Responses to Pre Bid Queries - IT Cloud Solutions/FY:2024-25/RFP/1310 Dated: 31/03/2025

Sl. No.	RFP Page No.	RFP Clause No.	Existing Clause	Query/Suggestions	Bank's Response
1	23	AWARD CRITERIA AND AWARD OF CONTRACT	Applicability of Preference to Make in India, Order 2017 (PPP-MII Order)	Blade servers, blade chassis and GPU servers are not manufactured in India and will not qualify under MII.	No Change, as per RFP
2	60	Quantity	1775 (901 at Mumbai and 874 at Gachibowli)	Though RFP has called out number of blade servers required per location, can you also confirm number of blade chassis that will be required per location. As all OEMs has differenet number of blade servers supported per chassis, it will be important to mention the number of chassis required.	No Change as per RFP
3	61	Internal Storage - Blade Servers	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)	Can you confirm what is meant by vSAN ESA certified nodes. Do we have to configure vSAN ESA certified nodes or only drives has to be certified for vSAN ESA. Request you to please provide clarity	No change as per RFP, The proposed server should be VSAN ESA certified / compliant including all components (such as NVME disk, NIC, Boot Device, HSM etc.) Incase any of the components are not certified, it is the bidders responsibility to replace /add the required component without any additional cost.
4	70	Hardware - Blade Enclosure	In case of multi-chassis aggregation (not more than 4 chassis in one set), each master enclosure must have redundant master modules to eliminate single point of failure. The multi-chassis setup should have total 40 x 25G uplink ports with 20 x 25G uplink ports for each master enclosure i.e. 20 x 25G uplink bandwidth must be maintained even after 50% of master interconnect failure for multi-chassis set.	Limiting the number of chassis in a single chassis to 4 is an older architecture for CNA. Current generation CNA Blade switches are with 6.4Tbps switching capacity and forwarding rates upto 1,785Mpps and can have latency as low as <450ns to <600 ns which can easily suppot 80 servers in a non blocking architecture. Restricting this to only 24 blades is an overconfiguration and only increased the BOM of switches hence improving complexity. Requesting bank to reconsider this clause and increase the number of blades in a set. Eventhough switch supportd 10 chassis in a set, requesting Bank to give a fair play by mentioning number of servers (eg : 48) per set rather than mentioning the number chassis in one set. Different OEMs have difference architecture on their chassis design and mentioning no. of blades in a set is a fair ask. https://i.dell.com/sites/csdocuments/Product_Docs/en/DellEMCNetworkingMX9116n SpecSheet.pdf - Link to more details on the CNA switch for your reference.	Please refer Corrigendum No. 1
5	70	Interconnect Support (Blade Chassis)	Should support simultaneous housing of Ethernet, FC, iSCSI or CNA offering Hot Pluggable & Redundancy as a feature. Enclosure should have a minimum of 6 Interconnect Bays populated in case of 4 chassis group, in case of standalone chassis per chassis 2 Interconnect Bays need to provide in redundancy and Server to server communication for servers in same chassis must happen over these switches. These switches must be internal or external to server and should not be shared across multiple chassis.	Refer below 2 points - In case of standalone chassis per chassis 2 Interconnect bays is mentioned. However refering to the below 2 clauses for servers in case of standalone configuration, card level redundancy is requested for Ethernet and port level redundancy is asked for FC. This combination will still demand for 6 Interconnect modules (4 for Ethernet and 2 for FC) or in case of standalone CNA still the Interconnect module count is still 4 (since card level redundancy is requested and each CNA cards needs 2 IO modules each).	No Change, as per RFP
6	61	Host Bus Adaptor(HBA)/ Converged Network Adaptor(	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.	This line item is reference to the above row. - Interconnect Support (Blade Chassis) Pg no. 70	No change as per RFP
7	61	Ethernet Controller / Converged Network Adaptor(CNA	The bandwidth required for network per server is a minimum of 2 x 50G per server that must be partitioned across a minimum of two cards to provide card level redundancy with a minimum of 50G bandwidth available per card. Should support RDMA over Converged Ethernet (RoCE).	This line item is reference to the above row. - Interconnect Support (Blade Chassis) Pg no. 70	No change as per RFP
8	66	Rack Servers (Category 4) - Internal Storage	8 * 7.6 TB NVMe drives per node (vSAN ESA certified nodes)	Can you confirm what is meant by vSAN ESA certified nodes. Do we have to configure vSAN ESA certified nodes or only drives has to be certified for vSAN ESA. Request you to please provide clarity	No change as per RFP, The proposed server should be VSAN ESA certified / compliant including all components (such as NVME disk, NIC, Boot Device, HSM etc.) Incase any of the components are not certified, it is the bidders responsibility to replace /add the required component without any additional cost.
9	23	19.AWARD CRITERIA AND AWARD OF CONTRACT:	i. Applicability of Preference to Make in India, Order 2017 (PPP-MII Order) Guidelines on Public Procurement (Preference to Make in India), Order 2017 (PPP MII Order and revision thereto will be applicable for this RFP and allotment will be done in terms of said Order	Since this RFP is global tender & most of the Server OEMs are global OEMs, we strongly request you to remove this purchase preference clause under PPP-MII Order 2017.	No Change, as per RFP

10	81	Scope of Work and Payment Schedule, Sr. No. 4	Delivery of all equipment should be within 8 weeks and installation, testing, commissioning within 10 weeks from date of placing of order.	We request to delivery period as below: Delivery of all equipment should be within 12 weeks and installation, testing, commissioning within 16 weeks from date of placing of order.	No Change as per RFP
11	82	Scope of Work and Payment Schedule, Sr. No. 13, Paym	50% + taxes of the Servers (hardware, software and warranty) will be released on delivery of hardware. The remaining 50% + taxes of the Servers (hardware, software and warranty) will be released on commissioning, verification of bill of material by Bank/CDAC/Third party and submission of PBG.	We request you to revise this payment criteria as below: 70% of the invoice value with 100% GST / taxes of the Servers (hardware, software and warranty) will be released on delivery of hardware. The remaining 30% of the Invoice value of the Servers (hardware, software and warranty) will be released on commissioning, verification of bill of material by Bank/CDAC/Third party and submission of PBG.	No Change as per RFP
12	60	Quantity	1775 (901 at Mumbai and 874 at Gachibowli)	Though RFP has called out number of blade servers required per location, can you also confirm number of blade chassis that will be required per location. As all OEMs has differenet number of blade servers supported per chassis, it will be important to mention the number of chassis required.	No Change as per RFP
13	70	Hardware - Blade Enclosure	In case of multi-chassis aggregation (not more than 4 chassis in one set), each master enclosure must have redundant master modules to eliminate single point of failure. The multi-chassis setup should have total 40 x 25G uplink ports with 20 x 25G uplink ports for each master enclosure i.e. 20 x 25G uplink bandwidth must be maintained even after 50% of master interconnect failure for multi-chassis set.	Limiting the number of chassis in a single chassis to 4 is an older architecture for CNA. Current generation CNA Blade switches are with 6.4Tbps switching capacity and forwarding rates upto 1,785Mpps and can have latency as low as <450ns to <600 ns which can easily suppot 80 servers in a non blocking architecture. Restricting this to only 24 blades is an overconfiguration and only increased the BOM of switches hence improving complexity. Requesting bank to reconsider this clause and increase the number of blades in a set. Eventhough switch supportd 10 chassis in a set, requesting Bank to give a fair play by mentioning number of servers (eg : 48) per set rather than mentioning the number chassis in one set. Different OEMs have difference architecture on their chassis design and mentioning no. of blades in a set is a fair ask. https://i.dell.com/sites/csdocuments/Product_Docs/en/DellEMCNetworkingMX9116n SpecSheet.pdf - Link to more details on the CNA switch for your reference.	Please refer Corrigendum No. 1
14	70	Interconnect Support (Blade Chassis)	Should support simultaneous housing of Ethernet, FC, iSCSI or CNA offering Hot Pluggable & Redundancy as a feature. Enclosure should have a minimum of 6 Interconnect Bays populated in case of 4 chassis group, in case of standalone chassis per chassis 2 Interconnect Bays need to provide in redundancy and Server to server communication for servers in same chassis must happen over these switches. These switches must be internal or external to server and should not be shared across multiple chassis.	Refer below 2 points - In case of standalone chassis per chassis 2 Interconnect bays is mentioned. However refering to the below 2 clauses for servers in case of standalone configuration, card level redundancy is requested for Ethernet and port level redundancy is asked for FC. This combination will still demand for 6 Interconnect modules (4 for Ethernet and 2 for FC) or in case of standalone CNA still the Interconnect module count is still 4 (since card level redundancy is requested and each CNA cards needs 2 IO modules each).	No Change, as per RFP

15	69	Operating System for Category 6 Server	Should be Compatible with Latest Windows server, Red Hat Linux/Openshift and VMware ESXi Server version 7.0 U3/VCF 4.5.2 and all later/upgraded/higher versions. Also, the supplied hardware should support all version upgrades coming in next 7 years. If hardware supplied by selected OEM is not compatible with these releases during 7 years from date of commissioning, bidder need to replace hardware with compatible VMware, Windows server, Red Hat Linux/Openshift release without any additional cost to the Bank.	Kindly modify this as " Should be Compatible with Red Hat Linux/Openshift and VMware ESXi Server version 7.0 U3/VCF 4.5.2 OR all later/upgraded/higher versions. Also, the supplied hardware should support all version upgrades coming in next 7 years. If hardware supplied by selected OEM is not compatible with these releases during 7 years from date of commissioning, bidder need to replace hardware with compatible VMware, Red Hat Linux/Openshift release without any additional cost to the Bank." Justification: 1) As per Broadcom notifcation, VMware vSphere 7.0, including ESXi 7.0 and vCenter Server 7.0, would reach EOS in a few months - by October 2, 2025. This means that after this date, VMware will no longer provide general support, security patches, or updates for vSphere 7.0. Hence the newly launched 8 GPU server is certified with VmWare 8.0 onwards. Kindly allow VmWare 7.0 U3 OR above versions (Or Vmware 8.0 AND higher versions) Reference Link: https://knowledge.broadcom.com/external/article/372953/announcing-end-of-support-life-for-vsphe.html 2) Windows Server OS is a general purpose OS, and not qualified on 8 GPU Server which is meant for AI ML Workloads. Most of the customers deploy Redhat Linux/Openshift or VmWare on such dense GPU Server for AI ML workloads. Hence kindly remove this requirement from Category 6 Server	Please refer Corrigendum No. 1
16	68	F: GPU Rack Servers Type 2 (Category 6) => Clause # 14	Minimum 10 PCIe 5.0 Type based x16 Slots supporting Ethernet, FC adapters for each server.	Request you to modify as "Minimum 10 PCIe 5.0 Type based x16 Slots supporting Ethernet adapters for each server" Justification: In AI use case, the dense GPU Server, typically uses Ethernet adapters of 100 / 200 Gig speed for Storage traffic. Since AI Applications need access to huge amount of data for training and fine tuning etc, FC adapter (which supports max of 32 or 64 Gig speed per port) is a limiting factor. Hence request you to remove "FC Adapter" from this clause. Also, in this RFP, for each Category 6 Server, Front end network adapter with 2 x 200 Gig port is asked for In-band + Storage network, which ensures that there is not network bottleneck for Storage access.	Please refer Corrigendum No. 1
17	66	E: GPU Rack Servers Type 1 (Category 5) => Clause#4 : GPU	Server should support minimum two NVIDIA H100 Tensor Core GPU card or Intel® Data Center GPU Max 1100 or AMD Instinct™ MI300X. 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.	Request you to modify as " Server should support minimum two NVIDIA H100 NVL 94 GB Tensor Core GPU card or Intel® Data Center GPU Max 1100 or AMD Instinct™ MI300X. 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." Justification H100 GPU is available in 2 varients - one with 80 GB GPU Memory & latest H100 NVL which comes with 94 GB GPU Memory. The H100 80 GB is near End of Sale. Hence request the bank to change the specification to H100 NVL with 94 GB RAM to be provided along with this server. Below is a comparison of H100 80 GB vs H100 NVL 94 GB H100 NVL => 94 GB HBM3 Memory / GPU, 528 Tensor Cores / GPU, 16896 FP32 Cores / GPU H100 => 80 GB HBM2e Memory / GPU, 456 Tensor Cores / GPU, 14592 FP32 Cores / GPU.	Please refer Corrigendum No. 1
18	61	A. Blade Server (Category 1) -> Clause # 12: Industry Standard Compliance	ACPI 5.1 Compliant, PCIe 5.0 Compliant; WOL/equivalent technology Support; Microsoft/VMware/RHEL Logo Certifications; USB 3.0 support or better.	Request you to modify the clause as " ACPI 5.1 Compliant, PCIe 4.0 / 5.0 Compliant; WOL/equivalent technology Support; Microsoft/VMware/RHEL Logo Certifications; USB 3.0 support or better." Justification: As per Clause # 10, Expansion slots, PCI 4.0 / 5.0 is allowed. Kindly update this point as well.	Please refer Corrigendum No. 1

