Array should have at least 192 GB data cache and shall be scalable up to at least 512 GB data cache. It shall support cache de-staging to disks on power down or internal battery backup of cache for at least 72 hours. Data in cache shall not be lost in case of power failure.	Offered Storage array should have at-least 512GB memory across both controllers from day1. After a complete power failure, the host acknowledged writes must be restored without the need for battery backed mirrored write caches.	No change. The storage shall provide at least 192 GB data cache, scalable to at least 512 GB, and shall protect cached data through cache de-staging on power-down or internal battery backup for at least 72 hours. No data in cache shall be lost on power failure.
36		Item No. 3: Enterprise Storage System-1 Petabyte	Disk Support: Storage should support SSD, SAS and NL-SAS/MDL-SAS disks with scalability up to a minimum of 500 disk drives.	Storage should be All-NVMe disks with scalability up to a minimum of 72 NVMe drives.	No change. The storage shall support SSD, SAS and NL-SAS/MDL-SAS disks with scalability up to a minimum of 500 disk drives. NVMe media may be offered in addition, provided all mandatory requirements are met.
37		Item No. 3: Enterprise Storage System-1 Petabyte	Storage Capacity: The storage must be configured with a minimum of 320 TB usable capacity in RAID-6. Disk configuration shall comprise approximately 30% Flash/SSD, 30% SAS and 40% NL-SAS capacity. SSD, SAS and NL-SAS disks shall be configured in RAID-6. Vendor shall use OEM best practices while sizing the array and OEM documentation shall be submitted to validate the sizing.	The storage must be configured with a minimum of 320 TB usable capacity in RAID-6. Disk configuration shall 100% All NVMe, Vendor shall use OEM best practices while sizing the array and OEM documentation shall be submitted to validate the sizing.	Clause shall be read as: The storage shall be configured with a minimum of 1 PB (1,000 TB, decimal) usable capacity in RAID-6. Disk configuration shall remain approximately 30% Flash/SSD, 30% SAS and 40% NL-SAS by usable capacity. SSD, SAS and NL-SAS disks shall be configured in RAID-6. The bidder shall follow OEM best practices and submit OEM sizing documentation. Usable capacity shall exclude hot spares, parity, metadata/system overhead and data-reduction benefits.

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38		Item No. 3: Enterprise Storage System-1 Petabyte	Front-End Connectivity: Offered Storage Array shall have a minimum of 16 x 32 Gbps Fibre Channel ports and 8 x 10/25 Gbps iSCSI ports. All ports shall have the capability to operate at line speed.	Offered Storage Array shall have a minimum of 8x32 Gbps Fibre Channel ports and 4 x10/25 Gbps iSCSI ports and 4x 10/25Gbps IP Replication Ports. All ports shall have the capability to operate at line speed.	No change. The offered storage shall have a minimum of 16 x 32 Gbps Fibre Channel ports and 8 x 10/25 Gbps iSCSI ports, and all ports shall be capable of operating at line speed.
39		Item No. 3: Enterprise Storage System-1 Petabyte	Back End Connectivity: Offered Storage should have a minimum of 384 Gbps SAS/FC backend connectivity scalable up to atleast 576 Gb s.	PCI 4.0 slot of the Fiber channel card shall have at-least 16 lanes so that each offered port can work at line speed even after upgrading to 64Gbps.Each offered controller shall have minimum of 48 PCI 4.0 lanes for NVMe disk connectivity.	No change, except typographical correction. The clause shall read: The offered storage shall have a minimum of 384 Gbps SAS/FC backend connectivity, scalable to at least 576 Gbps.
40		Item No. 3: Enterprise Storage System-1 Petabyte	High Availability: Offered Storage Array shall be configured with no single point of failure including controller cards, cache memory, fans, power supplies, etc. The storage shall support a minimum of 2,000 LUNs/ initiators.	Offered Storage Array shall be configured with no single point of failure including controller cards, controller boot drive, cache memory, fans, power supplies, etc. The storage shall support a minimum of 2,000 LUNs/ initiators. Offered Storage shall of provided with Secure encrypted drives. each controller shall have redundant secure boot drives.	No change. The offered storage array shall be configured with no single point of failure, including controller cards, cache memory, fans and power supplies, and shall support a minimum of 2,000 LUNs/initiators.
41		Item No. 3: Enterprise Storage System-1 Petabyte	Snapshot capability: Storage Array shall support controller-based snapshots with a minimum of 254 snapshot copies per volume.	Storage Array shall support controller-based snapshots with a minimum of 1024 snapshot copies per volume.	No change. The storage array shall support controller-based snapshots with a minimum of 254 snapshot copies per volume. A higher number may be offered.
42		Item No. 3: Enterprise Storage System-1 Petabyte	Replication: Storage shall support synchronous and asynchronous replication for block data. The solution shall support three-site replication either natively or through additional hardware. DC-to-DR asynchronous replication and DC-to-Local HA/Near-DR synchronous replication shall be	Storage shall support synchronous and asynchronous replication for block data. The solution shall support three-site replication either natively. DC-to-DR asynchronous replication for Zero Data loss and DC-to-Local HA/Near-DR synchronous replication shall be supported. Storage controller based Sync Replication for Zero data loss and Async Replication for Near Zero (less than 1 minute) shall be provided.	No change. The storage shall support synchronous and asynchronous block replication and three-site replication, natively or through additional hardware/software. All required licenses and components for the offered capacity and topology shall be included.
43		Item No. 3: Enterprise Storage System-1 Petabyte	Software features: Storage subsystem shall be supplied with Thin Provisioning, Snapshot, Clone, Performance Monitoring and Quality of Service (QoS) features for IOPS, throughput and latency for the	Storage subsystem shall be supplied with Thin Provisioning, Snapshot, Clone, Performance Monitoring and Quality of Service (QoS) features for IOPS, throughput / latency for the maximum supported capacity of the array	No change. The storage shall include Thin Provisioning, Snapshot, Clone, Performance Monitoring and QoS controls for IOPS, throughput and latency for the maximum supported capacity of the offered array.
44		Item No. 3: Enterprise Storage System-1 Petabyte	Additional Clauses to be added	The storage, GPU server and Compute server should be from same OEM for better integration and after sales support	The request is not accepted. The storage, GPU server and compute server are not required to be from the same OEM. Each item shall independently meet the RFP specifications and interoperability requirements.

S.No	Page No. of RFP	Section of the RFP	Point of clarification required as per RFP	Requested Clarification/ Suggested changes by the bidder	Clarification/ Revised Clause may be read as
45		Item No. 1: GPU Based AI – Server/Item No. 2: Computer server (Application Blade/Rack server)	Industry Standard Compliance: Additional Clauses to be added	ACPI 6.1 Compliant PCIe 4.0 Compliant WOL Support Microsoft® Logo certifications Support for Microsoft Secure Code PXE Support Energy Star SMBIOS 3.1 UEFI 2.7 Redfish API IPMI 2.0 Secure Digital 2.0 Advanced Encryption Standard (AES) Triple Data Encryption Standard (3DES) SNMP v3 TLS 1.2 DMTF Systems Management Architecture for Server Hardware Command Line Protocol (SMASH CLP) DMTF Redfish support for SecureBoot Key Management One Button Secure Erase Active Directory v1.0 ASHRAE A3/A4 UEFI Class 3 (Unified Extensible Firmware Interface Forum)	No change. The proposed additional clause is not accepted. The offered equipment shall meet the published RFP specifications. Any additional OEM-supported feature may be offered without extra cost, but shall not become a mandatory eligibility or evaluation condition.
46		Item No. 1: GPU Based AI – Server/Item No. 2: Computer server (Application Blade/Rack server)	System Security: Additional Clauses to be added	UEFI Secure Boot and Secure Start support Immutable Silicon Root of Trust FIPS 140-3 validation Common Criteria certification Configurable for PCI DSS compliance Advanced Encryption Standard (AES) and Triple Data Encryption Standard (3DES) on browser Support for Commercial National Security Algorithms (CNSA) Tamper-free updates - components digitally signed and verified Secure Recovery - recover critical firmware to known good state on detection of compromised firmware Ability to rollback firmware Secure erase of NAND/User data TPM (Trusted Platform Module) 2.0 Bezel Locking Kit option Chassis Intrusion detection option	No change. The proposed additional clause is not accepted. The offered equipment shall meet the published RFP specifications. Any additional OEM-supported feature may be offered without extra cost, but shall not become a mandatory eligibility or evaluation condition.
47		Item No. 1: GPU Based AI – Server/Item No. 2: Computer server (Application Blade/Rack server)	Firmware Security: Additional Clauses to be added	1. For firmware security, system should support remote management chip creating a fingerprint in the silicon, preventing servers from booting up unless the firmware matches the fingerprint. This feature should be immutable 2. Should maintain repository for firmware and drivers recipes to aid rollback or patching of compromised firmware. Should also store Factory Recovery recipe preloaded to rollback to factory tested secured firmware	No change. The proposed additional clause is not accepted. The offered equipment shall meet the published RFP specifications. Any additional OEM-supported feature may be offered without extra cost, but shall not become a mandatory eligibility or evaluation condition.

