

**Corrigendum Number 3 : RFP/1265 - Procurement, Installation, Commissioning and Maintenance of Servers**

Sl. No	RFP Page No	RFP Clause No	Existing Clause	Revised Clause
1	96	Appendix-L Other Terms and Penalties 5.	On-site comprehensive warranty and AMC. The warranty will be from 60 months from date of installation or 63 months from date of delivery, whichever is later and AMC for further 24 months	On-site comprehensive warranty and AMC. The warranty will be from 60 months from date of installation or 63 months from date of delivery, whichever is earlier and AMC for further 24 months
2	60	A. Blade Server (Category 1) -> Clause # 10	Minimum 3 PCIe 5.0 Type based x16 Slots supporting Ethernet, FC adapters / CNA Card	Minimum 2 PCIe 4.0/5.0 Type based x16 Slots supporting Ethernet, FC adapters / CNA Card
3	60	A. Blade Server (Category 1) -> Clause # 12	ACPI 5.1 Compliant, PCIe 5.0 Compliant; WOL Support; Microsoft/VMware/RHEL Logo Certifications; USB 3.0 support or better.	ACPI 5.1 Compliant, PCIe 5.0 Compliant; WOL/equivalent technology Support; Microsoft/VMware/RHEL Logo Certifications; USB 3.0 support or better.
4	62	B. Rack Server (Category 2) => Clause # 5	Memory = > Should support scalability up to 4 TB without having to replace the existing DIMMs	Memory = > Should support scalability for at least 3 TB without having to replace the existing DIMMs
5	62	B. Rack Server Category 2 => Clause # 9	One (1) NIC or Equivalent port dedicated for Remote Management of the server hardware. Should support RDMA over Converged Ethernet (RoCE).	One (1) NIC or Equivalent port dedicated for Remote Management of the server hardware.
6	62	B. Rack Server Category 2 => Clause # 10	Expansion Slots -> Minimum 6 PCIe 5.0 Type based x16 Slots supporting Ethernet, FC adapters	Expansion Slots -> Minimum 6 PCIe 4.0/5.0 Type based x16 Slots supporting Ethernet, FC adapters
7	63	C. Rack Server Category 3 => Clause # 10	Expansion Slots -> Minimum 6 PCIe 5.0 Type based x16 Slots supporting Ethernet, FC adapters	Expansion Slots -> Minimum 6 PCIe 4.0/5.0 Type based x16 Slots supporting Ethernet, FC adapters
8	64	D. Rack Server Category 4 => Clause # 11	Expansion Slots -> Minimum 6 PCIe 5.0 Type based x16 Slots supporting Ethernet, FC adapters	Expansion Slots -> Minimum 6 PCIe 4.0/5.0 Type based x16 Slots supporting Ethernet, FC adapters
9	65	E. GPU Rack Servers Type 1 (Category 5) => Clause # 4	GPU -> Server should support three NVIDIA H100 Tensor Core GPU card or Intel® Data Center GPU Max 1100 or AMD Instinct™ MI250X. On day one server should be populated with two cards and all required licenses (including Nvidia AI enterprise / equivalent) for GPU slicing with VMware, Nvidia enterprise tech support, training, inferencing etc.	GPU -> Server should support two NVIDIA H100 Tensor Core GPU card or Intel® Data Center GPU Max 1100 or AMD Instinct™ MI250X. On day one server should be populated with two cards and all required licenses (including Nvidia AI enterprise / equivalent) for GPU slicing with VMware, Nvidia enterprise tech support, training, inferencing etc.
10	65	E. GPU Rack Servers Type 1 (Category 5) => Clause # 14	Ethernet Controller => The bandwidth required for network per server is minimum 8 x 25 G per server that must be partitioned across minimum four cards to provide card level redundancy also Should support RDMA over Converged Ethernet (RoCE).	Ethernet Controller =>The bandwidth required for network per server is minimum 8 x 25 G per server that must be partitioned across minimum two cards to provide card level redundancy also Should support RDMA over Converged Ethernet (RoCE).