#	Page	Clause	RFP Clause	Bidder Query/Suggestion	Bank Response
19	68	Industry Standard Compliance (Category 2 to 6)	ACPI 5.1 Compliant, PCIe 5.0 Compliant; WOL/equivalent technology Support; Microsoft/VMware/RHEL Logo Certifications; USB 3.0 support or better.	Request you to modify the clause as "ACPI 5.1 Compliant, PCIe 4.0 / 5.0 Compliant; WOL/equivalent technology Support; Microsoft/VMware/RHEL Logo Certifications; USB 3.0 support or better.	Please refer Corrigendum No. 1
20	66	E: GPU Rack Servers Type 1 (Category 5) => Clause#2 : C	Clause#2 : Quantity : 28	Clarification required: For Category 5, 28 Servers are asked for. Will all these 28 servers be installed in a particular DC, if yes which location. If it is spread across Mumbai & Hyderabad, please share breakup.	No change as per RFP. Bank will decide this as per requirement in future
21	67	F: GPU Rack Servers Type 2 (Category 6) => Quantity	Clause#2 : Quantity : 32	Clarification Required: Will all the 32 x 8 GPU Server would be installed in the same Data Center ? if yes, which location. Please confirm the # of 8 GPU Servers in each DC in case of breakup.. This is required to determine the Quantity of switches required in each DC as well as to design front-end & back-end network (GPU to GPU network) for respective DC Site.	No change as per RFP. Bank will decide this as per requirement in future
22	68	F: GPU Rack Servers Type 2 (Category 6) => Ethernet Co	Backend: - 8x400G per server (GPU to GPU using InfiniBand/Ethernet switches and CX7 NIC). The InfiniBand/Ethernet switches needs to be supplied by bidder	Clarification required: The network design has a considerable influence on the overall performance of an AI/ML cluster, especially the backend GPU to GPU network is very critical for AI ML Networks. A two-tier, spine-switch-leaf-switch design dedicated for GPU to GPU network provides the lowest latency and scalability. Hence, please confirm, that the back end need to be designed with end to end non-blocking architecture using LEAF & SPINE design, such that all 256 GPU can communicate at 400 Gbps to other GPUs concurrently	No change as per RFP
23	68	F: GPU Rack Servers Type 2 (Category 6) => Ethernet Controller	Frontend: - In band + Storage Network:- 2 * 200 G Nvidia BF3 NIC per Server. The 2x200 G network should be splitable 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 must provide suitable intermediary switches to connect with Top of the Rack Switch.	Request you to modify as "Frontend: - In band + Storage Network:- 2 * 200 G Nvidia BF3 OR CX7 NIC per Server. The 2x200 G network should be splitable 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 must provide suitable intermediary switches to connect with Top of the Rack Switch. Justificaiton: Both BF3 and CX7 Card offers same bandwidth to the front end network. While CX7 is ASIC based SmartNIC, BF Series is SoC based SmartNIC & there is no performance impact for front end network. Hence reqeust you to allow the bidder to either quote with 2 x 200 Gig BF3 card or 2 x 200 Gig CX7 card.	Please refer Corrigendum No. 1
24	85	Indicative Price Bid: Appendix-F :		Suggestions: Justifications: The Price Bid should match the specifications. Since the Specification mentions to Quote Either of the GPUs, the Price Bid should also ask for Either of the GPUs since the Bidder will supply only one type of GPU. Also separated the GPUs as a separate line for rate dicovery	Please refer Corrigendum No. 1
25	80	Appendix-EScope of Work and Payment Schedule2. Des	The prices discovered through this RFP will be valid for a minimum period of three years from the date of initial purchase order.	Suggestions: The prices discovered through this RFP will be valid for a minimum period of three years from the date of initial purchase order.	The prices discovered through this RFP will be valid for a minimum period of three years from the date of initial purchase order.
26	81	Appendix-EScope of Work and Payment Schedule4. Terr	Delivery of all equipment should be within 8 weeks and installation, testing, commissioning within 10 weeks from date of placing of order.	Suggestions: Delivery of all equipment should be within 12 weeks and installation, testing, commissioning within 22 weeks from date of placing of order.	No Change as per RFP
27	81	Appendix-EScope of Work and Payment Schedule8. Scal	Rate discovered will be valid for three years from the date of initial Purchase order and if there are requirements, Bank may place additional order for hardware up to 25% quantity for which RFP is floated. The additional 25% quantity may be of any category/categories of the Servers/GPU.	Suggestions: Rate discovered will be valid for one year from the date of initial Purchase order and if there are requirements, Bank may place additional order for hardware up to 25% quantity for which RFP is floated. The additional 25% quantity may be of any category/categories of the Servers/GPU.	No Change as per RFP

28	74	H. Rack Enclosure	Rack Sizing	Please Specify the Dimension of the Rack & qty	No Change, as per RFP The bidder needs to supply standard 42 U Racks as per the specifications of servers being quoted.
29	74	H. Rack Enclosure	Environmental Monitoring	Please specify controller based or IPDU based environmental monitoring solution	No Change, as per RFP Any one of the monitoring solution.
30	75	H. Rack Enclosure	Intelligent Power Distribution Units (PDUs)	Please let us know type of the PDU need to consider Single Phase or three phase iPDU	No Change, as per RFP Three Phases
31	75	H. Rack Enclosure	Intelligent Power Distribution Units (PDUs)	Switching with outlet level monitoring or only outlet level monitoring required	No Change, as per RFP Any one of the outlet level monitoring is ok.
32	56	3	The Bidder must have an average turnover of minimum Rs. 250 crore during last 03 (three) financial year(s) i.e. FY 2021-22, FY 2022-23 and FY 2023-24.	The Bidder must have an average turnover of minimum Rs. 250 Crore during last 03 (three) financial year(s) **from the business of IT / ITeS** i.e. FY2021-22, FY2022-23 and FY2023-24.	No Change as per RFP
33	56	5	Bidder should have experience of five years in supply, installation, commissioning and maintenance of minimum 250 blade/rack Servers. (Combining all orders).	Bidder should have experience of five years in supply, installation, commissioning and maintenance of minimum 250 blade/rack Servers. (Combining all orders with **one order should be min 100 Nos of single order). The Client Should be Govt / BSFI / PSU.**	No Change as per RFP
34	82	13	50% + taxes of the Servers (hardware, software and warranty) will be released on delivery of hardware. The remaining 50% + taxes of the Servers (hardware, software and warranty) will be released on commissioning, verification of bill of material by Bank/CDAC/Third party and submission of PBG. No payment will be made on part delivery of ordered hardware. Payment for AMC will be made quarterly in arrears.	Request to change payment terms as below:- 1) 70% + Taxes of the Servers (hardware, software and warranty) will be released on delivery of hardware. 2) 30% + Taxes of the Servers (hardware, software and warranty) will be released on commissioning, verification of bill of material by Bank/CDAC/Third party and submission of PBG.	No Change as per RFP
35	81	4	Delivery of all equipment should be within 8 weeks and installation, testing, commissioning within 10 weeks from date of placing of order.	Delivery of all equipment should be within 10 weeks and installation, testing, commissioning within 14 weeks from date of placing of order.	No Change as per RFP
36	64	Rack Server Category 3 => Clause # 3 : Processor	Processor -> 96 cores each socket, dual socket-192 cores (AMD EPYC 9655 or Intel Xeon 6972P)	Request you to modify as " 96 cores each socket, dual socket-192 cores (AMD **EPYC 9654** or **9655** or Intel Xeon 6972P) Justification: AMD 9654 CPU is 96 Core, 2.4 GHz, with 384 MB Cache , with TDP of 360 W while AMD 9655 is 96 Core, 2.6 GHz with 384 MB Cache, with 400 W TDP. Both CPU's are similar in performance, while 9654 consumes lesser power, which would help SBI to save on operational expense including power & Cooling expenses, while ensuring similar performance levels.	No change as per RFP
37	67	F: GPU Rack Servers Type 2 (Category 6) => Sever Type	64 cores each socket, dual socket-128 cores (AMD EPYC 9534 or Intel Xeon Platinum 8592V/8592+)	Request you to modify as " 64 cores each socket, dual socket-128 cores (AMD EPYC 9534/**9554/9575F** or Intel Xeon Platinum 8592V/8592+)" Justification: The 8 GPU Server from each OEM comes with different CPU model. The requested 9554/9575F is a higher model than asked in the RFP. Kindly allow this.	No change as per RFP
38	85	Indicative Price Bid: Appendix-F : VI => Category 5 – Rack Servers for Type 1 GPU (128 Core) (Without any GPU)	Indicative Price Bid: Appendix-F : VI => Category 5 – Rack Servers for Type 1 GPU (128 Core) (Without any GPU)	Request you to modify as "VI => Category 5 – Rack Servers for Type 1 GPU (128 Core)" Justification: Request you to remove "Without any GPU" from the price bid format As per RFP Specification, page 66 for Category 5 Server, the Server is asked with GPU & necessary license. Hence request you to remove "Without any GPU" word from the price bid format.	Please refer Corrigendum No. 1
39	85	Indicative Price Bid: Appendix-F : VII=> Category 6 – Rack servers for Type 2 GPU (128 Core) (With 8 Nvidia H200 GPU)	Indicative Price Bid: Appendix-F : VII=> Category 6 – Rack servers for Type 2 GPU (128 Core) (With 8 Nvidia H200 GPU)	Request you to modify as VII=> Category 6 – Rack servers for Type 2 GPU (128 Core) (With 8 Nvidia H200 GPU OR 8 AMD MI300X GPU) Justification: Price Bid to line to match the Specifications provided under Category 6 on Page 67 As per RFP Specification, page 67 for Category 6 Server, the Server is asked with a choice of Nvidia H200 or AMD MI 300X GPU's. Hence please provide options for both in the Price Bid	Please refer Corrigendum No. 1
40	80	Appendix-E Scope of Work and Payment Schedule 2. Description of Deliverables	The prices discovered through this RFP will be valid for a minimum period of three years from the date of initial purchase order.	Suggestions:The prices discovered through this RFP will be valid for a minimum period of 6 months from the date of initial purchase order.	Please refer Corrigendum No. 1