S.No	Page No. of RFP	Section of the RFP	Point of clarification required as per RFP	Requested Clarification/ Suggested changes by the bidder	Clarification/ Revised Clause may be read as
48		Item No. 1: GPU Based AI – Server/Item No. 2: Computer server (Application Blade/Rack server)	Embedded Remote Management and Firmware Security: Additional Clauses to be added	1. System remote management should support browser based graphical remote console along with Virtual Power button, remote boot using USB/CD/DVD Drive. It should be capable of offering upgrade of software and patches from a remote client using Media/image/folder; It should support server power capping and historical reporting and should have support for multifactor authentication; 2. Server should have dedicated 1Gbps remote management port; 3. Server should have storage space earmarked to be used as a repository for firmware, drivers and software components. The components can be organized in to install sets and can be used to rollback/patch faulty firmware; 4. Server should support agentless management using the out-of-band remote management port; 5. The server should support monitoring and recording changes in the server hardware and system configuration. It assists in diagnosing problems and delivering rapid resolution when system failures occur; 6. Two factor Authentication; 7. Local or Directory-based user accounts with Role based access control; 8. Remote console sharing upto 6 users simultaneously during pre-OS and OS runtime operation, Console replay - Console Replay captures and stores for replay the console video during a server's last major fault or boot sequence. Microsoft Terminal Services Integration, 128 bit SSL encryption and Secure Shell Version 2 support.Should provide support for AES and 3DES on browser.Should provide remote firmware update functionality.Should provide support for Java free graphical remote console.; 9. Should support managing multiple servers as one via Group Power Control, Group Power Capping, Group Firmware Update, Group Configuration, Group Virtual Media and Encrypted Virtual Media, Group License Activation; 10. Should support RESTful API integration; 11. System should support embedded remote support to transmit hardware events directly to OEM or an authorized partner for automated phone home support; 12. Server should have security dashboard : displaying the status of important security features, the Overall Security Status for the system, and the current; configuration for the Security State and Server Configuration Lock features.; 13. One-button Secure Erase designed to decommission/repurpose servers; 14. NVMe wear level display; 15. Workload Performance Advisor - Provides server tuning recommendations to improve server performance	No change. The proposed additional clause is not accepted. The offered equipment shall meet the published RFP specifications. Any additional OEM-supported feature may be offered without extra cost, but shall not become a mandatory eligibility or evaluation condition.
49		Item No. 1: GPU Based AI – Server/Item No. 2: Computer server (Application Blade/Rack server)	Server Management:Additional Clauses to be added	Software should support dashboard view to quickly scan the managed resources to assess the overall health of the data center. It should provide an at-a-glance visual health summary of the resources user is authorized to view.	No change. The proposed additional clause is not accepted. The offered equipment shall meet the published RFP specifications. Any additional OEM-supported feature may be offered without extra cost, but shall not become a mandatory eligibility or evaluation condition.
50		Item No. 1: GPU Based AI – Server/Item No. 2: Computer server (Application Blade/Rack server)	Server Management:Additional Clauses to be added	The Dashboard minimum should display a health summary of the following: <ul style="list-style-type: none"> • Server Profiles • Server Hardware • Appliance alerts 	No change. The proposed additional clause is not accepted. The offered equipment shall meet the published RFP specifications. Any additional OEM-supported feature may be offered without extra cost, but shall not become a mandatory eligibility or evaluation condition.
51		Item No. 1: GPU Based AI – Server/Item No. 2: Computer server (Application Blade/Rack server)	Server Management:Additional Clauses to be added	The Systems Management software should provide Role-based access control	No change. The proposed additional clause is not accepted. The offered equipment shall meet the published RFP specifications. Any additional OEM-supported feature may be offered without extra cost, but shall not become a mandatory eligibility or evaluation condition.
52		Item No. 1: GPU Based AI – Server/Item No. 2: Computer server (Application Blade/Rack server)	Server Management:Additional Clauses to be added	Zero Touch Provisioning (ZTP) using SSDP with remote access	No change. The proposed additional clause is not accepted. The offered equipment shall meet the published RFP specifications. Any additional OEM-supported feature may be offered without extra cost, but shall not become a mandatory eligibility or evaluation condition.

S.No	Page No. of RFP	Section of the RFP	Point of clarification required as per RFP	Requested Clarification/ Suggested changes by the bidder	Clarification/ Revised Clause may be read as
53		Item No. 1: GPU Based AI – Server/Item No. 2: Computer server (Application Blade/Rack server)	Server Management:Additional Clauses to be added	Management software should support integration with popular virtualization platform management software like Vmware vCenter & vRealize Operations, and Microsoft System Center & Admin Center	No change. The proposed additional clause is not accepted. The offered equipment shall meet the published RFP specifications. Any additional OEM-supported feature may be offered without extra cost, but shall not become a mandatory eligibility or evaluation condition.
54		Item No. 1: GPU Based AI – Server/Item No. 2: Computer server (Application Blade/Rack server)	Server Management:Additional Clauses to be added	Should help provide proactive notification of actual or impending component failure alerts on critical components like CPU, Memory and HDD.	No change. The proposed additional clause is not accepted. The offered equipment shall meet the published RFP specifications. Any additional OEM-supported feature may be offered without extra cost, but shall not become a mandatory eligibility or evaluation condition.
55		Item No. 1: GPU Based AI – Server/Item No. 2: Computer server (Application Blade/Rack server)	Server Management:Additional Clauses to be added	Should provide an online portal that can be accessible from anywhere. The portal should provide one stop, online access to the product, support information and provide information to track warranties, support contracts and status. The Portal should also provide a personalised dashboard to monitor device health, hardware events, contract and warranty status. Should provide a visual status of individual devices and device groups. The Portal should be available on premise (at our location - console based) or off premise (in the cloud).	No change. The proposed additional clause is not accepted. The offered equipment shall meet the published RFP specifications. Any additional OEM-supported feature may be offered without extra cost, but shall not become a mandatory eligibility or evaluation condition.
56		Item No. 1: GPU Based AI – Server/Item No. 2: Computer server (Application Blade/Rack server)	Server Management:Additional Clauses to be added	Should help to proactively identify out-of-date BIOS, drivers, and Server Management agents and enable the remote update of system software/firmware components.	No change. The proposed additional clause is not accepted. The offered equipment shall meet the published RFP specifications. Any additional OEM-supported feature may be offered without extra cost, but shall not become a mandatory eligibility or evaluation condition.
57		Item No. 1: GPU Based AI – Server/Item No. 2: Computer server (Application Blade/Rack server)	Server Management:Additional Clauses to be added	Should have dashboard for firmware baselines while performing minimum required firmware checks and highlighting out-of-compliance devices for updates with the selected firmware baseline	No change. The proposed additional clause is not accepted. The offered equipment shall meet the published RFP specifications. Any additional OEM-supported feature may be offered without extra cost, but shall not become a mandatory eligibility or evaluation condition.
58		Item No. 1: GPU Based AI – Server/Item No. 2: Computer server (Application Blade/Rack server)	Server Management:Additional Clauses to be added	The Server Management Software should be of the same brand as of the server supplier.	The request is not accepted. Server-management software need not be the same brand as the server, provided the offered solution is OEM-supported, compatible and meets all published functional, licensing and support requirements.

S.No	Page No. of RFP	Section of the RFP	Point of clarification required as per RFP	Requested Clarification/ Suggested changes by the bidder	Clarification/ Revised Clause may be read as
59		Item No. 1: GPU Based AI – Server/Item No. 2: Computer server (Application Blade/Rack server)	OEM Brand Eligibility: Additional Clauses to be added	The OEM should have min 10 installations in top 500 supercomputers globally(https://www.top500.org/)	The proposed additional OEM-specific eligibility condition is not accepted. Eligibility shall be assessed only against the published RFP conditions and final technical specifications.
60		Item No. 1: GPU Based AI – Server/Item No. 2: Computer server (Application Blade/Rack server)	OEM Brand Eligibility: Additional Clauses to be added	The OEM should have min 5 entries in each of the published India Supercomputer list for last 5 Years (https://topsc.cdac.in/).	The proposed additional OEM-specific eligibility condition is not accepted. Eligibility shall be assessed only against the published RFP conditions and final technical specifications.
61		Item No. 1: GPU Based AI – Server/Item No. 2: Computer server (Application Blade/Rack server)	OEM Brand Eligibility: Additional Clauses to be added	The OEM should be ISO 9001, ISO 14001, ISO 20000, ISO 27001, BIS Certified	The proposed additional OEM-specific eligibility condition is not accepted. Eligibility shall be assessed only against the published RFP conditions and final technical specifications.
62		Item No. 1: GPU Based AI – Server/Item No. 2: Computer server (Application Blade/Rack server)	OEM Brand Eligibility: Additional Clauses to be added	The OEM brand should be in existence for last more than 20 years to ensure better quality and after sales support	The proposed additional OEM-specific eligibility condition is not accepted. Eligibility shall be assessed only against the published RFP conditions and final technical specifications.
63		Item No. 1: GPU Based AI – Server/Item No. 2: Computer server (Application Blade/Rack server)	OEM Brand Eligibility: Additional Clauses to be added	The OEM should be present in top 3 brands in IDC report	The proposed additional OEM-specific eligibility condition is not accepted. Eligibility shall be assessed only against the published RFP conditions and final technical specifications.
64	43	Section 5 – Technical Specifications	Expandable Storage: Additional NVMe or SSD expansion slot preferred.	Kindly remove this requirement.	Clarified: The word 'preferred' denotes a desirable feature and not a mandatory technical requirement. Non-availability of an additional internal NVMe/SSD expansion slot shall not by itself cause rejection, provided the offered system meets the mandatory storage capacity and all other specifications.