11	65	E. GPU Rack Servers Type 1 (Category 5) => Clause # 15	Expansion Slots -> Minimum 6 PCIe 5.0 Type based x16 Slots supporting Ethernet, FC adapters	Expansion Slots -> Minimum 6 PCIe 4.0/5.0 Type based x16 Slots supporting Ethernet, FC adapters
12	66	F. GPU Rack Servers Type 2 (Category 6) => Server Type. Clause # 3	Server Type -> 64 Cores each socket, Dual socket- 128 cores) AMD 9554 or Intel Xeon Platinum 8592V	Server Type -> 64 Cores each socket, Dual socket- 128 cores) AMD 9554/AMD 9575F or Intel Xeon Platinum 8592V
13	66	F. GPU Rack Servers Type 2 (Category 6) => Clause # 10 => Memory	Each Server should be installed with minimum 3 TB Memory DDR5 or higher RDIMM ; Should support scalability up to 4 TB without having to replace the existing DIMMs	Each Server should be installed with minimum 3 TB Memory DDR5 or higher RDIMM
14	66	F. GPU Rack Servers Type 2 (Category 6) => Clause # 10 => Internal Storage	Minimum 2 x 480 GB M2 SSD drives or higher having capability to be used as Mirror Disk with Above RAID controller for installing the operating system hypervisor and 8 * 7.6 TB NVMe drives per node.	Minimum 2 x 480 GB M2 SSD drives or higher having capability to be used as Mirror Disk with Above RAID controller for installing the operating system hypervisor and 8 * 15.xx TB NVMe drives per node.
15	66	F. GPU Rack Servers Type 2 (Category 6) => Clause # 13 => HBA	Each server must have dedicated 4 x 32G dedicated fiber channel SAN Storage connectivity distributed across two cards	This clause is deleted.
16	66	F. GPU Rack Servers Type 2 (Category 6) => Clause # 14	The bandwidth required for network per server is minimum 8 x 25 G per server that must be partitioned across minimum four cards to provide card level redundancy and should support RDMA over Converged Ethernet (RoCE)	The bandwidth requirement is as below:  Frontend :- In band + Storage Network :- 2 * 200 G Nvidia BF3 NIC per Server. The 2x200 G network should be splittable in 10/25 G network ports to accommodate the required bandwidth with existing Top of the rack switches. In case splitting is not possible, bidder has to provide suitable intermediary switches to connect with ToR.  Back end :- 8x400G per server (GPU to GPU using Infiniband/Ethernet switches and CX7 NIC). The Infiniband/Ethernet switches needs to be supplied by bidder.  OOB Mgmt :- 2*1G Port
17	67	General compliance	ACPI 5.1 Compliant, PCIe 5.0 Compliant; WOL Support; Microsoft/VMware/RHEL Logo Certifications.	ACPI 5.1 Compliant, PCIe 5.0 Compliant; WOL/equivalent technology Support; Microsoft/VMware/RHEL Logo Certifications; USB 3.0 support or better.
18	70	G. HARDWARE - BLADE ENCLOSURE -> Clause # 3	<b>Blade Server Ethernet Interconnect</b>  Each enclosure must have total 16 x 25G ports with pair of redundant network modules with 8 x 25G uplink ports respectively in each. i.e. 8 x 25G uplink bandwidth must be maintained even after 50% of interconnect failure and without using multi-chassis aggregation.	<b>Blade Server Ethernet Interconnect/ Converged Network Interconnect</b>  Each enclosure must have total 16 x 25G ports with pair of redundant network modules with 8 x 25G uplink ports respectively in each. i.e. 8 x 25G uplink bandwidth must be maintained even after 50% of interconnect failure and without using multi-chassis aggregation.

19	70	G. HARDWARE - BLADE ENCLOSURE -> Clause # 4	<b>Blade Server FC Interconnect</b> "The enclosure must have redundant Fibre Channel Interconnect modules with minimum 8 x 32Gbps Uplink Ports to the SAN Switch i.e. 4 x 32G uplink bandwidth must be maintained even after one interconnect failure. Each module should be fully licensed to use all available ports in case of both Multi chassis and Standalone chassis scenario."	<b>Blade Server Ethernet Interconnect/ Converged Network Interconnect</b> "The enclosure must have redundant Fibre Channel Interconnect modules with minimum 8 x 32Gbps Uplink Ports to the SAN Switch i.e. 4 x 32G uplink bandwidth must be maintained even after one interconnect failure. Each module should be fully licensed to use all available ports in case of both Multi chassis and Standalone chassis scenario."
20	60	Host Bus Adaptor(HBA)/Converged Network Adaptor(CNA)	Each blade server must be equipped with at least two 32G dedicated Fibre Channel SAN storage connectivity ports, with redundancy, supporting both Fibre Channel (FC) and NVMe over Fabrics (NVMeoF) protocols.	Each blade server must be equipped with at least two 32G dedicated Fibre Channel SAN storage connectivity ports, with redundancy, supporting both Fibre Channel (FC) and NVMe over Fabrics (NVMeoF) protocols. In case of FC HBA card, dual port card is acceptable, in case of CNA, card level redundancy is required.