41	81	Appendix-E Scope of Work and Payment Schedule 4. Term of the Project - Project Schedule; Milestones and delivery locations	Delivery of all equipment should be within 8 weeks and installation, testing, commissioning within 10 weeks from date of placing of order.	Suggestions: Delivery of all equipment should be within 14 weeks and installation, testing, commissioning within 24 weeks from date of placing of order.	No Change, as per RFP
42	Page 57 of 155	APPENDIX B, Serial no 5 - Bidder's elgibility criteria	Document Proof: Copy of the order and / or Certificate of completion of the work in last five years.	We Request to amend the Clause : Document Proof: Copy of the order and / or Certificate of completion of the work in last ~~five~~ **Seven** years. **We request you add the following** : On going project also acceptable. In case of on-going project where in GO-LIVE not completed, and the Biddder have signed NDA with the Client then CA certificate signed by the bidding entity showing the value, scope of work completed should be submitted as document proof.	No Change, as per RFP
43	Page 43 of 155	(a) Holiday Listing (Temporary Debarment - suspension):	Performance issues which may justify holiday listing of the Vendor are: Vendors who have not responded to requests for quotation/tenders consecutively three times without furnishing valid reasons, if mandated in the empanelment contract (if applicable); • Repeated non-performance or performance below specified standards (including after sales services and maintenance services etc.);	We request to remove the below clause for debarment due to non-performance.Instead we suggest to consider forefeit of PBG in case of non-performance. Performance issues which may justify holiday listing of the Vendor are: Vendors who have not responded to requests for quotation/tenders consecutively three times without furnishing valid reasons, if mandated in the empanelment contract (if applicable); ~~• Repeated non-performance or performance below specified standards (including after sales services and maintenance services etc.);~~	No Change, as per RFP
44	Page 44 of 155	Debarment from participation including removal from empaneled list	Reasons which may justify debarment and/or removal of the Vendor from the list of empaneled vendors are: •The Vendor fails to abide by the terms and conditions or to maintain the required technical/operational staff/equipment or there is change in its production/service line affecting its performance adversely, or fails to cooperate or qualify in the review for empanelment; • If Vendor ceases to exist or ceases to operate in the category of requirements for which it is empaneled; • Bankruptcy or insolvency on the part of the vendor as declared by a court of law; or	We request to remove the below clause for debarment due to non-performance.Instead we suggest to consider forefeit of PBG in case of non-performance. Reasons which may justify debarment and/or removal of the Vendor from the list of empaneled vendors are: ~~•The Vendor fails to abide by the terms and conditions or to maintain the required technical/operational staff/equipment or there is change in its production/service line affecting its performance adversely, or fails to cooperate or qualify in the review for empanelment;~~ • If Vendor ceases to exist or ceases to operate in the category of requirements for which it is empaneled; • Bankruptcy or insolvency on the part of the vendor as declared by a court of law; or	No Change, as per RFP
45	Page 57 of 155	APPENDIX B, Serial no 7 - Bidder's elgibility criteria	Client references and contact details (email/ landline/ mobile) of customers for whom the Bidder has executed similar projects in India. (Start and End Date of the Project to be mentioned) in the past (At least 2 client references are required)	We understand similar projects need not be banking project. It can be any projects like smart city/safe city/telecommunication/metros/airports/railways etc. Kindly confirm.	No Change as per RFP, Similar projects acceptable
46	Page no 80 of 155	Appendix-E: Scope of Work and Payment Schedule, Serial no 1 - Description of Services	6. The price discovered through this RFP will be valid for State Bank Group (SBG) and any group entity and SBI department can place additional purchase order (quantities over 125% of 2395) servers for additional quantity. The SLA and PBG will be separate for such projects.	Request the Point of Valid for the Entire State Bank Group top be Deleted (Because : The Price discovered in this RFP Is basis the Qty And is very specific to this RFP) We request this cannot be applied to Group companies of SBI which may have smaller qty of Servers Requirement	No Change, as per RFP
47	Page 80 of 155	Appendix- E, Scope of Work and Payment Schedule, Serial no 2 - Description of Deliverables	The prices discovered through this RFP will be valid for a minimum period of three years from the date of initial purchase order.	Providing the price validity for 3 years is highly impossible, as most of the OEMs are providing their price validity maximum of 180 days. Hence we request to consider the placement of balance 60% order within 6 months of inital PO or request to incorporate the dollar escalation clause in the RFP.	Please refer Corrigendum No. 1
48	Page 40 of 155	43. LIQUIDATED DAMAGES:	liquidated damages a sum equivalent to 0.5% of total Project Cost for delay of each week or part thereof maximum up to 5% of total Project Cost	We request to consider the Liqudiated damages penalty on the undelivered portion of products and services. Accordingly we request to modify the clause as: liquidated damages a sum equivalent to 0.5% of total Project Cost of the **undelivered portion of supply/services** for delay of each week or part thereof maximum up to **10** % of total Project Cost of **undelivered portion of supply/services**	No Change as per RFP
49	Page no 81 of 155	Appendix-E: Scope of Work and Payment Schedule, serial no 4	Term of the Project - Project Schedule; Milestones and delivery locations: Delivery of all equipment should be within 8 weeks and installation, testing, commissioning within 10 weeks from date of placing of order.	We request you to consider: Delivery of all equipment should be within ~~8 weeks~~ **16 weeks** and installation, testing, commissioning within ~~10 weeks~~ **20 weeks** from date of placing of order.	No Change as per RFP
50	Page no. 82 of 155	Appendix-E: Scope of Work and Payment Schedule, serial no 13	Payment Schedule: 50% + taxes of the Servers (hardware, software and warranty) will be released on delivery of hardware. The remaining 50% + taxes of the Servers (hardware, software and warranty) will be released on commissioning, verification of bill of material by Bank/CDAC/Third party and submission of PBG. No payment will be made on part delivery of ordered hardware. Payment for AMC will be made quarterly in arrears.	**Request to change payment terms as below:-** 1) **70%** + Taxes of the Servers (hardware, software and warranty) will be released on delivery of hardware on a pro-rata basis. 2) **30%** + Taxes of the Servers (hardware, software and warranty) will be released on commissioning, verification of bill of material by Bank/CDAC/Third party and submission of PBG. Payment for AMC will be made quarterly in arrears.	No Change as per RFP
51	Page 81 of 155	Appendix-E: Scope of Work and Payment Schedule, serial no 6	Integration/Migration Requirements with existing systems: Yes, New hardware should be integrated with old platform without any additional cost to the Bank.	We understand the Bidder is responsible for Integration of New Hardware with old platform only and not responsible for Migration. Please clarify?	No Change as per RFP, Bidder is not responsible for migration.

#	#	Clause	Existing Clause	Suggested Change / Justification	Bank Response
52	69	Operating System for Category 6 Server	Should be Compatible with Latest Windows server, Red Hat Linux/Openshift and VMware ESXi Server version 7.0 U3/VCF 4.5.2 and all later/upgraded/higher versions. Also, the supplied hardware should support all version upgrades coming in next 7 years. If hardware supplied by selected OEM is not compatible with these releases during 7 years from date of commissioning, bidder need to replace hardware with compatible VMware, Windows server, Red Hat Linux/Openshift release without any additional cost to the Bank.	Kindly modify this as " Should be Compatible with Red Hat Linux/Openshift and VMware ESXi Server version 7.0 U3/VCF 4.5.2 OR all later/upgraded/higher versions. Also, the supplied hardware should support all version upgrades coming in next 7 years. If hardware supplied by selected OEM is not compatible with these releases during 7 years from date of commissioning, bidder need to replace hardware with compatible VMware, Red Hat Linux/Openshift release without any additional cost to the Bank." Justification: 1) As per Broadcom notifcation, VMware vSphere 7.0, including ESXi 7.0 and vCenter Server 7.0, would reach EOS in a few months - by October 2, 2025. This means that after this date, VMware will no longer provide general support, security patches, or updates for vSphere 7.0. Hence the newly launched 8 GPU server is certified with VmWare 8.0 onwards. Kindly allow VmWare 7.0 U3 OR above versions (Or Vmware 8.0 AND higher versions) Reference Link: https://knowledge.broadcom.com/external/article/372953/announcing-end-of-support-life-for-vsphe.html 2) Windows Server OS is a general purpose OS, and not qualified on 8 GPU Server which is meant for AI ML Workloads. Most of the customers deploy Redhat Linux/Openshift or VmWare on such dense GPU Server for AI ML workloads. Hence kindly remove this requirement from Category 6 Server	Please refer Corrigendum No. 1
53	68	F: GPU Rack Servers Type 2 (Category 6) => Clause # 14 =>rExpansion Slots	Minimum 10 PCIe 5.0 Type based x16 Slots supporting Ethernet, FC adapters for each server.	Request you to modify as "Minimum 10 PCIe 5.0 Type based x16 Slots supporting Ethernet adapters for each server" Justification: In AI use case, the dense GPU Server, typically uses Ethernet adapters of 100 / 200 Gig speed for Storage traffic. Since AI Applications need access to huge amount of data for training and fine tuning etc, FC adapter (which supports max of 32 or 64 Gig speed per port) is a limiting factor. Hence request you to remove "FC Adapter" from this clause. Also, in this RFP, for each Category 6 Server, Front end network adapter with 2 x 200 Gig port is asked for In-band + Storage network, which ensures that there is not network bottleneck for Storage access.	Please refer Corrigendum No. 1
54	66	E: GPU Rack Servers Type 1 (Category 5) => Clause#4 : GPU	Server should support minimum two NVIDIA H100 Tensor Core GPU card or Intel® Data Center GPU Max 1100 or AMD Instinct™ MI300X. 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.	Request you to modify as " Server should support minimum two NVIDIA H100 NVL 94 GB Tensor Core GPU card or Intel® Data Center GPU Max 1100 or AMD Instinct™ MI300X. 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." Justification H100 GPU is available in 2 varients - one with 80 GB GPU Memory & latest H100 NVL which comes with 94 GB GPU Memory. The H100 80 GB is near End of Sale. Hence request the bank to change the specification to H100 NVL with 94 GB RAM to be provided along with this server. Below is a comparison of H100 80 GB vs H100 NVL 94 GB H100 NVL => 94 GB HBM3 Memory / GPU, 528 Tensor Cores / GPU, 16896 FP32 Cores / GPU H100 => 80 GB HBM2e Memory / GPU, 456 Tensor Cores / GPU, 14592 FP32 Cores / GPU.	Please refer Corrigendum No. 1
55	61	A. Blade Server (Category 1) -> Clause # 12: Industry Standard Compliance	ACPI 5.1 Compliant, PCIe 5.0 Compliant; WOL/equivalent technology Support; Microsoft/VMware/RHEL Logo Certifications; USB 3.0 support or better.	Request you to modify the clause as " ACPI 5.1 Compliant, PCIe 4.0 / 5.0 Compliant; WOL/equivalent technology Support; Microsoft/VMware/RHEL Logo Certifications; USB 3.0 support or better." Justification: As per Clause # 10, Expansion slots, PCI 4.0 / 5.0 is allowed. Kindly update this point as well.	Please refer Corrigendum No. 1