Annexure- A					
S.No	Page No. of RFP	Section of the RFP	Point of clarification required as per RFP	Requested Clarification/ Suggested changes by the bidder	Clarification/ Revised Clause may be read as
65	43	Section 5 – Technical Specifications	Minimum: 2 × USB-C (10 Gbps or higher), 2 × USB-A, and 1 × HDMI/Display output.	The requirement may be revised to 4 × USB Type-C ports and 1 × HDMI port.	Clause shall be read as: Minimum four USB ports, of which at least two shall be USB Type-C supporting 10 Gbps or higher; the remaining ports may be USB Type-A or USB Type-C. One HDMI or equivalent display-output port shall be provided. Where USB Type-A ports are not native, suitable adapters shall be included without extra cost.
66	—	Suggestion	Data Science Software	The following additional requirement may be included: The OEM should provide a comprehensive toolkit consisting of essential open-source software packages and utilities, including Python Base System, Podman, Ollama, Miniforge, curl, nvtop, btop, screen, Python environment management tools, uv, JupyterLab, Poetry, MLflow, Streamlit, Gradio, and OpenWebUI.	No change. No package-specific software list is being added. The existing AI software-stack requirement shall apply. Additional open-source utilities may be supplied without extra cost.
67	—	Suggestion	Software Toolkit for AI Setup	The following additional requirement may be included: The OEM should provide a software toolkit for the automated installation and configuration of essential open-source AI tools, along with seamless device discovery over the LAN. The toolkit should enable developers to quickly configure their AI environment for model fine-tuning and local inference while addressing common network connectivity challenges.	No change. No OEM-specific automated AI setup or LAN-discovery toolkit is being made mandatory. Any such toolkit may be offered without extra cost.
68	—	Suggestion	Global Presence & Market Leadership	The OEM should have a global presence and should be ranked among the Top 3 Workstation OEMs worldwide, as per the latest available IDC or Gartner market report.	The proposed additional OEM-specific eligibility condition is not accepted. Eligibility shall be assessed only against the published RFP conditions and final technical specifications.
69	36 & 41	Item No. 3: Enterprise Storage	Capacity of the Enterprise Storage	We request clarification on the storage capacity requirement. On Page 36, under the Price Schedule, the required storage capacity is mentioned as 1 Petabyte, whereas on Page 41, Clause 7, the storage capacity is mentioned as 320 TB. In this regard, kindly clarify the following: 1. Whether the required storage capacity is 1 PB or 320 TB. 2. Whether the specified capacity should be considered in Base-10 (Petabyte/Terabyte) or Base-2 (Pebibyte/Tebibyte).	Clause shall be read as: The storage shall be configured with a minimum of 1 PB (1,000 TB, decimal) usable capacity in RAID-6. Disk configuration shall remain approximately 30% Flash/SSD, 30% SAS and 40% NL-SAS by usable capacity. SSD, SAS and NL-SAS disks shall be configured in RAID-6. The bidder shall follow OEM best practices and submit OEM sizing documentation. Usable capacity shall exclude hot spares, parity, metadata/system overhead and data-reduction benefits.

S.No	Page No. of RFP	Section of the RFP	Point of clarification required as per RFP	Requested Clarification/ Suggested changes by the bidder	Clarification/ Revised Clause may be read as
70	30, 38, 36 and 43	Warranty Period	Clarification on the total warranty period required to be offered for the proposed products.	we request clarification on the total warranty period required for the proposed Enterprise Storage solution. On Page 30, Clause 4.2.1 (Comprehensive Warranty), and Page 38, the warranty period is mentioned as 36 months, whereas on Page 36 and Page 43, Clause 23 (Warranty and Support), it is mentioned as 5 years. In this regard, kindly clarify whether the required warranty period is 3 years or 5 years.	Clarified: The item-specific warranty period shall prevail. Item Nos. 1, 2 and 3 shall carry five years of comprehensive 24x7 onsite OEM warranty and support. Item No. 4 shall carry three years of comprehensive onsite OEM warranty. The general 36-month provision applies only where no longer item-specific warranty is stated.
71	41	Item No. 3: Enterprise Storage Clause 5 - Disk Support	Storage should support SSD, SAS and NL-SAS/MDL-SAS disks with scalability up to a minimum of 500 disk drives.	Storage solution should support NVMe SSD and NL-SAS/MDL-SAS disks with combined scalability up to a minimum of 500 disk drives.	Revised clause: The storage shall be configured with a minimum of 1 PB (1,000 TB, decimal) usable capacity in RAID-6. The disk configuration shall comprise approximately 30% Flash/SSD capacity, including NVMe SSDs, and approximately 70% high-capacity Enterprise SAS HDD capacity (NL-SAS/MDL-SAS or equivalent), by usable capacity. Flash/SSD and Enterprise SAS HDD disk groups shall be configured in RAID-6. The bidder shall follow OEM-recommended best practices for sizing the storage array and shall submit OEM documentation validating the proposed sizing and configuration. Usable capacity shall exclude hot spares, parity, metadata/system overhead and any capacity benefits arising from data reduction, compression or deduplication.
72	41	Item No. 3: Enterprise Storage Clause 7 - Storage Capacity	The storage must be configured with a minimum of 320 TB usable capacity in RAID-6. Disk configuration shall comprise approximately 30% Flash/SSD, 30% SAS and 40% NL-SAS capacity. SSD, SAS and NL-SAS disks shall be configured in RAID-6. Vendor shall use OEM best practices while sizing the array and OEM documentation shall be submitted to validate the sizing.	The storage must be configured with a minimum of 1 PiB usable capacity in RAID-6. Disk configuration shall comprise approximately one-third capacity on NVMe SSD and the remaining on NL-SAS drives. NVMe SSD and NL-SAS disks shall be configured in RAID-6 or better raid protection. Vendor shall use OEM best practices while sizing the solution and OEM documentation shall be submitted to validate the sizing.	Clause shall be read as: The storage shall be configured with a minimum of 1 PB (1,000 TB, decimal) usable capacity in RAID-6. Disk configuration shall remain approximately 30% Flash/SSD, 30% SAS and 40% NL-SAS by usable capacity. SSD, SAS and NL-SAS disks shall be configured in RAID-6. The bidder shall follow OEM best practices and submit OEM sizing documentation. Usable capacity shall exclude hot spares, parity, metadata/system overhead and data-reduction benefits.

S.No	Page No. of RFP	Section of the RFP	Point of clarification required as per RFP	Requested Clarification/ Suggested changes by the bidder	Clarification/ Revised Clause may be read as
73		Additional Suggestion for Enterprise Storage		The Storage solution should have capability to support pNFS and NFS over RDMA feature which allows GPU Direct capability desired by modern GPUs.	The request is not accepted as a mandatory condition. pNFS, NFS over RDMA, GPUDirect Storage or equivalent capabilities may be offered as value-added features without extra cost, provided all mandatory storage requirements are met.
74		Additional Suggestion for Enterprise Storage		The proposed storage solution shall be based on a Zero Trust security architecture with autonomous ransomware protection capable of real-time monitoring, early detection, and actionable intelligence against ransomware related cyber threats. The storage solution shall have capability for Encryption for data at rest and in transit, Role-based access control, Multi-factor authentication, Tamper-proof snapshots, regulatory-compliant data retention & sec17a-4f compliant WORM protection.	No change. The proposed additional storage-security clause is not accepted as a mandatory condition. The stated security features may be offered as value additions without extra cost.
75	4	Section-1	Delivery Timeline: Supplies to be completed within 6–8 weeks (8–10 weeks for snowbound/tribal areas).	Extend to 100–120 days from order date.	No change. Supplies shall be completed within 6 to 8 weeks, or 8 to 10 weeks for snowbound/tribal areas, as published. Any extension shall be considered only under the existing RFP provisions by the competent authority on justified grounds.