21	62	Rack Servers (Category 2) - Processor	64 cores each socket, dual socket-128 cores (AMD 9554 or Intel Xeon Platinum 8592V)	64 cores each socket, dual socket-128 cores (AMD 9554 or Intel Xeon Platinum 8592V/8592+)
22	63	Rack Servers (Category 3) - Memory	Should support scalability up to 4 TB without having to replace the existing DIMMs	Should support scalability for at least 3 TB without having to replace the existing DIMMs*
23	65	GPU Rack Servers Type 1 (Category 5) - Processor	64 Cores each socket, Dual socket- 128 cores) AMD 9554 or Intel Xeon Platinum 8592V	64 cores each socket, dual socket-128 cores (AMD 9554 or Intel Xeon Platinum 8592V/8592+)
24	65	GPU Rack Servers Type 1 (Category 5) - Memory	Should support scalability up to 4 TB without having to replace the existing DIMMs	Memory = > Should support scalability for at least 3 TB without having to replace the existing DIMMs
25	66	GPU Rack Servers Type 2 (Category 6) - Processor	64 Cores each socket, Dual socket- 128 cores) AMD 9554 or Intel Xeon Platinum 8592V	64 cores each socket, dual socket-128 cores (AMD 9554 or Intel Xeon Platinum 8592V/8592+)
26	66	GPU Rack Servers Type 2 (Category 6) - Expansion Slots	Minimum 12 PCIe 5.0 Type based x16 Slots supporting Ethernet, FC adapters for each server	Minimum 10 PCIe 5.0 Type based x16 Slots supporting Ethernet, FC adapters for each server.
27	59	A. Blade Servers (Category 1) Sr. No 5 Memory	Should provide Advanced Memory Protection features like multi-bit error correction, memory mirroring, and memory spare for higher reliability.	Should provide Advanced Memory Protection features like multi-bit error correction, memory mirroring, and memory spare or Advanced Memory Protection features like Advanced Memory Device Correction (AMDC) and post-package repair (PPR) capability for higher reliability.
28	62	B. Rack Servers (Category 2) Sr. No 5 Memory	Should provide Advanced Memory Protection features like multi-bit error correction, memory mirroring, and memory spare for higher reliability.	Should provide Advanced Memory Protection features like multi-bit error correction, memory mirroring, and memory spare or Advanced Memory Protection features like Advanced Memory Device Correction (AMDC) and post-package repair (PPR) capability for higher reliability.
29	64	D. Rack Servers (Category 4) Sr. No 5 Memory	Should provide Advanced Memory Protection features like multi-bit error correction, memory mirroring, and memory spare for higher reliability.	Should provide Advanced Memory Protection features like multi-bit error correction, memory mirroring, and memory spare or Advanced Memory Protection features like Advanced Memory Device Correction (AMDC) and post-package repair (PPR) capability for higher reliability.
30	65	E. GPU Rack Servers Type 1 (Category 5) Sr. No 10 Memory	Should provide Advanced Memory Protection features like multi-bit error correction, memory mirroring, and memory spare for higher reliability.	Should provide Advanced Memory Protection features like multi-bit error correction, memory mirroring, and memory spare or Advanced Memory Protection features like Advanced Memory Device Correction (AMDC) and post-package repair (PPR) capability for higher reliability.
31	66	F. GPU Rack Servers Type 2 (Category 6) Sr. No 10 Memory	Should provide Advanced Memory Protection features like multi-bit error correction, memory mirroring, and memory spare for higher reliability.	Should provide Advanced Memory Protection features like multi-bit error correction, memory mirroring, and memory spare or Advanced Memory Protection features like Advanced Memory Device Correction (AMDC) and post-package repair (PPR) capability for higher reliability.
32	60	A. Blade Servers (Category 1) Sr. No 7	For 240 servers(120 at each site) out of 1775, minimum 2x 480 GB M2 SSD drives or higher having capability to be used as Mirror Disk with Above RAID controller for installing the operating system hypervisor and 4 x 3.xx TB high performance NVME.	For 240 servers(120 at each site) out of 1775, minimum 2x 480 GB M2 SSD drives or higher having capability to be used as Mirror Disk with Above RAID controller for installing the operating system hypervisor and 4 x 3.xx TB high performance NVME.(vSAN ESA certified nodes)
33	5	Bank Guarantee	Rs 5,00,00,000/- (Rs Five Crore only)	Overall Bank Guarantee amount will be Rs 5,00,00,000/-. If bank gives order in multiple phases, then bank guarantee will be pro rata based on Order Value. For Instance if order value is 40% of the discovered cost, the bank guarantee will 40% of Rs 5,00,00,000/-.