#	Pg	Section	Clause	Query / Suggestion	Response
56	67	F: GPU Rack Servers Type 2 (Category 6) => Quantity	Clause#2 : Quantity : 32	Clarification Required: Will all the 32 x 8 GPU Server would be installed in the same Data Center ? if yes, which location. Please confirm the # of 8 GPU Servers in each DC in case of breakup.. This is required to determine the Quantity of switches required in each DC as well as to design front-end & back-end network (GPU to GPU network) for respective DC Site.	No change as per RFP, bank will decide in future as per requirement.
57	68	F: GPU Rack Servers Type 2 (Category 6) => Ethernet Controller	Backend: - 8x400G per server (GPU to GPU using InfiniBand/Ethernet switches and CX7 NIC). The InfiniBand/Ethernet switches needs to be supplied by bidder	Clarification required: The network design has a considerable influence on the overall performance of an AI/ML cluster, especially the backend GPU to GPU network is very critical for AI ML Networks. A two-tier, spine-switch-leaf-switch design dedicated for GPU to GPU network provides the lowest latency and scalability. Hence, please confirm, that the back end need to be designed with end to end non-blocking architecture using LEAF & SPINE design, such that all 256 GPU can communicate at 400 Gbps to other GPUs concurrently.	No change, as per RFP
58	68	F: GPU Rack Servers Type 2 (Category 6) => Ethernet Controller	Frontend: - In band + Storage Network:- 2 * 200 G Nvidia BF3 NIC per Server. The 2x200 G network should be splitable 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 must provide suitable intermediary switches to connect with Top of the Rack Switch.	Request you to modify as "Frontend: - In band + Storage Network:- 2 * 200 G Nvidia BF3 OR CX7 NIC per Server. The 2x200 G network should be splitable 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 must provide suitable intermediary switches to connect with Top of the Rack Switch. Justificaiton: Both BF3 and CX7 Card offers same bandwith to the front end network. While CX7 is ASIC based SmartNIC, BF Series is SoC based SmartNIC & there is no performance impact for front end network. Hence reqeust you to allow the bidder to either quote with 2 x 200 Gig BF3 card or 2 x 200 Gig CX7 card.	Please refer Corrigendum No. 1
59	85	Indicative Price Bid: Appendix-F :	(see table)	Suggestions: (see table) Justifications: The Price Bid should match the specifications. Since the Specification mentions to Quote Either of the GPUs, the Price Bid should also ask for Either of the GPUs since the Bidder will supply only one type of GPU. Also separated the GPUs as a separate line for rate dicovery	Please refer Corrigendum No. 1
60	80	Appendix-E Scope of Work and Payment Schedule 2. Description of Deliverables	The prices discovered through this RFP will be valid for a minimum period of three years from the date of initial purchase order.	Suggestions: The prices discovered through this RFP will be valid for a minimum period of three years from the date of initial purchase order.	Please refer Corrigendum No. 1
61	81	Appendix-E Scope of Work and Payment Schedule 8. Scalability Requirements	Rate discovered will be valid for three years from the date of initial Purchase order and if there are requirements, Bank may place additional order for hardware up to 25% quantity for which RFP is floated. The additional 25% quantity may be of any category/categories of the Servers/GPU.	Suggestions: Rate discovered will be valid for one year from the date of initial Purchase order and if there are requirements, Bank may place additional order for hardware up to 25% quantity for which RFP is floated. The additional 25% quantity may be of any category/categories of the Servers/GPU.	Please refer Corrigendum No. 1
62		Appendix-E 3Third-Party Components	The servers supplied as part of this procurement must support current and upcoming VMware (Broadcom) softwares/RHEL OS/ Windows Server OS/similar software used in Meghdoot during the currency of the project. In case VMware software RHEL OS/ Windows Server OS/similar software does not support any or entire hardware, the same must be replaced without any cost.	What are current and Upcoming versions in Meghdoot fot VMware softwares, RHEL OS, Windows servers and other similar softwares ? Basis these inputs we would be able to check compatibiltiy and recommend the correct server models.	No Change, as per RFP Upcoming versions will be Vmware VCF 4.5.2 and later, RHEL 9.x and later, Windows 2022 and later versions.

Row 59 original clause table:

Sr. No.	Item	Quantity
VI	Category 5 – Rack Servers for Type 1 GPU (128 Core) (Without any GPU)	28
VII	Category 6 – Rack servers for Type 2 GPU (128 Core) (With 8 Nvidia H200 GPU)	32
VIII	Nvidia H100 (80 GB)	56
IX	Nvidia H200	56
X	Nvidia L40S (48 GB)	56
XI	Intel® Data Center GPU 1100	56
XII	AMD Instinct™ MI300X	56
XIII	Nvidia AI Enterprise License for 7 years	312

Row 59 suggestion table:

Sr. No.	Item	Quantity
VI	Category 5 – Rack Servers for Type 1 GPU (128 Core) (Without any GPU)	28
VII	Nvidia H100 (80 GB) OR Intel® Data Center GPU Max 1100 OR AMD Instinct™ MI300X with associated Licenses	56
VIII	Category 6 – Rack servers for Type 2 GPU (128 Core) (Without any GPU)	32
IX	8 Nvidia H200 OR 8 AMD MI300X with associated Licenses	32
X	Remove Nvidia L40S (48 GB) - Not part of Specifications	
XI	Remove Intel® Data Center GPU Max 1100 - Included in VII	
XII	Remove AMD Instinct™ MI300X - Included in VII	
XIII	Remove Nvidia AI Enterprise License for 7 years - Included in VII	

63		Appendix-E 4. Term of the Project - Project Schedule; Milestones and delivery locations	Delivery of all equipment should be within 8 weeks and installation, testing, commissioning within 10 weeks from date of placing of order. Delivery Location: •Sify, Rabale :blade servers +rack servers •CtrlS, Mahape:blade servers +rack servers •Gachibowli, Hyderabad: blade servers + rack servers •Any other data centres in any other city without any additional cost. Bank will confirm the quantities being supplied at each site through the Purchase order.	Due to demand , supply issue, GPU servers delivery would be delayed. Post PO, When we load the order, it would need 12 weeks for us to deliver equipments. 2375 Server delivery, inspection, shifting in assigned areas, racking , stacking, power on tests, co-ordination with banks data center provider for required support, testing , acceptance at different locations which would be clear after PO if are non metro locations adds further delay. Request bank to optimse the commissioning time to 22 weeks from PO date. If Guest OS , Hypervisor installation is in scope, need this commissioning time (as also needs to be integrated with existing syste,) to be 26 weeks from PO Date.	No Change as per RFP
64		Appendix-E 6. Integration/Migration Requirements withexisting systems	Yes, New hardware should be integrated with old platform without any additional cost to the Bank	Does bank expect VMware Hypervisor installation , RHEL OS , MS windows OS installation on these servers in bidder scope, If yes, please provide OS wise count across each site. This would help estimate efforts correctly.	No Change as per RFP, Bidder is not responsible for Hypervisor/OS installation and migration of data.
65		12. Training	Training to minimum 5 Bank officials and two vendor partners for 5 days regarding daily operations, troubleshooting and Management of Hardware supplied. No additional cost will be borne by Bank on this training	How many team members from each vendor need to be trained for these two vendors. Pls confirm the Training is Onsite / Remote and the Location of Training (Mumbai or HYD)	No Change as per RFP, Training can be onsite/Remote as per Bank's requirement
66	31	29.WARRANTY AND ANNUAL MAINTENANCE CONTRACT:	vi.Support (Warranty/ AMC, if included in the RFP) would be on-site and comprehensive in nature and must have back to back support from the OEM/Service Provider. Undertaking on the lines of Appendix-H of this RFP document is required to be submitted by Service Provider, duly endorsed by the OEM that in case Service Provider fails to provide Services then OEM shall provide the same at no extra cost, to the satisfaction of the Bank. Service Provider warrants Products against defect arising out of faulty design, materials, etc. during the specified support period. Service Provider will provide support for operating systems and other pre-installed software components/system software during the specified period of the hardware on which these software and operating system will be installed. Service Provider shall repair or replace worn out or defective parts including all plastic parts of the Equipment at his own cost including the cost of transport.	As per Appendix E (Page 79) 1. descipriton of services : The post commissioning (day-2) operations will be handled by the existing vendor team. Request bank to clarify, if Guest Operating system support be in existing vendor or bidder team?	No Change as per RFP, Bidder is not responsible for Hypervisor/OS installation and migration of data.
67			vii.In the event of system break down or failures at any stage, protection available, which would include the following, shall be specified. (a)Diagnostics for identification of systems failures (b)Protection of data/ Configuration (c)Recovery/ restart facility (d)Backup of system software/ Configuration	Request Bank to Delete this Clause : As existing RFP Clause is Related to Day 2 Operations & Support Team of the Bank	No Change as per RFP
68			3.Delivery Delay: If the vendor fails to deliver any or all equipment within 8 weeks from the date of issuance of the Purchase Order, a penalty of 0.5% of the total equipment cost per week (or part thereof) will be imposed, up to a maximum of 10% of the total equipment cost. The total penalty amount will be deducted from the final payment after the successful delivery of hardware.	3.Delivery Delay: If the vendor fails to deliver any or all equipment within 12 weeks from the date of issuance of the Purchase Order, a penalty of 0.5% of the total equipment cost per week (or part thereof) will be imposed, up to a maximum of 10% of the total equipment cost. The total penalty amount will be deducted from the final payment after the successful delivery of hardware.	No Change as per RFP
69			Commissioning Delay: If the equipment is not installed, tested, and commissioned within 10 weeks from the date of issuance of the Purchase Order, an additional penalty of 0.5% of the total equipment cost per week (or part thereof) will apply, subject to a maximum of 10% of the total equipment cost. This amount of the penalty so calculated shall be deducted at the time of making final payment after successful installation and commissioning of hardware.	Commissioning Delay: If the equipment is not installed, tested, and commissioned within 22 weeks from the date of issuance of the Purchase Order, an additional penalty of 0.5% of the total equipment cost per week (or part thereof) will apply, subject to a maximum of 10% of the total equipment cost. This amount of the penalty so calculated shall be deducted at the time of making final payment after successful installation and commissioning of hardware.	No Change as per RFP