S.No	Page No. of RFP	Section of the RFP	Point of clarification required as per RFP	Requested Clarification/ Suggested changes by the bidder	Clarification/ Revised Clause may be read as
76	27	Section-3, Page 27	Penalty for Delay: ₹50/day per equipment, capped at 10% of order value.	Revise to ₹15/day per equipment, cap unchanged.	No change. The liquidated-damages provision shall remain as published.
77	10	Section-2, Page 10	Regional Support Base: Mandatory existing support base in region.	Allow bidders to establish support infrastructure post-award within agreed timeframe.	No change. The requirement for an existing regional support base shall remain as published.
78	25	Section-3, Page 25	Payment Terms: 85% after delivery, 15% after installation & performance guarantee.	95% on delivery, 5% after installation.	No change. Payment shall remain 85% after complete delivery against acknowledged delivery challans and 15% after successful installation and commissioning, subject to the published conditions.
79	38	Section-5, Page 38	Processor Definition: “Latest generation” processors.	Define as 6th Gen Intel Xeon / 5th Gen AMD EPYC or higher.	Clarified: 'Latest generation' means the current production and OEM-supported server-processor generation offered in India on the bid-submission date. No specific Intel or AMD series is prescribed. The requirement of two server-grade x86 processors with a minimum of 64 physical cores each and all other published specifications remain unchanged.
80	39	Section-5, Page 39	Server Specifications: Latest generation processors, 2.4 GHz minimum.	Specify 6th Gen Intel / 5th Gen AMD with ≥ 128 cores per socket.	No change. The server shall have two Intel or AMD latest-generation processors, each with at least 128 physical cores and a minimum frequency of 2.4 GHz, together with all other published specifications. No particular processor series is mandated.

S.No	Page No. of RFP	Section of the RFP	Point of clarification required as per RFP	Requested Clarification/ Suggested changes by the bidder	Clarification/ Revised Clause may be read as
81	40	Section-5, Page 40	OS & Virtualization: Latest certified versions of OS/hypervisors.	Certified versions (not restricted to latest).	Clarified: 'Latest certified versions' means the latest version of each specified operating system or hypervisor that is both currently supported by its publisher and certified for the offered server at the date of delivery. A newly released but not yet OEM-certified version shall not be mandatory. All listed platform-support requirements remain unchanged.
82	41	Section-5, Page 41	Storage Front-End 16 FC ports + 8 iSCSI ports.	Minimum 4 FC + 4 iSCSI ports.	No change. The offered storage shall have a minimum of 16 x 32 Gbps Fibre Channel ports and 8 x 10/25 Gbps iSCSI ports, and all ports shall be capable of operating at line speed.
83	41	Section-5, Page 41	Storage Back End 384 Gbps backend, scalable to 576 Gbps.	4 × 12 Gb/s SAS Wide Ports or equivalent.	No change, except typographical correction. The clause shall read: The offered storage shall have a minimum of 384 Gbps SAS/FC backend connectivity, scalable to at least 576 Gbps.
84	42	Section-5, Page 42	High Availability: No single point of failure; support 2,000 LUNs.	Include scalable logical storage objects as supported by architecture.	No change. The offered storage array shall be configured with no single point of failure, including controller cards, cache memory, fans and power supplies, and shall support a minimum of 2,000 LUNs/initiators.
85	42	Section-5, Page 42	Volume Scalability: >20,000 base volumes.	Minimum 2,000 base volumes/LUNs or equivalent.	No change. The offered storage shall support more than 20,000 base volumes, excluding snapshots and clones, as published.

S.No	Page No. of RFP	Section of the RFP	Point of clarification required as per RFP	Requested Clarification/ Suggested changes by the bidder	Clarification/ Revised Clause may be read as
86	43	Section-5, Page 43	Certification Flexibility: CE/FCC/BIS certifications.	CE/FCC/BIS or equivalent certifications.	Clause shall be read as: Valid BIS registration/certification shall be mandatory wherever the offered product falls under an applicable Indian compulsory registration scheme or Quality Control Order. CE, FCC or an equivalent recognized EMC/safety certification shall be accepted. Documentary evidence shall be submitted with the bid.
87	38	Item No. 1: GPU Based AI – Server	CPU: 2x64 Core Intel/AMD/X86 Architecture server grade processor; simultaneous multithreading; high PCIe lane count; latest generation processor.	2 x 64 Core Intel/AMD/X86 Architecture server grade processor; simultaneous multithreading; high PCIe lane count; (6th Gen Intel/5th Gen AMD generation processor)	Clarified: 'Latest generation' means the current production and OEM-supported server-processor generation offered in India on the bid-submission date. No specific Intel or AMD series is prescribed. The requirement of two server-grade x86 processors with a minimum of 64 physical cores each and all other published specifications remain unchanged.
88	39	Item No. 2: Computer server (Application Blade/Rack server)	Processors: Minimum two (2) Intel or AMD latest generation processors with minimum 2.4 GHz & 128 cores or more per socket.	Minimum two (2) Intel or AMD latest generation processors with minimum 2.4 GHz & 128 cores or more per socket. (6th Gen Intel/5th Gen AMD generation processor)	No change. The server shall have two Intel or AMD latest-generation processors, each with at least 128 physical cores and a minimum frequency of 2.4 GHz, together with all other published specifications. No particular processor series is mandated.

S.No	Page No. of RFP	Section of the RFP	Point of clarification required as per RFP	Requested Clarification/ Suggested changes by the bidder	Clarification/ Revised Clause may be read as
89	40	Item No. 2: Computer server (Application Blade/Rack server)	Operating System & Virtualization Software support: Latest certified versions of Windows Server, Red Hat Enterprise Linux (RHEL), SUSE Linux Enterprise Server (SLES), VMware ESXi, plus broad hypervisor compatibility.	Certified versions of Windows Server, Red Hat Enterprise Linux (RHEL), SUSE Linux Enterprise Server (SLES), VMware ESXi, plus broad hypervisor compatibility.	Clarified: 'Latest certified versions' means the latest version of each specified operating system or hypervisor that is both currently supported by its publisher and certified for the offered server at the date of delivery. A newly released but not yet OEM-certified version shall not be mandatory. All listed platform-support requirements remain unchanged.
90	41	Item No. 3: Enterprise Storage System-1 Petabyte	Front-End Connectivity: minimum of 16 x 32 Gbps Fibre Channel ports and 8 x 10/25 Gbps iSCSI ports; all ports are capable of line speed.	Minimum 4 x 32 Gbps Fibre Channel ports and 4 x 10/25 Gbps iSCSI ports; all ports capable of line speed.	No change. The offered storage shall have a minimum of 16 x 32 Gbps Fibre Channel ports and 8 x 10/25 Gbps iSCSI ports, and all ports shall be capable of operating at line speed.
91	41	Item No. 3: Enterprise Storage System-1 Petabyte	Back-End Connectivity: Minimum 384 Gbps SAS/FC backend connectivity, scalable to at least 576 Gbps.	Minimum 4 × 12 Gb/s SAS Wide Ports or equivalent/superior high-speed backend connectivity for redundant connection to SAS expansion/JBOD enclosures, with scalable storage expansion capability	No change, except typographical correction. The clause shall read: The offered storage shall have a minimum of 384 Gbps SAS/FC backend connectivity, scalable to at least 576 Gbps.
92	42	Item No. 3: Enterprise Storage System-1 Petabyte	High Availability: No single point of failure including controller cards, cache memory, fans, power supplies, etc.; support minimum 2,000 LUNs/initiators.	No single point of failure including controller cards, cache memory, fans, power supplies, etc.; Support a minimum of 2,000 LUNs/initiators or equivalent scalable logical storage objects, as supported by the proposed storage architecture.	No change. The offered storage array shall be configured with no single point of failure, including controller cards, cache memory, fans and power supplies, and shall support a minimum of 2,000 LUNs/initiators.

S.No	Page No. of RFP	Section of the RFP	Point of clarification required as per RFP	Requested Clarification/ Suggested changes by the bidder	Clarification/ Revised Clause may be read as
93	42	Item No. 3: Enterprise Storage System-1 Petabyte	Volume Scalability: More than 20,000 base volumes excluding snapshots and clones.	Support a minimum of 2,000 base volumes/LUNs, excluding snapshots and clones, or equivalent scalable logical storage objects.”	No change. The offered storage shall support more than 20,000 base volumes, excluding snapshots and clones, as published.
94	43	Item No. 4: AI Development Workstation/Desktop AI Supercomputer	Certification: CE / FCC / BIS certification.	CE / FCC / BIS/ Equivalent certification.	Clause shall be read as: Valid BIS registration/certification shall be mandatory wherever the offered product falls under an applicable Indian compulsory registration scheme or Quality Control Order. CE, FCC or an equivalent recognized EMC/safety certification shall be accepted. Documentary evidence shall be submitted with the bid.
95	4	Section-1 List of important General Conditions	Point No. 3: “The supplies should be completed within 6–8 weeks from the date of placing the supply order except for snowbound/tribal areas, where delivery can be made within 8–10 weeks.”	We request the Department to kindly extend the delivery period from 6–8 weeks to 90–120 days from the date of placing the supply order.	No change. Supplies shall be completed within 6 to 8 weeks, or 8 to 10 weeks for snowbound/tribal areas, as published. Any extension shall be considered only under the existing RFP provisions by the competent authority on justified grounds.
96	27	SECTION-3 GENERAL CONDITIONS OF THE TENDER &CONTRACT	Point no. 3.15: “Delays in the Supplier's Performance: Imposition of liquidated damages @Rs 50/- per day per equipments of the unfulfilled order. The maximum penalty will not exceed 10% of the order value	We request the Department to kindly revise the applicable liquidated damages from ₹50/- per day per equipment to ₹10/- per day per equipment, while retaining the maximum penalty limit of 10% of the order value.	No change. The liquidated-damages provision shall remain as published.

S.No	Page No. of RFP	Section of the RFP	Point of clarification required as per RFP	Requested Clarification/ Suggested changes by the bidder	Clarification/ Revised Clause may be read as
97	10	Section 2 2.1 Eligible Bidders	Point no. 12: “The Bidder should already have reasonable support base in this region. The Purchaser’s discretion regarding reasonableness of support base shall be final. It is clarified that this clause pertains to only the existing level of support. The actual support required to implement this arrangement has been described in the relevant section.”	We request the Department to kindly clarify that the requirement of an existing support base should not be treated as a mandatory eligibility criterion. Alternatively, bidders may be permitted to establish the required service/support infrastructure after award of the contract, within a mutually agreed period.	No change. The requirement for an existing regional support base shall remain as published.
98	25	Section 3 Point 3.11	Point 3.11.1- Payment First Instalment- Amount of 1st instalment shall be regulated in such a manner that the total payment after delivery is 85% of the order value. 3.11.2 Second Instalment: Remaining amount of 15% of the order value shall be paid after satisfactory installation of equipments and execution of Performance Guarantee for proper maintenance during warranty period as mentioned at Clause 3.5.	We request to amend this clause of payment schedule to 95% on delivery and 5% remaining on complete installation of equipments.	No change. Payment shall remain 85% after complete delivery against acknowledged delivery challans and 15% after successful installation and commissioning, subject to the published conditions.
99	38	Section-5 Item No. 1	Pont-2-GPU Based AI – Server- CPU 2x64 Core Intel/AMD/X86 Architecture server grade processor; simultaneous multithreading; high PCIe lane count; latest generation processor.	2 x 64 Core Intel/AMD/X86 Architecture server grade processor; simultaneous multithreading; high PCIe lane count; (6th Gen Intel/5th Gen AMD generation processor)	Clarified: 'Latest generation' means the current production and OEM-supported server-processor generation offered in India on the bid-submission date. No specific Intel or AMD series is prescribed. The requirement of two server-grade x86 processors with a minimum of 64 physical cores each and all other published specifications remain unchanged.

S.No	Page No. of RFP	Section of the RFP	Point of clarification required as per RFP	Requested Clarification/ Suggested changes by the bidder	Clarification/ Revised Clause may be read as
100	39	Section-5 Item No. 2	<p>Point no-1-Computer server (Application Blade/Rack server)-</p> <p>Processors- Minimum two (2) Intel or AMD latest generation processors with minimum 2.4 GHz & 128 cores or more per socket.</p>	Minimum two (2) Intel or AMD latest generation processors with minimum 2.4 GHz & 128 cores or more per socket. (6th Gen Intel/5th Gen AMD generation processor)	No change. The server shall have two Intel or AMD latest-generation processors, each with at least 128 physical cores and a minimum frequency of 2.4 GHz, together with all other published specifications. No particular processor series is mandated.
101	40	Section-5 Item No. 2	<p>Point 7-Computer server (Application Blade/Rack server)-</p> <p>Operating System and virtualization Software support—</p> <p>Latest certified versions of Windows Server, Red Hat Enterprise Linux (RHEL), SUSE Linux Enterprise Server (SLES), VMware ESXi, plus broad hypervisor compatibility.</p>	Certified versions of Windows Server, Red Hat Enterprise Linux (RHEL), SUSE Linux Enterprise Server (SLES), VMware ESXi, plus broad hypervisor compatibility.	Clarified: 'Latest certified versions' means the latest version of each specified operating system or hypervisor that is both currently supported by its publisher and certified for the offered server at the date of delivery. A newly released but not yet OEM-certified version shall not be mandatory. All listed platform-support requirements remain unchanged.
102	41	Section-5 Item No. 3	<p>Point no-8 Enterprise Storage System-1 Petabyte-</p> <p>Front-End Connectivity - Minimum 16 x 32 Gbps Fibre Channel ports and 8 x 10/25 Gbps iSCSI ports; all ports capable of line speed.</p>	Minimum 4 x 32 Gbps Fibre Channel ports and 4 x 10/25 Gbps iSCSI ports; all ports capable of line speed.	No change. The offered storage shall have a minimum of 16 x 32 Gbps Fibre Channel ports and 8 x 10/25 Gbps iSCSI ports, and all ports shall be capable of operating at line speed.

S.No	Page No. of RFP	Section of the RFP	Point of clarification required as per RFP	Requested Clarification/ Suggested changes by the bidder	Clarification/ Revised Clause may be read as
103	41	Section-5 Item No. 3	Point 9- Enterprise Storage System-1 Petabyte— Back-End Connectivity— Minimum 384 Gbps SAS/FC backend connectivity, scalable to at least 576 Gbps.	Minimum 4 × 12 Gb/s SAS Wide Ports or equivalent/superior high-speed backend connectivity for redundant connection to SAS expansion/JBOD enclosures, with scalable storage expansion capability	No change, except typographical correction. The clause shall read: The offered storage shall have a minimum of 384 Gbps SAS/FC backend connectivity, scalable to at least 576 Gbps.
104	42	Section-5 Item No. 3	Point 13- Enterprise Storage System-1 Petabyte- High Availability— No single point of failure including controller cards, cache memory, fans, power supplies, etc.; support minimum 2,000 LUNs/initiators.	No single point of failure including controller cards, cache memory, fans, power supplies, etc.; Support a minimum of 2,000 LUNs/initiators or equivalent scalable logical storage objects, as supported by the proposed storage architecture.	No change. The offered storage array shall be configured with no single point of failure, including controller cards, cache memory, fans and power supplies, and shall support a minimum of 2,000 LUNs/initiators.
105	42	Section-5 Item No. 3	Point 16- Enterprise Storage System-1 Petabyte- Volume Scalability— More than 20,000 base volumes excluding snapshots and clones.	Support a minimum of 2,000 base volumes/LUNs, excluding snapshots and clones, or equivalent scalable logical storage objects.”	No change. The offered storage shall support more than 20,000 base volumes, excluding snapshots and clones, as published.
106	43	Section-5 Item No. 4	Point no-20 AI Development Workstation/Desktop AI Supercomputer— Certification	CE / FCC / BIS/ Equivalent certification.	Clause shall be read as: Valid BIS registration/certification shall be mandatory wherever the offered product falls under an applicable Indian compulsory registration scheme or Quality Control Order. CE, FCC or an equivalent recognized EMC/safety certification shall be accepted. Documentary evidence shall be submitted with the bid.

S.No	Page No. of RFP	Section of the RFP	Point of clarification required as per RFP	Requested Clarification/ Suggested changes by the bidder	Clarification/ Revised Clause may be read as
107		Item No. 3: Enterprise Storage System-1 Petabyte		Please clarify capacity requiremnet is 1PB or 320TB as per clause No7 of the storage specifciations	Clause shall be read as: The storage shall be configured with a minimum of 1 PB (1,000 TB, decimal) usable capacity in RAID-6. Disk configuration shall remain approximately 30% Flash/SSD, 30% SAS and 40% NL-SAS by usable capacity. SSD, SAS and NL-SAS disks shall be configured in RAID-6. The bidder shall follow OEM best practices and submit OEM sizing documentation. Usable capacity shall exclude hot spares, parity, metadata/system overhead and data-reduction benefits.
108		Item No. 3: Enterprise Storage System-1 Petabyte	Data Availability: Offered storage shall be an Enterprise Storage Array and shall provide 99.999% or higher data availability. OEM documentation/ certification for 99.999% availability shall be submitted along with the bid.	Offered storage shall be an Enterprise Storage Array and shall provide more than 99.9999% or higher data availability. OEM documentation/certification shall be submitted along with the bid.	No change. The offered storage shall provide 99.999% or higher data availability. OEM-published documentation confirming the offered availability shall be submitted with the bid.
109		Item No. 3: Enterprise Storage System-1 Petabyte	Performance: Offered Storage System should provide a minimum of 200,000 IOPS with 70:30 Read/Write ratio and 8 KB block size along with data efficiency features enabled from Day-I. Bidder shall provide OEM sizing tool output along with the tender document.	Offered Storage System should provide a minimum of 150,000 IOPS with 80:20 Read/Write ratio and 8 KB block size along with data efficiency features enabled from Day-I. Bidder shall provide OEM sizing tool output along with the tender document.	No change. The offered storage shall provide a minimum of 200,000 IOPS at a 70:30 read/write ratio and 8 KB block size, with data-efficiency features enabled. OEM sizing-tool output shall be submitted with the bid.
110		Item No. 3: Enterprise Storage System-1 Petabyte	Cache Memory: Offered Storage Array should have at least 192 GB data cache and shall be scalable up to at least 512 GB data cache. It shall support cache de-staging to disks on power down or internal battery backup of cache for at least 72 hours. Data in cache shall not be lost in case of power failure.	Offered Storage array should have at-least 512GB memory across both controllers from day1. After a complete power failure, the host acknowledged writes must be restored without the need for battery backed mirrored write caches.	No change. The storage shall provide at least 192 GB data cache, scalable to at least 512 GB, and shall protect cached data through cache de-staging on power-down or internal battery backup for at least 72 hours. No data in cache shall be lost on power failure.
111		Item No. 3: Enterprise Storage System-1 Petabyte	Disk Support: Storage should support SSD, SAS and NL-SAS/MDL-SAS disks with scalability up to a minimum of 500 disk drives.	Storage should be All-NVMe disks with scalability up to a minimum of 72 NVMe drives.	No change. The storage shall support SSD, SAS and NL-SAS/MDL-SAS disks with scalability up to a minimum of 500 disk drives. NVMe media may be offered in addition, provided all mandatory requirements are met.