70			(k)Preventive maintenance: Vendor shall conduct preventive maintenance (including but not limited to inspection, testing, satisfactory execution of all diagnostics, cleaning and removal of dust and dirt from the interior and exterior of the Equipment, and necessary repair of the Equipment) once within first 15 days of the installation once within the first 15 days of every alternate month during the currency of the Contract on a day and time to be mutually agreed upon. Notwithstanding the foregoing Vendor recognizes the Bank's operational needs and agrees that the Bank shall have the right to require Vendor to adjourn preventive maintenance from any scheduled time to a date and time not later than 15 working days thereafter.	Request Bank to Reconsider : Preventive Maintenance Clause is a Part of Ongoing Day 2 Operations Scope of Bank vendor hence request bank to delete this clause from Bidder scope of work ? Dusting and cleaning does not qualify in data centers - as tier 4 and tier 3 data centers have environmental conditions well maintained.	Please refer Corrigendum No. 1
71	31	Point 28 Services Sub point : vi	Service Provider shall provide maintenance support for the Product including embedded software/ OS/ middleware etc over the entire period of Contract.	Request bank to Confirm: Operating sytem & Middleware is OUT OF SCOPE from the Bidder Scope of work ? (wrt Installation and support perspective) ?	No Change as per RFP, Bidder is not responsible for Hypervisor/OS installation and migration of data.
72	31	Point 28 Services Sub point : ix	Service Provider shall keep the Bank explicitly informed the end of support dates on related Products including embedded software/ OS/ middleware etc should ensure support during warranty and AMC/ATS/S&S.	Request bank to Confirm: Operating sytem & Middleware is OUT OF SCOPE from the Bidder Scope of work ? (wrt Installation and support perspective) ?	No Change as per RFP, Bidder is not responsible for Hypervisor/OS installation and migration of data.
73	73	Technical Specifications . H RACKS	d. Minimum Power Limit: The Minimum power limit of each chassis should be 10 kVA to accommodate the power needs of the equipment, ensuring that the rack can handle the required load.	Request SBI Bank to confirm that Max Rated POWER per Rack which can be Considered in KVA for each Rack ? At present : for existing Racks , what is the Actual KVA per rack Consumed ? This data is required so that we can position optimium Blade/ rack chassis/ servers per rack	Please refer Corrigendum No. 1
74	82	Scope of Work & Payment Services Scalability Requirement Point 8	The rate determined through this RFP will be applicable to other departments of the bank, as well as its subsidiaries, joint ventures, offices, and foreign subsidiaries. These entities may place separate purchase orders for additional quantities beyond the 125% limit specified in this RFP. Each entity will have its own Service Level Agreement (SLA) and payment cycle based on this RFP & SLA	Request Bank to delete this clause as Prices for this RFP are basis the scale / Qty determined and the SBI group (Associate companies may not have this scale of requirement)	No Change as per RFP
75	82	Scope of Work & Payment Services Scalability Requirement Point 8	The rate determined through this RFP will be applicable to other departments of the bank, as well as its subsidiaries, joint ventures, offices, and foreign subsidiaries. These entities may place separate purchase orders for additional quantities beyond the 125% limit specified in this RFP. Each entity will have its own Service Level Agreement (SLA) and payment cycle based on this RFP & SLA	Clarification From Bidder : this clause will be applicable for the specific configuration mentioned in this RFP for SBI Associate companies / Group and for the Exact mentioned qty as mentioned in this RFP Request Bank confirmation on this clause ?	No Change as per RFP
76	80	Appendix-E Scope of Work and Payment Schedule 2. Description of Deliverables	The prices discovered through this RFP will be valid for a minimum period of three years from the date of initial purchase order.	Ref to RFP Page 20 : Clause Price Validity Point 13 Point ii : SAYS : Price quoted by the Bidder in Reverse auction shall remain valid for duration of 24 calendar months from the date of Purchase order. Looking at this clause:and the Clause Ref to Page 80 Point 2 have a descrepancy on the term of Price Validity as it says 3 years . Please Change Price Validity is to 1 Years fromthe Date of PO Issuance ?	Please refer Corrigendum No. 1
77	19	11. DEADLINE FOR SUBMISSION OF BIDS	i. Bids must be submitted online on portal of Government e Marketplace i.e. https://gem.gov.in by the date and time mentioned in the "Schedule of Events".	**Query:** We are not able to locate the GeM number for this bid in the document. We request Bank to provide the GeM number.	Please refer Corrigendum No. 1
78	20	13. PERIOD OF BID VALIDITY AND VALIDITY OF PRICE QUOTED IN REVERSE AUCTION (RA):	ii. Price quoted by the Bidder in Reverse auction shall remain valid for duration of 24 calendar months from the date of Purchase order	**Change Request:** ii. Price quoted by the Bidder in Reverse auction shall remain valid for duration of 24 calendar months from the date of Purchase order **or 27 calendar months from the date of bid submission.** We request the Bank that, in case there is a delay / there is a long gap between bid submission and Purchase Order, a cap of 3 months be considered.	No Change as per RFP
79	56	Appendix-B Bidder's Eligibility Criteria	6. The bidder should either be class I or class II local supplier or non-local supplier as per the guidelines on Public Procurement (preference to make in India) order 2017 and subsequent amendments thereof. Certificate of local content to be submitted as per Appendix-G only for Class I or Class II local supplier	**Query:** We request bank to clarify that, a bid with non-local supplier having local content is less than 20% declared in Appendix G will be considered as qualified bid.	No Change as per RFP, Yes it will be considered

#	Ref	Category	Specification	Query	Response
80	60 63 64 65 66 67	A. Blade Servers (Category 1) B. Rack Servers (Category 2) C. Rack Servers (Category 3) D: Rack Servers (Category 4) E: GPU Rack Servers Type 1 (Category 5) F: GPU Rack Servers Type 2 (Category 6)	Processor AMD EPYC 9254 or Intel Xeon Gold 6542Y (24 cores each socket, dual socket-48 cores) Processor 64 cores each socket, dual socket-128 cores (AMD EPYC 9534 or Intel Xeon Platinum 8592V/8592+) Processor 96 cores each socket, dual socket-192 cores (AMD EPYC 9655 or Intel Xeon 6972P) Processor AMD EPYC 9254 or Intel Xeon Gold 6542Y (24 cores each socket, dual socket-48 cores) Server Type 64 cores each socket, dual socket-128 cores (AMD EPYC 9534 or Intel Xeon Platinum 8592V/8592+) Server Type 64 cores each socket, dual socket-128 cores (AMD EPYC 9534 or Intel Xeon Platinum 8592V/8592+)	**Query:** We request bank to clarify if all the servers supplied, to all locations. during the entire contract period, have to be of the same processor make. Either all processors AMD or all processors Intel.	No Change as per RFP, All servers in each category should have same processor througout the contract period, however different categories can have mix of AMD/Intel Processors.
81	60 63 64 65 66 67	A. Blade Servers (Category 1) B. Rack Servers (Category 2) C. Rack Servers (Category 3) D: Rack Servers (Category 4) E: GPU Rack Servers Type 1 (Category 5) F: GPU Rack Servers Type 2 (Category 6)	Processor AMD EPYC 9254 or Intel Xeon Gold 6542Y (24 cores each socket, dual socket-48 cores) Processor 64 cores each socket, dual socket-128 cores (AMD EPYC 9534 or Intel Xeon Platinum 8592V/8592+) Processor 96 cores each socket, dual socket-192 cores (AMD EPYC 9655 or Intel Xeon 6972P) Processor AMD EPYC 9254 or Intel Xeon Gold 6542Y (24 cores each socket, dual socket-48 cores) Server Type 64 cores each socket, dual socket-128 cores (AMD EPYC 9534 or Intel Xeon Platinum 8592V/8592+) Server Type 64 cores each socket, dual socket-128 cores (AMD EPYC 9534 or Intel Xeon Platinum 8592V/8592+)	**Query:** The contract period is 3 years after sign-off. The processors mentioned may not be available for the entire project timeline. Please confirm if a newer processor can be supplied in such a scenario.	No Change as per RFP, The bank may consider accepting a higher configuration or an upgraded processor, subject to the original processor reaching end-of-support and to the bank's satisfaction with the justification provided. The final decision shall rest with the bank
82	62 67 68	A. Blade Servers (Category 1) 7 Internal Storage E: GPU Rack Servers Type 1 (Category 5) 12 Internal Storage F: GPU Rack Servers Type 2 (Category 6) 12 Internal Storage	4 x 3.xx TB high performance NVME.(vSAN ESA certified nodes) 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.	**Query:** We request bank to mention the endurance of the SSDs in DWPD which should be quoted.	No Change as per RFP
83	62 68	A. Blade Servers (Category 1) 16 Warranty/AMC For all the categories of the servers mentioned above i.e. from Category 2 to Category 6, 6 Warranty/AMC	All the disk/SSD/NVME components (Data Drives) including faulty disk components will be property of the bank and will not be returned to OEM/SI All the disk/SSD/NVME components (Data Drives) including faulty disk components will be property of the bank and will not be returned to OEM/SI.	**Query:** We request bank to mention the endurance of the SSDs in DWPD which should be quoted. If the SSDs wear-out, before the warranty is over, what shall be Bank's requirement?	No Change as per RFP,
84	62	A. Blade Servers (Category 1) 16 Warranty/AMC	Highest Level of Proactive and Reactive support covering Half yearly Firmware analysis, and Proactive Health analysis.	**Query:** We request bank to clarify if this support and analysis can be delivered remotely.	No Change as per RFP, OEM Remote support through Microsoft Teams is acceptable.
85	62	A. Blade Servers (Category 1) 16 Warranty/AMC	All the disk/SSD/NVME components (Data Drives) including faulty disk components will be property of the bank and will not be returned to OEM/SI	**Query:** We request bank to clarify if the clause is applicable only to A. Blade Servers (Category 1) or to all servers	No Change as per RFP, The clause is applicable to all servers
86	62	A. Blade Servers (Category 1) 16 Warranty/AMC	Highest Level of Proactive and Reactive support covering Half yearly Firmware analysis, and Proactive Health analysis.	**Query:** We request bank to clarify if the clause is applicable only to A. Blade Servers (Category 1) or to all servers	No Change as per RFP, The clause is applicable to all servers
87	66 67	E: GPU Rack Servers Type 1 (Category 5) F: GPU Rack Servers Type 2 (Category 6)	Server should support minimum two NVIDIA H100 Tensor Core GPU card or Intel® Data Center GPU Max 1100 or AMD Instinct™ MI300X. Each Node must be configured with Nvidia 8 x H200 141 GB GPUs (SXM) connected via Nvidia Nvlink with NV Switch or AMD Instinct 8 x MI300X 192 GB GPUs (OAM) connected via AMD Infinity Fabric.	**Query:** The contract period is 3 years after sign-off. The processors mentioned may not be available for the entire project timeline. Specific to GPUs, the roll-over model will be available at a much different cost and is not possible to predict this cost at the time of bid summary.	The bank may consider accepting a higher configuration or an upgraded processor, subject to the original processor reaching end-of-support and to the bank's satisfaction with the justification provided. The final decision shall rest with the bank

88	66 67	E: GPU Rack Servers Type 1 (Category 5) F: GPU Rack Servers Type 2 (Category 6)	Server should support minimum two NVIDIA H100 Tensor Core GPU card or Intel® Data Center GPU Max 1100 or AMD Instinct™ MI300X. Each Node must be configured with Nvidia 8 x H200 141 GB GPUs (SXM) connected via Nvidia Nvlink with NV Switch or AMD Instinct 8 x MI300X 192 GB GPUs (OAM) connected via AMD Infinity Fabric.	**Change Request:** The NVIDIA GPUs H100 is currently not available. H200 will be announced End of Sale very soon. The current generatioin is Blackwell architecture. Same way, the current generation AMD GPUs are MI350X and MI400X upcoming. We request bank to make changes as per NVIDIA and AMD current GPU availability.	No Change as per RFP
89	66 67	E: GPU Rack Servers Type 1 (Category 5) F: GPU Rack Servers Type 2 (Category 6)	(including Nvidia AI enterprise / equivalent)	**Query:** We request bank to specify the software stack to be bundled with AMD GPUs if any	No Change as per RFP, All required software should be included.
90	66 67	E: GPU Rack Servers Type 1 (Category 5) F: GPU Rack Servers Type 2 (Category 6)	(including Nvidia AI enterprise / equivalent)	**Query:** We request bank to clarify if the warranty and AMC should cover support for such software stack also.	No Change as per RFP, AMC should cover support for such software stack also which are coming with server.
91	66 67	E: GPU Rack Servers Type 1 (Category 5) F: GPU Rack Servers Type 2 (Category 6)	(including Nvidia AI enterprise / equivalent)	**Clarification Sought:** We understand, NVIDIA AI Enterprise licences are only to be supplied. Deploying, Configuring, creating MIG etc. activities are not part of the scope. Kindly confirm or provide inputs such that bidder can factor adequate services, time & effort and costs.	No Change as per RFP. Only for GPU servers deployment, configurations, creating MIGs etc. activities are part of the scope for initial implementation
92	73	H: RACK	Rack 1. 42U OEM Rack:	**Query:** We request bank to clarify if, the term "OEM Rack" implies rack should be from the same OEM as server OEM?	No Change as per RFP, Rack can be from different OEM
93	80	Appendix-E Scope of Work and Payment Schedule 2 Description of Deliverables	Bank may place the purchase order of entire quantity in one go or in multiple/split Purchase order spread over next three years. The prices discovered through this RFP will be valid for a minimum period of three years from the date of initial purchase order.	**Change Request:** We request bank to consider price increase due to $ / INR fluctuation after 6 months of first PO. Predicting/Hedging $ price for 3 years of period is not possible. Hence this request.	No Change as per RFP
94	80	Appendix-E Scope of Work and Payment Schedule 3 Third-Party Components	Should be integrated with Netapp Storage and any other brand storage and VMware softwares	**Query:** We request bank to elaborate the scope of VMware software. Or clarify if the scope is limited to supporting bank for VMware vSphere installation.	No Change as per RFP, Scope is limited to Vmware Cloud Foundation stack.
95	80	Appendix-E Scope of Work and Payment Schedule 3 Third-Party Components	The servers supplied as part of this procurement must support current and upcoming VMware (Broadcom) softwares/RHEL OS/ Windows Server OS/similar software used in Meghdoot during the currency of the project.	**Query:** We request bank to specify the clause "similar software". We need this information so that we can take back-2-back interoperability confirmation from OEM for the hardware supplied.	No Change as per RFP.
96	81	Appendix-E Scope of Work and Payment Schedule 4 Term of the Project - Project Schedule;	Delivery of all equipment should be within 8 weeks and installation, testing, commissioning within 10 weeks from date of placing of order.	**Clarification Sought:** We understand, 8 week delivery (and 10 week installation) clause does not apply to GPUs. GPUs supply situation continues to be tight due to wide-spread adoption of AI. Hence this request.	No Change as per RFP
97	81	Appendix-E Scope of Work and Payment Schedule 6 Integration / Migration Requirements with existing systems	Yes, New hardware should be integrated with old platform without any additional cost to the Bank.	**Query:** We request bank to provide details of the integration with the old platform that the bank is looking at. Are there more activities in addition to connectivity to existing switching and power setup?	No Change as per RFP. The existing platform is VMware Cloud Foundation (VCF) based.
98	81	Appendix-E Scope of Work and Payment Schedule 6 Integration / Migration Requirements with existing systems	Yes, New hardware should be integrated with old platform without any additional cost to the Bank.	**Clarification Sought:** We request bank to confirm that adequate active ports with transceivers will be available on bank's SAN and LAN switches. Bidder does not have to provide ports/transceivers/activation licences etc.	No Change as per RFP. SAN and LAN ports are under Bank's scope.
99	82	Appendix-E Scope of Work and Payment Schedule 12 Training	Training to minimum 5 Bank officials and two vendor partners for 5 days regarding daily operations, troubleshooting and Management of Hardware supplied. No additional cost will be borne by Bank on this training	**Clarification Sought:** We understand, the training will be provided by bidder. OEM training is not to be factored. Kindly confirm or provide inputs.	No Change as per RFP. Training to be provided by OEM.