S.No	Page No. of RFP	Section of the RFP	Point of clarification required as per RFP	Requested Clarification/ Suggested changes by the bidder	Clarification/ Revised Clause may be read as
112		Item No. 3: Enterprise Storage System-1 Petabyte	Storage Capacity: The storage must be configured with a minimum of 320 TB usable capacity in RAID-6. Disk configuration shall comprise approximately 30% Flash/SSD, 30% SAS and 40% NL-SAS capacity. SSD, SAS and NL-SAS disks shall be configured in RAID-6. Vendor shall use OEM best practices while sizing the array and OEM documentation shall be submitted to validate the sizing.	The storage must be configured with a minimum of 320 TB usable capacity in RAID-6. Disk configuration shall 100% All NVMe, Vendor shall use OEM best practices while sizing the array and OEM documentation shall be submitted to validate the sizing.	Clause shall be read as: The storage shall be configured with a minimum of 1 PB (1,000 TB, decimal) usable capacity in RAID-6. Disk configuration shall remain approximately 30% Flash/SSD, 30% SAS and 40% NL-SAS by usable capacity. SSD, SAS and NL-SAS disks shall be configured in RAID-6. The bidder shall follow OEM best practices and submit OEM sizing documentation. Usable capacity shall exclude hot spares, parity, metadata/system overhead and data-reduction benefits.
113		Item No. 3: Enterprise Storage System-1 Petabyte	Front-End Connectivity: Offered Storage Array shall have a minimum of 16 x 32 Gbps Fibre Channel ports and 8 x 10/25 Gbps iSCSI ports. All ports shall have the capability to operate at line speed.	Offered Storage Array shall have a minimum of 8x32 Gbps Fibre Channel ports and 4 x10/25 Gbps iSCSI ports and 4x 10/25Gbps IP Replication Ports. All ports shall have the capability to operate at line speed.	No change. The offered storage shall have a minimum of 16 x 32 Gbps Fibre Channel ports and 8 x 10/25 Gbps iSCSI ports, and all ports shall be capable of operating at line speed.
114		Item No. 3: Enterprise Storage System-1 Petabyte	Back End Connectivity: Offered Storage should have ssbeen a minimum of 384 Gbps SAS/FC backend connectivity scalable up to atleast 576 Gb s.	PCI 4.0 slot of the Fiber channel card shall have at-least 16 lanes so that each offered port can work at line speed even after upgrading to 64Gbps.Each offered controller shall have minimum of 48 PCI 4.0 lanes for NVMe disk connectivity.	No change, except typographical correction. The clause shall read: The offered storage shall have a minimum of 384 Gbps SAS/FC backend connectivity, scalable to at least 576 Gbps.
115		Item No. 3: Enterprise Storage System-1 Petabyte	High Availability: Offered Storage Array shall be configured with no single point of failure including controller cards, cache memory, fans, power supplies, etc. The storage shall support a minimum of 2,000 LUNs/ initiators.	Offered Storage Array shall be configured with no single point of failure including controller cards, controller boot drive, cache memory, fans, power supplies, etc. The storage shall support a minimum of 2,000 LUNs/ initiators. Offered Storage shall of provided with Secure encrypted drives. each controller shall have redundant secure boot drives.	No change. The offered storage array shall be configured with no single point of failure, including controller cards, cache memory, fans and power supplies, and shall support a minimum of 2,000 LUNs/initiators.
116		Item No. 3: Enterprise Storage System-1 Petabyte	Snapshot capability: Storage Array shall support controller-based snapshots with a minimum of 254 snapshot copies per volume.	Storage Array shall support controller-based snapshots with a minimum of 1024 snapshot copies per volume.	No change. The storage array shall support controller-based snapshots with a minimum of 254 snapshot copies per volume. A higher number may be offered.

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117		Item No. 3: Enterprise Storage System-1 Petabyte	Replication: Storage shall support synchronous and asynchronous replication for block data. The solution shall support three-site replication either natively or through additional hardware. DC-to-DR asynchronous replication and DC-to-Local HA/Near-DR synchronous replication shall be supported.	Storage shall support synchronous and asynchronous replication for block data. The solution shall support three-site replication either natively. DC-to-DR asynchronous replication for Zero Data loss and DC-to-Local HA/Near-DR synchronous replication shall be supported. Storage controller based Sync Replication for Zero data loss and Async Replication for Near Zero (less than 1 minute) shall be provided.	No change. The storage shall support synchronous and asynchronous block replication and three-site replication, natively or through additional hardware/software. All required licenses and components for the offered capacity and topology shall be included.
118		Item No. 3: Enterprise Storage System-1 Petabyte	Software features: Storage subsystem shall be supplied with Thin Provisioning, Snapshot, Clone, Performance Monitoring and Quality of Service (QoS) features for IOPS, throughput and latency for the maximum supported capacity of the array	Storage subsystem shall be supplied with Thin Provisioning, Snapshot, Clone, Performance Monitoring and Quality of Service (QoS) features for IOPS, throughput / latency for the maximum supported capacity of the array	No change. The storage shall include Thin Provisioning, Snapshot, Clone, Performance Monitoring and QoS controls for IOPS, throughput and latency for the maximum supported capacity of the offered array.
119		Item No. 3: Enterprise Storage System-1 Petabyte	Additional Clauses to be added	The storage, GPU server and Compute server should be from same OEM for better integration and after sales support	The request is not accepted. The storage, GPU server and compute server are not required to be from the same OEM. Each item shall independently meet the RFP specifications and interoperability requirements.
120		Item No. 1: GPU Based AI – Server/Item No. 2: Computer server (Application Blade/Rack server)	Industry Standard Compliance: Additional Clauses to be added	ACPI 6.1 Compliant PCIe 4.0 Compliant WOL Support Microsoft® Logo certifications Support for Microsoft Secure Code PXE Support Energy Star SMBIOS 3.1 UEFI 2.7 Redfish API IPMI 2.0 Secure Digital 2.0 Advanced Encryption Standard (AES) Triple Data Encryption Standard (3DES) SNMP v3 TLS 1.2 DMTF Systems Management Architecture for Server Hardware Command Line Protocol (SMASH CLP) DMTF Redfish support for SecureBoot Key Management One Button Secure Erase Active Directory v1.0 ASHRAE A3/A4 UEFI Class 3 (Unified Extensible Firmware Interface Forum)	No change. The proposed additional clause is not accepted. The offered equipment shall meet the published RFP specifications. Any additional OEM-supported feature may be offered without extra cost, but shall not become a mandatory eligibility or evaluation condition.

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121		Item No. 1: GPU Based AI – Server/Item No. 2: Computer server (Application Blade/Rack server)	System Security: Additional Clauses to be added	UEFI Secure Boot and Secure Start support Immutable Silicon Root of Trust FIPS 140-3 validation Common Criteria certification Configurable for PCI DSS compliance Advanced Encryption Standard (AES) and Triple Data Encryption Standard (3DES) on browser Support for Commercial National Security Algorithms (CNSA) Tamper-free updates - components digitally signed and verified Secure Recovery - recover critical firmware to known good state on detection of compromised firmware Ability to rollback firmware Secure erase of NAND/User data TPM (Trusted Platform Module) 2.0 Bezel Locking Kit option Chassis Intrusion detection option	No change. The proposed additional clause is not accepted. The offered equipment shall meet the published RFP specifications. Any additional OEM-supported feature may be offered without extra cost, but shall not become a mandatory eligibility or evaluation condition.
122		Item No. 1: GPU Based AI – Server/Item No. 2: Computer server (Application Blade/Rack server)	Firmware Security: Additional Clauses to be added	1. For firmware security, system should support remote management chip creating a fingerprint in the silicon, preventing servers from booting up unless the firmware matches the fingerprint. This feature should be immutable 2. Should maintain repository for firmware and drivers recipes to aid rollback or patching of compromised firmware. Should also store Factory Recovery recipe preloaded to rollback to factory tested secured firmware	No change. The proposed additional clause is not accepted. The offered equipment shall meet the published RFP specifications. Any additional OEM-supported feature may be offered without extra cost, but shall not become a mandatory eligibility or evaluation condition.
123		Item No. 1: GPU Based AI – Server/Item No. 2: Computer server (Application Blade/Rack server)	Embedded Remote Management and Firmware Security: Additional Clauses to be added	1. System remote management should support browser based graphical remote console along with Virtual Power button, remote boot using USB/CD/DVD Drive. It should be capable of offering upgrade of software and patches from a remote client using Media/image/folder; It should support server power capping and historical reporting and should have support for multifactor authentication; 2. Server should have dedicated 1Gbps remote management port; 3. Server should have storage space earmarked to be used as a repository for firmware, drivers and software components. The components can be organized in to install sets and can be used to rollback/patch faulty firmware; 4. Server should support agentless management using the out-of-band remote management port; 5. The server should support monitoring and recording changes in the server hardware and system configuration. It assists in diagnosing problems and delivering rapid resolution when system failures occur; 6. Two factor Authentication; 7. Local or Directory-based user accounts with Role based access control; 8. Remote console sharing upto 6 users simultaneously during pre-OS and OS runtime operation, Console replay - Console Replay captures and stores for replay the console video during a server's last major fault or boot sequence. Microsoft Terminal Services Integration, 128 bit SSL encryption and Secure Shell Version 2 support.Should provide support for AES and 3DES on browser.Should provide remote firmware update functionality.Should provide support for Java free graphical remote console.; 9. Should support managing multiple servers as one via Group Power Control; Group Power Capping; Group Firmware Update; Group Configuration; Group Virtual Media and Encrypted Virtual Media; Group License Activation; 10. Should support RESTful API integration; 11. System should support embedded remote support to transmit hardware events directly to OEM or an authorized partner for automated phone home support; 12. Server should have security dashboard : displaying the status of important security features, the Overall Security Status for the system, and the current configuration for the Security State and Server Configuration Lock features.; 13. One-button Secure Erase designed to decommission/repurpose servers; 14. NVMe wear level display; 15. Workload Performance Advisor - Provides server tuning recommendations to improve server performance	No change. The proposed additional clause is not accepted. The offered equipment shall meet the published RFP specifications. Any additional OEM-supported feature may be offered without extra cost, but shall not become a mandatory eligibility or evaluation condition.
124		Item No. 1: GPU Based AI – Server/Item No. 2: Computer server (Application Blade/Rack server)	Server Management:Additional Clauses to be added	Software should support dashboard view to quickly scan the managed resources to assess the overall health of the data center. It should provide an at-a-glance visual health summary of the resources user is authorized to view.	No change. The proposed additional clause is not accepted. The offered equipment shall meet the published RFP specifications. Any additional OEM-supported feature may be offered without extra cost, but shall not become a mandatory eligibility or evaluation condition.

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125		Item No. 1: GPU Based AI – Server/Item No. 2: Computer server (Application Blade/Rack server)	Server Management:Additional Clauses to be added	The Dashboard minimum should display a health summary of the following: • Server Profiles • Server Hardware • Appliance alerts	No change. The proposed additional clause is not accepted. The offered equipment shall meet the published RFP specifications. Any additional OEM-supported feature may be offered without extra cost, but shall not become a mandatory eligibility or evaluation condition.
126		Item No. 1: GPU Based AI – Server/Item No. 2: Computer server (Application Blade/Rack server)	Server Management:Additional Clauses to be added	The Systems Management software should provide Role-based access control	No change. The proposed additional clause is not accepted. The offered equipment shall meet the published RFP specifications. Any additional OEM-supported feature may be offered without extra cost, but shall not become a mandatory eligibility or evaluation condition.
127		Item No. 1: GPU Based AI – Server/Item No. 2: Computer server (Application Blade/Rack server)	Server Management:Additional Clauses to be added	Zero Touch Provisioning (ZTP) using SSDP with remote access	No change. The proposed additional clause is not accepted. The offered equipment shall meet the published RFP specifications. Any additional OEM-supported feature may be offered without extra cost, but shall not become a mandatory eligibility or evaluation condition.
128		Item No. 1: GPU Based AI – Server/Item No. 2: Computer server (Application Blade/Rack server)	Server Management:Additional Clauses to be added	Management software should support integration with popular virtualization platform management software like Vmware vCenter & vRealize Operations, and Microsoft System Center & Admin Center	No change. The proposed additional clause is not accepted. The offered equipment shall meet the published RFP specifications. Any additional OEM-supported feature may be offered without extra cost, but shall not become a mandatory eligibility or evaluation condition.
129		Item No. 1: GPU Based AI – Server/Item No. 2: Computer server (Application Blade/Rack server)	Server Management:Additional Clauses to be added	Should help provide proactive notification of actual or impending component failure alerts on critical components like CPU, Memory and HDD.	No change. The proposed additional clause is not accepted. The offered equipment shall meet the published RFP specifications. Any additional OEM-supported feature may be offered without extra cost, but shall not become a mandatory eligibility or evaluation condition.
130		Item No. 1: GPU Based AI – Server/Item No. 2: Computer server (Application Blade/Rack server)	Server Management:Additional Clauses to be added	Should provide an online portal that can be accessible from anywhere. The portal should provide one stop, online access to the product, support information and provide information to track warranties, support contracts and status. The Portal should also provide a personalised dashboard to monitor device health, hardware events, contract and warranty status. Should provide a visual status of individual devices and device groups. The Portal should be available on premise (at our location - console based) or off premise (in the cloud).	No change. The proposed additional clause is not accepted. The offered equipment shall meet the published RFP specifications. Any additional OEM-supported feature may be offered without extra cost, but shall not become a mandatory eligibility or evaluation condition.

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131		Item No. 1: GPU Based AI – Server/Item No. 2: Computer server (Application Blade/Rack server)	Server Management:Additional Clauses to be added	Should help to proactively identify out-of-date BIOS, drivers, and Server Management agents and enable the remote update of system software/firmware components.	No change. The proposed additional clause is not accepted. The offered equipment shall meet the published RFP specifications. Any additional OEM-supported feature may be offered without extra cost, but shall not become a mandatory eligibility or evaluation condition.
132		Item No. 1: GPU Based AI – Server/Item No. 2: Computer server (Application Blade/Rack server)	Server Management:Additional Clauses to be added	Should have dashboard for firmware baselines while performing minimum required firmware checks and highlighting out-of-compliance devices for updates with the selected firmware baseline	No change. The proposed additional clause is not accepted. The offered equipment shall meet the published RFP specifications. Any additional OEM-supported feature may be offered without extra cost, but shall not become a mandatory eligibility or evaluation condition.
133		Item No. 1: GPU Based AI – Server/Item No. 2: Computer server (Application Blade/Rack server)	Server Management:Additional Clauses to be added	The Server Management Software should be of the same brand as of the server supplier.	The request is not accepted. Server-management software need not be the same brand as the server, provided the offered solution is OEM-supported, compatible and meets all published functional, licensing and support requirements.
134		Item No. 1: GPU Based AI – Server/Item No. 2: Computer server (Application Blade/Rack server)	OEM Brand Eligibility: Additional Clauses to be added	The OEM should have min 10 installations in top 500 supercomputers globally(https://www.top500.org/)	The proposed additional OEM-specific eligibility condition is not accepted. Eligibility shall be assessed only against the published RFP conditions and final technical specifications.
135		Item No. 1: GPU Based AI – Server/Item No. 2: Computer server (Application Blade/Rack server)	OEM Brand Eligibility: Additional Clauses to be added	The OEM should have min 5 entries in each of the published India Supercomputer list for last 5 Years (https://topsc.cdacb.in/).	The proposed additional OEM-specific eligibility condition is not accepted. Eligibility shall be assessed only against the published RFP conditions and final technical specifications.
136		Item No. 1: GPU Based AI – Server/Item No. 2: Computer server (Application Blade/Rack server)	OEM Brand Eligibility: Additional Clauses to be added	The OEM should be ISO 9001, ISO 14001, ISO 20000, ISO 27001, BIS Certified	The proposed additional OEM-specific eligibility condition is not accepted. Eligibility shall be assessed only against the published RFP conditions and final technical specifications.
137		Item No. 1: GPU Based AI – Server/Item No. 2: Computer server (Application Blade/Rack server)	OEM Brand Eligibility: Additional Clauses to be added	The OEM brand should be in existence for last more than 20 years to ensure better quality and after sales support	The proposed additional OEM-specific eligibility condition is not accepted. Eligibility shall be assessed only against the published RFP conditions and final technical specifications.