100	85	Appendix-F Indicative Price Bid	IX Nvidia H200 Qty=56 X Nvidia L40S (48 GB) Qty=56	**Query**: We request bank to clarify the server in which these GPUs will be populated. As we understand, the type 6 servers are to be supplied with GPUs (hence no slot, no mix-math) Also we understand, there are no other server specification stating compatibility for H200, L40S	No Change as per RFP, The L40 S card to be compatible with Category 2,3 and 4 Rack servers.
101	85	Appendix-F Indicative Price Bid	VIII Nvidia H100 (80 GB) 56 IX Nvidia H200 56 X Nvidia L40S (48 GB) 56 XI Intel® Data Center GPU Max 1100 56 XII AMD Instinct™ MI300X 56	**Change Request**: These GPUs are either End of Sale or are likely to reach End of Sale by the time PO is released. We request bank to specify GPUs of current as well as upcoming generation to ensure that supplies can take effect.	No Change as per RFP.
102	85	Appendix-F Indicative Price Bid	XIII Nvidia AI Enterprise License for 7 years Qty 312	**Clarification Sought** We request bank to re-confirm that, in case of Intel or AMD GPUs are supplied, no such licences are to be provided. Kindly confirm or clarify.	No Change as per RFP. Software License is required for all type of GPU servers.
103	97	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 earlier and AMC for further 24 months	**Query**: We understand, for the balance 50% payment also will be processed on installation or 3 months from delivery, whichever is earlier.	No Change as per RFP.
104	100	Appendix–L Other Terms and Penalties	3 If server is not performing as per specifications and performance requirements given in the RFP	**Change Request**: There are no performance parameters associated to the hardware supplied. We request bank to relax this clause. **OR** Please provide the performance parameters to be considered so we can take confirmation from OEM also.	No Change as per RFP.
105	130	ANNEXURE-A Other Terms and Penalties		**Clarification Sought:** We understand, wherever the terms in the main section of the RFP are different from Annexure-A, all the terms and penalties specified in the main section of the RFP shall prevail. *for instance*, **As per main section:** warranty = maximum 2 hours response time with 6 hours Call to Resolution including part replacement **As per Annexure-A:** Vendor shall ensure that faults and failures intimated by the Bank as above are set right within 4 hours of being informed of the same	Please refer Corrigendum No. 1
106	132	ANNEXURE-A Other Terms and Penalties	(s) Table showing Resolution Time & Penalty Within four hours - Nil Beyond four hours up to twelve hours - Rs. 50,000 per instance	**Change Request**: Please change the table to reflect 6 hour call to resolution mentioned in the main RFP Within ~~four~~ six hours - Nil Beyond ~~four~~ six hours up to twelve hours - Rs. 50,000 per instance	Please refer Corrigendum No. 1
107	132	ANNEXURE-A Other Terms and Penalties	(w) The maximum response time for a technical support ticket .... **Within 30 minutes** Nil **Beyond 30 minutes up to one hour** Rs. 50,000 per instance **Beyond one hour** Rs. 1,00,000 per hour	**Change Request**: Please change the table to reflect 2 hour response mentioned in the main RFP Please change to **Within ~~30 minutes~~ 2 hours Nil** And the below as per bank's best practice **Beyond 2 hours up to ___ hour** Rs. 50,000 per instance **Beyond __ hour** Rs. 1,00,000 per hour	No Change as per RFP.
108	78	Description of Services, 3	In the event of Bank engaging the services of CDAC/any other party for inspection and testing of the supplied material, the bidder should ensure the presence of OEM engineer and successfully demonstrate that all equipment, software and services under this RFP have been delivered	Please share the testing criteria	No Change as per RFP. During testing, RFP sepecification will be verified.
109	79	Description of Services, 7	Bank will procure minimum 40% servers of the quantity mentioned in first year	please share the timelines for procurement of remaining 60% quantity	No Change as per RFP. Bank may procure remaining hardware within 2 years from the date of initial PO
110	80	Third-Party Components	Should be integrated with Netapp Storage and any other brand storage and VMware softwares The servers supplied as part of this procurement must support current and upcoming VMware (Broadcom) softwares/RHEL OS/ Windows Server OS/similar software used in Meghdoot during the currency of the project. In case VMware software RHEL OS/ Windows Server OS/similar software does not support any or entire hardware, the same must be replaced without any cost.	Requesting to let us know the VMWAre vesions details as older version of the VMWare may not support the latest generation H/W , per per VMWare compatibility matrix.	No Change as per RFP. The hardware should support the current and all upcoming versions of mentioned softwares within currency of the contract. In case hardware does not support the existing or new software versions, then hardware has to be replaced with compatible hardware.

111	81	Term of the Project - Project Schedule; Milestones and delivery locations	Delivery of all equipment should be within 8 weeks and installation, testing, commissioning within 10 weeks from date of placing of order.	Requsting to change timeline to 12 & 16 weeks from the date of PO.	No Change, as per RFP.
112	81	Integration / Migration Requirements with existing systems	Yes, New hardware should be integrated with old platform without any additional cost to the Bank	Requesting to please let us know the existing details before bid submission.	No Change, as per RFP. Existing platform is VMware Cloud Foundation based.
113	98	Appendix–L , Other Terms and Penalties: 6.e,	Vendor shall ensure that the full configuration of the Equipment is available to the Bank in proper working condition viz. uptime of 99.99% of the time on a 24*7 on quarterly basis	Requesting this to change on half yearly basis.	No Change, as per RFP.
114	110	RESPONSIBILITIES OF SERVICE PROVIDER, 6.4	Service Provider shall report the incidents, including cyber incidents and those resulting in disruption of service and data loss/ leakage immediately but not later than one hour of detection.	Please let us know the resolution time line for the same.	No Change, as per RFP.
115	80	Integration / Migration Requirements with existing systems, pt 6	Yes, New hardware should be integrated with old platform without any additional cost to the Bank	For VMWARE new license will not be integrated with old licensed infra, for that case who will provide the required license ? Please clarify.	No Change, as per RFP.
116	80	Performance Requirements, Pt 7	Uptime requirement is 99.99% on quarterly basis for each rack server, server chassis including servers	Requesting this to change on half yearly basis.	No Change, as per RFP.
117				Any network device or connectivity is required to supply or configure for the connection or Bank will provide that, Please confirm	No Change, as per RFP. TOR switches will be provided by bank.
118	81	Training , 81	Training to minimum 5 Bank officials and two vendor partners for 5 days regarding daily operations, troubleshooting and Management of Hardware supplied. No additional cost will be borne by Bank on this training.	Training location would be in Bank's premises only, please confirm	No Change as per RFP, Training can be onsite/Remote as per Bank's requirement
119	108	4.2.2	Service Provider has the requisite technical and other competence, sufficient, suitable, qualified and experienced manpower/personnel and expertise in providing the Services to the Bank.	Any Residential Enginner required as manpower in DC & DR? if Yes, please let us know the number of resource required.	No Change, as per RFP. Residential Engineer is not part of the RFP.
120	59	A. Blade Servers (Category 1)- 2- Quantity	1775 (901 at Mumbai and 874 at Gachibowli)	Though RFP has called out number of blade servers required per location, can you also confirm number of blade chassis that will be required per location. As all OEMs has differenet number of blade servers supported per chassis, it will be important to mention the number of chassis required.	No Change as per RFP
121	60	Blade Servers - Internal Storage	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.	Can you please elaborate on this requirement. Do we have to configure 6 drives per server - 2 x 480GB SSD for OS and 4 x 3.xx TB additional drives	No change as per RFP, The proposed server should be VSAN ESA certified / compliant including all components (such as NVME disk, NIC, Boot Device, HSM etc.) Incase any of the components are not certified, it is the bidders responsibility to replace /add the required component without any additional cost.
122	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.	Blade servers can support maximum 1 x dual port 32GB FC HBA card per server. It will not be possible to configure any additional FC HBA card in blade server.	No Change, as per RFP Invalid Query
123	60	Ethernet Controller /Converged Network Adaptor(CNA)	The bandwidth required for network per server is a minimum of 2 x 50G per server that must be partitioned across a minimum of two cards to provide card level redundancy with a minimum of 50G bandwidth available per card. Should support RDMA over Converged Ethernet (RoCE)	Blade servers can be configured with 2 cards of dual port 10/25Gbps to provide required ethernet bandwith.	No Change, as per RFP Invalid Query
124	60	Expansion Slots	Minimum 3 PCIe 5.0 Type based x16 Slots supporting Ethernet, FC adapters / CNA Card	Blade servers has mix of Gen 4 and Gen 5 slots - 2 slots of Gen 4 and 1 slot of Gen 5.	No Change, as per RFP Invalid Query
125	62	Rack Servers (Category 2) - Processor	64 cores each socket, dual socket-128 cores (AMD 9554 or Intel Xeon Platinum 8592V)	DELL doesn't have 8592V processor. Instead, we can quote for 8592+ 64C 1.9Ghz processor. Request you to please change this point.	No Change, as per RFP Invalid Query
126	62	Rack Servers (Category 2) - Memory	Should support scalability up to 4 TB without having to replace the existing DIMMs	To provide 4Tb memory scalability, we have to configure 128GB DIMMs which are commercialy expensive. Also, with AMD processors it will be challenging to provide 4TB memory scalability. Request you to change this point to 2Tb or 3Tb scalability.	No Change, as per RFP Invalid Query
127	62	Rack Servers (Category 2) - Expansion Slots	Minimum 6 PCIe 5.0 Type based x16 Slots supporting Ethernet, FC adapters	2U rack server supports Up to 8 x PCIe Gen4 or up to 4 x PCIe Gen5 slots. Typically Gen5 PCIe slots are required by high performance components like GPUs, SSDs etc. whereas Gen 4 works fine for components like ethernet and FC cards, hence servers has mix of Gen 5 and Gen 4 PCIe slots. Request you to please update the clause accordingly.	No Change, as per RFP Invalid Query
128	63	Rack Servers (Category 3) - Processor	96 cores each socket, dual socket-192 cores (AMD EPYC 9655 or Intel Xeon 6972P)	Intel 6972P Granite rapids processor and AMD 9655 turin processor is still not getting shipped from DELL. The tentative timeline is April 2025. Request you to please consider another processor for this requirement.	No Change, as per RFP

129	63	Rack Servers (Category 3) - Memory	Should support scalability up to 4 TB without having to replace the existing DIMMs	Request you to please confirm core to memory ratio required. To provide 4Tb memory scalability, we have to configure 128GB DIMMs which will provide scalability of 4Tb with Intel processors but will limit scalability to 3TB incase of AMD processors. Request you to revisit the memory scalability requirement and change it to 2Tb for both Intel and AMD processors..	No Change, as per RFP Invalid Query
130	63	Rack Servers (Category 3) - Expansion Slots	Minimum 6 PCIe 5.0 Type based x16 Slots supporting Ethernet, FC adapters	2U rack server supports Up to 8 x PCIe Gen4 or up to 4 x PCIe Gen5 slots. Typically Gen5 PCIe slots are required by high performance components like GPUs, SSDs etc. whereas Gen 4 works fine for components like ethernet and FC cards, hence servers has mix of Gen 5 and Gen 4 PCIe slots. Request you to please update the clause accordingly.	No Change, as per RFP Invalid Query
131	64	Rack Servers (Category 4) - Expansion Slots	Minimum 6 PCIe 5.0 Type based x16 Slots supporting Ethernet, FC adapters	2U rack server supports Up to 8 x PCIe Gen4 or up to 4 x PCIe Gen5 slots. Typically Gen5 PCIe slots are required by high performance components like GPUs, SSDs etc. whereas Gen 4 works fine for components like ethernet and FC cards, hence servers has mix of Gen 5 and Gen 4 PCIe slots. Request you to please update the clause accordingly.	No Change, as per RFP Invalid Query
132	65	GPU Rack Servers Type 1 (Category 5) - Processor	64 Cores each socket, Dual socket- 128 cores) AMD 9554 or Intel Xeon Platinum 8592V	We don't have 8592V processor. Instead, we can quote for 8592+ 64C 1.9Ghz processor. Request you to please change this point.	No Change, as per RFP Invalid Query
133	65	GPU Rack Servers Type 1 (Category 5) - Memory	Should support scalability up to 4 TB without having to replace the existing DIMMs	Request you to please confirm core to memory ratio required. To provide 4Tb memory scalability, we have to configure 128GB DIMMs which will provide scalability of 4Tb with Intel processors but will limit scalability to 3TB incase of AMD processors. Request you to revisit the memory scalability requirement and change it to 2Tb for both Intel and AMD processors.	No Change, as per RFP Invalid Query
134	65	GPU Rack Servers Type 1 (Category 5) - 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 and should support RDMA over Converged Ethernet (RoCE)	2U rackmount server supports upto 8 PCIe slots. Server will not have sufficient PCIe slots after populating 2 GPU cards. Request you to please reconsider ethernet and FC HBA cards required per server for this category of server.	No Change, as per RFP Invalid Query
135	65	GPU Rack Servers Type 1 (Category 5) - Expansion Slots	Minimum 6 PCIe 5.0 Type based x16 Slots supporting Ethernet, FC adapters	2U rack server supports Up to 8 x PCIe Gen4 or up to 4 x PCIe Gen5 slots. Request you to change the clause accordingly.	No Change, as per RFP Invalid Query
136	66	GPU Rack Servers Type 2 (Category 6) - Processor	64 Cores each socket, Dual socket- 128 cores) AMD 9554 or Intel Xeon Platinum 8592V	We don't have 8592V processor. Instead, we can quote for 8592+ 64C 1.9Ghz processor. Request you to please change this point.	No Change, as per RFP Invalid Query
137	66	GPU Rack Servers Type 2 (Category 6) - Memory	Should support scalability up to 4 TB without having to replace the existing DIMMs	Request you to please confirm core to memory ratio required. To provide 4Tb memory scalability, we have to configure 128GB DIMMs which will provide scalability of 4Tb with Intel processors but will limit scalability to 3TB incase of AMD processors. Request you to revisit the memory scalability requirement and change it to 2Tb for both Intel and AMD processors..	No Change, as per RFP Invalid Query
138	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	Server with 8 GPU supports upto 10 x16 Gen5 (x16 PCIe) full-height, half-length. Request you to please change this point	No Change, as per RFP Invalid Query
139	70	Hardware - Blade Enclosure	In case of multi-chassis aggregation (not more than 4 chassis in one set), each master enclosure must have redundant master modules to eliminate single point of failure. The multi-chassis setup should have total 40 x 25G uplink ports with 20 x 25G uplink ports for each master enclosure i.e. 20 x 25G uplink bandwidth must be maintained even after 50% of master interconnect failure for multi-chassis set.	DELL support upto 10 chassis in multi chassis aggregation. Limiting 4 chassis in one chassis will give advantage to one OEM as they will have to quote lesser number of switches whereas in DELL case we will have to provide more switches to comply on this point	Please refer Corrigendum No. 1
140	81	Scope of Work and Payment Schedule - Payment Shedule	50% + taxes of the Servers (hardware, software and warranty) will be released on delivery of hardware. The remaining 50% + taxes of the Servers (hardware, software and warranty) will be released on commissioning, verification of bill of material by Bank/CDAC/Third party and submission of PBG.	80% + taxes of the Servers (hardware, software and warranty) will be released on delivery of hardware. The remaining 20% + taxes of the Servers (hardware, software and warranty) will be released on commissioning, verification of bill of material by Bank/CDAC/Third party and submission of PBG.	No Change, as per RFP
141		Site readyness	Sonata Dependencises	1) Assurance of Site readyness at DC/DR Or Near DR. 2) Network Swicthed should be in active state. 3) Confirmation of Cabeling readyness	No Change, as per RFP

142	96	Appendix–L - Point No. 3	Delivery of all equipment should be within 6 weeks from date of placing of the order. In the event of the any or all equipment(s) not being delivered, installed, tested and commissioned within a period of 10 weeks from date of Purchase Order, a penalty of 0.5 percent of the total cost of equipment for each week or part thereof the delay, subject to maximum amount of ten (10) percent of the total cost of equipment will be charged to vendor.	Delivery of all equipment should be within 14 weeks from date of placing of the order. In the event of the any or all equipment(s) not being delivered, installed, tested and commissioned within a period of 18 weeks from date of Purchase Order, a penalty of 0.5 percent of the total cost of equipment for each week or part thereof the delay, subject to maximum amount of ten (10) percent of the total cost of equipment will be charged to vendor.`	No Change, as per RFP
143	86	Appendix-E- Scope of Work and Payment Schedule-4	Delivery of total hardware and software should be completed within 6 weeks.	Delivery of total hardware and software should be completed within 14 weeks.	No Change, as per RFP
144	20	PERIOD OF BID VALIDITY AND VALIDITY OF PRICE QUOTED IN REVERSE AUCTION (RA):	ii. Price quoted by the Bidder in Reverse auction shall remain valid for duration of 24 calendar months from the date of Purchase order.	Request bank to Modify the clause " Price quoted by the Bidder in Reverse auction shall remain valid for duration of **3 calendar months** from the date of Purchase order."	No Change, as per RFP
145	60	Appendix-C/ Technical & Functional Specifications/ A. Blade Servers (Category 1)/ 3.Processor	AMD EPYC 9254 or Intel Xeon Gold 6542Y (24 cores each socket, dual socket-48 cores)	Kindly change it to '24 cores each socket, dual socket-128 cores (AMD EPYC 9254 or Intel Xeon Gold 6542)'. This is to accommodate the latest AMD Turin CPU.	No Change, as per RFP
146	60	Appendix-C/ Technical & Functional Specifications/ A. Blade Servers (Category 1)/ 5.Memory	Should support scalability up to 2 TB without having to replace the existing DIMMs.	Existing Blade Servers procured by SBI offers memory are scalability upto 4TB. Request to modify the clause to have identical solution in teh same data Center having similar performance for future . Hence, request to modify the clause as follows: Should support scalabilty upto 4TB without having to replace the existing DIMMs and both the processor memory channel must be equally loaded	No Change, as per RFP
147	62	Appendix-C/ Technical & Functional Specifications/ A. Blade Servers (Category 1)/ 13.Operating System	Should be Compatible with Latest Windows server, Red Hat Linux and VMware ESXi Server version 7.0 U3/VCF 4.5.2 and all later/upgraded/higher versions. Also, the supplied hardware should support all version upgrades coming in next 7 years. If hardware supplied by selected OEM is not compatible with these released during 7 years from date of commissioning, bidder need to replace hardware with compatible VMware, Windows server, Red Hat Linux, Redhat Openshift release without any additional cost to the Bank.	Hardware Offered supports latest generation of Operating systems like Windows, Linux, Vmware, etc. Upgrade / higher versions of Software are released by the respective software OEMs and they must provide support and compatibility with existing hardware. Hence request you remove this clause, as software is not part of this RFP.	No Change, as per RFP
148	61	Appendix-C/ Technical & Functional Specifications/ A. Blade Servers (Category 1)/8. 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.	Considering the uniformity with the Bank's existing setup. Request to modify the clause as follows : "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. Bidder must quote dedicated FC protocol supported card and this must not be a shared adapter with etherne/iSCSI/FCoE."	No Change, as per RFP
149	61	Appendix-C/ Technical & Functional Specifications/ A. Blade Servers (Category 1)/ 9.Ethernet Controller / Converged Network Adaptor(CNA)	The bandwidth required for network per server is a minimum of 2 x 50G per server that must be partitioned across a minimum of two cards to provide card level redundancy with a minimum of 50G bandwidth available per card. Should support RDMA over Converged Ethernet (RoCE).	As Bank's existing servers are currently configured with 100G bandwidth per card i.e 4x50G per server with card level redundancy . To keep uniformity with existing SBI setup we recommend to change the existing clause as follow: 4x50G per server across two cards with card level redundancy . Minimum 100G bandwidth per card	No Change, as per RFP
150	63	Appendix-C/ Technical & Functional Specifications/ A. Rack Servers (Category 2)/ 3.Processor	64 cores each socket, dual socket-128 cores (AMD EPYC 9534 or Intel Xeon Platinum 8592V/8592+)	Kindly change it to '64 cores each socket, dual socket-128 cores (AMD EPYC 9535 or Intel Xeon Platinum 8592V/8592+)'. This is to accommodate the latest AMD Turin CPU.	No Change, as per RFP
151	63	Appendix-C/ Technical & Functional Specifications/ A. Rack Servers (Category 2)/ 5.Memory	Should support scalability for at least 3 TB without having to replace the existing DIMMs	2.0 TB DDR5 @ 4800 MT/s with scalaibility to 3 TB without having to replace existing DIMMS	No Change, as per RFP
152	63	Appendix-C/ Technical & Functional Specifications/ C. Rack Servers (Category 3)/ 8. Host Bus Adaptor(HBA)/ Converged Network Adaptor(CNA)	Each server must be equipped with four 32G dedicated Fibre Channel SAN storage connectivity ports, distributed across two cards, and supporting both Fibre Channel (FC) and NVMe over Fabrics (NVMeoF) protocols.	As the Rack server comes dedicated ethernet and FC card Hence we recommend to remove Converge Network Adapter in this clause	No Change, as per RFP
153	63	Appendix-C/ Technical & Functional Specifications/ C. Rack Servers (Category 3)/ 3. Processor	96 cores each socket, dual socket-192 cores (AMD EPYC 9655 or Intel Xeon 6972P)	Intel OEMs support Systems upto 86 Core Intel processors .Request to change the clause to Intel® Xeon® 6787P (86 Cores @ 2.0 GHz) Processor .	Please refer Corrigendum No. 1
154	65	Appendix-C/ Technical & Functional Specifications/ D: Rack Servers (Category 4) / 3. Processor	AMD EPYC 9254 or Intel Xeon Gold 6542Y (24 cores each socket, dual socket-48 cores)	Kindly change it to '24 cores each socket, dual socket-128 cores (AMD EPYC 9254 or Intel Xeon Gold 6542)'. This is to accommodate the latest AMD Turin CPU.	No Change, as per RFP
155	65	Appendix-C/ Technical & Functional Specifications/ D: Rack Servers (Category 4) / 5. Memory	Should support scalability up to 2 TB without having to replace the existing DIMMs	Existing Blade Servers procured by SBI offers memory are scalability upto 4TB. Request to modify the clause to have identical solution in teh same data Center having similar performance for future . Hence, request to modify the clause as follows: Should support scalabilty upto 4TB without having to replace the existing DIMMs and both the processor memory channel must be equally loaded	No Change, as per RFP
156	65	Appendix-C/ Technical & Functional Specifications/ D: Rack Servers (Category 4) / 7. Internal Storage	8 * 7.6 TB NVMe drives per node (vSAN ESA certified nodes)	SBI is currently using vSAN on Bladed Architecture for better consolidation & higher performance. This eleminates the need for external network switches upto 60 nodes in a vSAN cluster. For similar solution on Rack Servers will require Total 480 ports on external TOR switch, that needs to needs to be procured additionally. Blade Solution provides many savings for the Bank commercially and technically Hence we suggest to use Blade Solution for vSAN Nodes.	No Change, as per RFP