S.No	Page No. of RFP	Section of the RFP	Point of clarification required as per RFP	Requested Clarification/ Suggested changes by the bidder	Clarification/ Revised Clause may be read as
138		Item No. 1: GPU Based AI – Server/Item No. 2: Computer server (Application Blade/Rack server)	OEM Brand Eligibility: Additional Clauses to be added	The OEM should be present in top 3 brands in IDC report	The proposed additional OEM-specific eligibility condition is not accepted. Eligibility shall be assessed only against the published RFP conditions and final technical specifications.
139		Item No. 4: AI Development Workstation/Desktop AI Supercomputer	Expandable Storage: Additional NVMe or SSD expansion slot preferred.	Kindly remove this requirement.	Clarified: The word 'preferred' denotes a desirable feature and not a mandatory technical requirement. Non-availability of an additional internal NVMe/SSD expansion slot shall not by itself cause rejection, provided the offered system meets the mandatory storage capacity and all other specifications.
140			Minimum: 2 × USB-C (10 Gbps or higher), 2 × USB-A, and 1 × HDMI/Display output.	The requirement may be revised to 4 × USB Type-C ports and 1 × HDMI port.	Clause shall be read as: Minimum four USB ports, of which at least two shall be USB Type-C supporting 10 Gbps or higher; the remaining ports may be USB Type-A or USB Type-C. One HDMI or equivalent display-output port shall be provided. Where USB Type-A ports are not native, suitable adapters shall be included without extra cost.
141			Suggestion: Data Science Software	The following additional requirement may be included: The OEM should provide a comprehensive toolkit consisting of essential open-source software packages and utilities, including Python Base System, Podman, Ollama, Miniforge, curl, nvtop, btop, screen, Python environment management tools, uv, JupyterLab, Poetry, MLflow, Streamlit, Gradio, and OpenWebUI.	No change. No package-specific software list is being added. The existing AI software-stack requirement shall apply. Additional open-source utilities may be supplied without extra cost.
142			Suggestion: Software Toolkit for AI Setup	The following additional requirement may be included: The OEM should provide a software toolkit for the automated installation and configuration of essential open-source AI tools, along with seamless device discovery over the LAN. The toolkit should enable developers to quickly configure their AI environment for model fine-tuning and local inference while addressing common network connectivity challenges.	No change. No OEM-specific automated AI setup or LAN-discovery toolkit is being made mandatory. Any such toolkit may be offered without extra cost.
143			Suggestion: Global Presence & Market Leadership	The OEM should have a global presence and should be ranked among the Top 3 Workstation OEMs worldwide, as per the latest available IDC or Gartner market report.	The proposed additional OEM-specific eligibility condition is not accepted. Eligibility shall be assessed only against the published RFP conditions and final technical specifications.

S.No	Page No. of RFP	Section of the RFP	Point of clarification required as per RFP	Requested Clarification/ Suggested changes by the bidder	Clarification/ Revised Clause may be read as
144		2.1 Eligible Bidders	Either OEM or its authorised reseller only can participate in the bid/tender and if both participates in the bid/tender, then the bid of both bidders will not be considered, and both the bids would be technically disqualified. If the OEM authorises more than one reseller, all the bids of the participating resellers shall be deemed disqualified.	It is requested to delete this clause to ensure wider participation and healthy competition.	No change. The clause restricting simultaneous participation by an OEM and its authorised reseller(s), and participation by multiple resellers authorised by the same OEM, shall remain as published.
145	9	2.1. Eligible Bidders	4.The annual turnover of the OEM whose equipment are sought to be supplied, should be at least Rs 500 Crores for the last 3 years, i.e., for year 2022-23, 2023-24 and 2024-25.	Please give Relaxation for Make in India and Startup Medium Enterprises OEM .	No change. The eligibility criterion shall remain as published. Any relaxation mandatorily applicable to HPSEDC under an operative Government of Himachal Pradesh procurement order on the bid date shall apply only to the extent provided in that order, subject to valid supporting certification. No blanket relaxation is granted.
146	9	2.1. Eligible Bidders	6.The Bidder or its OEM {themselves or through re-seller(s)} should have experience in supply and installation of similar items in any Government/Semi Govt./ PSUs/ Autonomous bodies of Central/ State Govt. during the last three financial years.	Please give Relaxation for Startup Medium Enterprises OEM .	No change. The eligibility criterion shall remain as published. Any relaxation mandatorily applicable to HPSEDC under an operative Government of Himachal Pradesh procurement order on the bid date shall apply only to the extent provided in that order, subject to valid supporting certification. No blanket relaxation is granted.

S.No	Page No. of RFP	Section of the RFP	Point of clarification required as per RFP	Requested Clarification/ Suggested changes by the bidder	Clarification/ Revised Clause may be read as
147	9	2.1. Eligible Bidders	8.OEM should have presence in INDIA for more than 5 year	Please give relaxation for 3 Years	No change. The eligibility criterion shall remain as published. Any relaxation mandatorily applicable to HPSEDC under an operative Government of Himachal Pradesh procurement order on the bid date shall apply only to the extent provided in that order, subject to valid supporting certification. No blanket relaxation is granted.
148	38	Item No. 1: GPU Based AI – Server	4. 512 CJB ECC Registered DDR5 RAM, expandable up to 2 TB	its shall be read as 512 GB instead of CJB ECC Registered DDR5 RAM, expandable up to 2 TB	Clause shall be read as: 512 GB ECC Registered DDR5 RAM, expandable up to 2 TB.
149	39	Item No. 1: GPU Based AI – Server	17.Warranty & Support : Server shall be supplied with 5 years comprehensive 24*7 onsite OEM warranty and support, with MTTA≤ 10 minutes and MTTR ≤30 minutes. The product shall not be declared EOL/EOS for at least 7 years from installation. For components configured in redundancy/high availability/ cluster mode, if one component fails but, services remain unaffected, a resolution time of up to 24 hours shall be permissible. In case of failure of redundant components resulting in service disruption, the standard MTTR shall apply.	Please confirm for MTTA & MTTR	Clarified: MTTA of not more than 10 minutes means acknowledgement and commencement of remote support action. For this clause, MTTR of not more than 30 minutes means commencement of remote remedial action or an available workaround. Where onsite attendance or part replacement is required, the timelines in Clause 4.2.2 shall apply. The published 24-hour allowance for a failed redundant component that does not affect service, and the EOL/EOS requirement, remain unchanged.
150	40	Item No. 2: Computer server (Application Blade/Rack server)	4. Memory : Should have at least 24 DDR5 Registered DIMM (RDIMM) slots per Server and support speed up to 5600-6400 MT/s scalable to 6 TB.	Should have at least 16 DDR5 Registered DIMM (RDIMM) slots per Server and support speed up to 5600-6400 MT/s scalable to 6 TB.	No change. The server shall have at least 24 DDR5 RDIMM slots, support the specified memory speed, be scalable to 6 TB and be configured with 512 GB DDR5 memory from day one.
151	40	Item No. 2: Computer server (Application Blade/Rack server)	8. PCIe slots : minimum 6 PCIe Generation -5.0 or higher slots	please reduce to 3 PCIe slot from 6 PCIe slot	No change. The server shall provide a minimum of six PCIe Gen 5.0 or higher slots and sufficient expansion capacity for all offered NICs, HBAs, storage controllers and other required adapters.

S.No	Page No. of RFP	Section of the RFP	Point of clarification required as per RFP	Requested Clarification/ Suggested changes by the bidder	Clarification/ Revised Clause may be read as
152	40	Item No. 2: Computer server (Application Blade/Rack server)	Sr. No. 9: Ports: Should have the following ports for server connectivity: 1 serial port 4 USB 3.0/2.0 ports 1 VGA video port Shall have hot swappable redundant fans Shall have hot swappable redundant power supplies		Revised clause: Ports: Should have the following ports for server connectivity: The server shall provide 1 × Serial Port (DB9 or RJ-45 console), either natively on the rear I/O panel, through an included PCIe expansion bracket, or through Serial-over-LAN (SoL) functionality, 4 USB 3.0/2.0 ports, 1 VGA video port, Shall have hot swappable redundant fans, Shall have hot swappable redundant power supplies
153	40	Item No. 2: Computer server (Application Blade/Rack server)	5.Network :Should have 2 * 10 GbE (embedded) LAN ports, 4*25 GbE network ports for LAN connectivity	Can we Provide 1xDUAL PORT 10GB NIC CARD for similar functionality	No change. The server shall provide 2 x 10 GbE LAN ports and 4 x 25 GbE network ports for LAN connectivity. A single dual-port 10 GbE adapter alone does not meet the requirement.
154	40	Item No. 2: Computer server (Application Blade/Rack server)	12.Warranty & Support : Server shall be supplied with 5 years comprehensive 24*7 onsite OEM warranty and support, with MTTA ≤ 10 minutes and MTTR ≤ 30 minutes. The product shall not be declared EOL/EOS for at least 7 years from installation. For components configured in redundancy /high availability/ cluster mode, if one component fails but, services remain unaffected, a resolution time of up to 24 hours shall be permissible. In case of failure of redundant components resulting in service disruption, the standard MTTR shall apply.	Please confirm for MTTA & MTTR	Clarified: MTTA of not more than 10 minutes means acknowledgement and commencement of remote support action. For this clause, MTTR of not more than 30 minutes means commencement of remote remedial action or an available workaround. Where onsite attendance or part replacement is required, the timelines in Clause 4.2.2 shall apply. The published 24-hour allowance for a failed redundant component that does not affect service, and the EOL/EOS requirement, remain unchanged.