157	65	Appendix-C/ Technical & Functional Specifications/ D: Rack Servers (Category 4) / 9. HBA	Each server must have dedicated 2 x 32G dedicated fiber channel SAN Storage connectivity distributed across two cards	vSAN nodes are configured using internal drives for Storage requirement and don't require any external storage. Hence, we recommend to remove HBA card from the vSAN nodes and we suggest to use Blade Solution for vSAN Nodes.	No Change, as per RFP
158	66	Appendix-C/ Technical & Functional Specifications/ E: GPU Rack Servers Type 1 (Category 5)/ 3. Server type	64 cores each socket, dual socket-128 cores (AMD EPYC 9534 or Intel Xeon Platinum 8592V/8592+)	Kindly change it to '64 cores each socket, dual socket-128 cores (AMD EPYC 9535 or Intel Xeon Platinum 8592V/8592+)'. This is to accommodate the latest AMD Turin CPU.	No Change, as per RFP
159	66	Appendix-C/ Technical & Functional Specifications/ E: GPU Rack Servers Type 1 (Category 5)/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.	NVIDIA H100 is much higher in performance compared to Intel Max 1100 and AMD MI250X. Hence, we recommend to change : Server should support four NVIDIA H100 GPUs or Intel Gaudi 3 or AMD MI300 GPUs.	Please refer Corrigendum No. 1
160	67	Appendix-C/ Technical & Functional Specifications/ F: GPU Rack Servers Type 2 (Category 6)/2. Quantity	Qty - 32	Are the servers going to be deployed in a single DC and going to be part of a single Network fabric OR is it going to be distributed across multiple locations ?	No change as per RFP, Bank will decide this as per requirement in future
161	67	Appendix-C/ Technical & Functional Specifications/ F: GPU Rack Servers Type 2 (Category 6)/3. Processor	64 cores each socket, dual socket-128 cores (AMD EPYC 9534 or Intel Xeon Platinum 8592V/8592+)	Kindly change it to '64 cores each socket, dual socket-128 cores (AMD EPYC 9535 or Intel Xeon Platinum 8592V/8592+)'. This is to accommodate the latest AMD Turin CPU.	No Change, as per RFP
162	67	Appendix-C/ Technical & Functional Specifications/ F: GPU Rack Servers Type 2 (Category 6)/ 4 - GPU	Solution should come with all required licenses (including Nvidia AI enterprise / equivalent) for GPU slicing with VMware, Nvidia enterprise tech support, training, Inferencing etc.	We presume that VMWare Licensing is not in scope of supply and installation for Category 6 Servers. Kindly confirm.	No Change, as per RFP
163	67	Appendix-C/ Technical & Functional Specifications/ F: GPU Rack Servers Type 2 (Category 6)/ 10 - Memory	Should provide Advanced Memory Protection features like multi-bit error correction, memory mirroring, and memory spare for higher reliability.	Kindly relax this clause since DDR5 does not support some of these features. Kindly amend it to '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', so that it is line with other category servers.	No Change, as per RFP
164	68	Appendix-C/ Technical & Functional Specifications/ F: GPU Rack Servers Type 2 (Category 6)/ 13 - Ethernet Controllers	2 * 200 G Nvidia BF3 NIC per Server. The 2x200 G network should be splitable in 10/25 G network ports to accommodate the required bandwidth with existing Top of the rack switches	Kindly change it to 'Dual port BF3 NIC with 2 x 200G NDR/Ethernet' OR 'dual port 200G Ethernet'. This will help in a wider choice for Adapters.	No Change, as per RFP
165	68	Appendix-C/ Technical & Functional Specifications/ F: GPU Rack Servers Type 2 (Category 6)/13 - Ethernet Controllers	In case splitting is not possible, bidder must provide suitable intermediary switches to connect with Top of the Rack Switch.	Kindly advise on the Network Switch details and what is the uplink expected ?	No Change, as per RFP
166	68	Appendix-C/ Technical & Functional Specifications/ F: GPU Rack Servers Type 2 (Category 6)/ 13 - Ethernet Controllers	OOB Mgmt.: - 2*10 G Port	Kindly change it 'Management - 2 x 10G Port', since OOB is done using the 1G port asked separately for Remote Management of the Server Hardware. This 10G port can be used for Admin network, hence the request for change.	No Change, as per RFP
167	68	Appendix-C/ Technical & Functional Specifications/ F: GPU Rack Servers Type 2 (Category 6)/ Expansion Slots	FC adapters for each server.	Kindly remove slots supporting FC adapters, since we do not qualify FC Servers in these Dense GPU Nodes.	Please refer Corrigendum No. 1
168	68	Appendix-C/ Technical & Functional Specifications/ Category 2 to Category 6, the bidder must comply with below specifications/ 2 - Industry standard compliance	ACPI 5.1 Compliant, PCIe 5.0 Compliant;WOL Support; Microsoft/VMware/RHEL Logo Certifications.	Kindly change it to 'ACPI 5.1 or better'. Kindly remove Microsoft and VMWare certification. We don't certify the latest dense GPU servers on Microsoft OS and VMWare. We suggest SBI to plan for RHEL on these Category 6 based AI nodes.	Please refer Corrigendum No. 1
169	69	Appendix-C/ Technical & Functional Specifications/ Category 2 to Category 6, the bidder must comply with below specifications/ 3 - Operating System	Also, the supplied hardware should support all version upgrades coming in next 7 years	Kindly relax the clause, since the choice of supporting supporting futures releases on a specific platform / CPU depends on the OS vendor.	Please refer Corrigendum No. 1
170	69	Appendix-C/ Technical & Functional Specifications/ Category 2 to Category 6, the bidder must comply with below specifications /4 - Manageability	Should provide unified management suite that can monitor, configure and manage all the servers and chassis from the OEM deployed in the data center. Required Licenses has to be provided.	We suggest SBI that RHEL OS is planned for the OS nodes, so that necessary Cluster Tool can be provided to manage these Category 6 Servers. We request that management of Category 6 Servers is kept separate.	Please refer Corrigendum No. 1
171	69	Appendix-C/ Technical & Functional Specifications/ Category 2 to Category 6, the bidder must comply with below specifications / Warranty / AMC	24x7 comprehensive onsite support from OEM with maximum 2 hours response time with 6 hours Call to Resolution including part replacement, access to OEM support portal, OEM technical support on 24X7X365 basis.	Kindly change it to '4 hours response'. Also kindly exclude the GPUs from Call to Resolution, since it will depend on Global Trade Approvals and shall be done on a best effort basis. SBI may consider planning for a spare server onsite for faster support.	No Change, as per RFP
172	70	Appendix-C/ Technical & Functional Specifications/ G. HARDWARE - BLADE ENCLOSURE/ 2. Interconnect Support	Should support simultaneous housing of Ethernet, FC, iSCSI or CNA offering Hot Pluggable & Redundancy as a feature. Enclosure should have a minimum of 6 Interconnect Bays populated in case of 4 chassis group, in case of standalone chassis per chassis 2 Interconnect Bays need to provide in redundancy and Server to server communication for servers in same chassis must happen over these switches. These switches must be internal or external to server and should not be shared across multiple chassis.	Request to add following for better understanding : Each Chassis must be offered with dedicated Network Modules in redundancy. Server to Server communication should be in 1:1 non blocking	No Change, as per RFP
173	74	H. Rack Enclosure 2. Environmental Monitoring	A. The rack should be equipped with integrated sensors to monitor temperature, humidity, airflow, and pressure. These sensors should be capable of real-time reporting to ensure optimal environmental conditions and enable proactive management of server health	Request bank to remove the integrated sensors for monitoring temperature humidity, airflow & pressure from the clause, as no OEM nor Third party rack provide these functionalty as standard offerings. These are additional solution components that needs to be installed for such montoring requirements.	No Change, as per RFP
174	74	H. Rack Enclosure 2. Environmental Monitoring	b. The environmental monitoring system should be able to send real-time alerts for critical conditions, such as temperature spikes or airflow issues, to minimize downtime and prevent equipment damage	Request bank to remove the environmental monitoring & Real time alerting functionality in racks, as no OEM nor Third party rack provide these functionalty as standard offerings. These are additional solution components that needs to be installed for such montoring requirements.	No Change, as per RFP
175	75	H. Rack Enclosure 3.Inelligent Power Disribution Units (PDUs)	a. PDUs should provide real-time monitoring of power usage at the outlet level, enabling precise tracking of power consumption per device.	OEM rack PDU's do not provide these functionality . Request bank to drop this clause or allow OEM to quote third party PDU's.	No Change, as per RFP

176	75	H. Rack Enclosure 3.Inelligent Power Disribution Units (PDUs)	b. PDUs should support remote switching, allowing for the remote shutdown or reboot of servers and devices, providing flexibility in managing power in case of emergencies or maintenance.	OEM rack PDU's do not provide these functionality . Request bank to drop this clause.	No Change, as per RFP
177	75	H. Rack Enclosure 3.Inelligent Power Disribution Units (PDUs)	c. The PDUs should include power metering capabilities to provide detailed usage data, enabling better energy management and cost control.	OEM rack PDU's do not provide these functionality . Request bank to drop this clause.	No Change, as per RFP
178	81	Scope of Work and Payment Schedule	Point 4- Delivery of all equipment should be within 8 weeks and installation, testing, commissioning within 10 weeks from date of placing of order.	Request bank to modify the delivery upto 10 weeks and installation, testing, commissioning within 14 weeks from date of placing of order.	No Change, as per RFP
179	69	Operating System for Category 6 Server	Should be Compatible with Latest Windows server, Red Hat Linux/Openshift and VMware ESXi Server version 7.0 U3/VCF 4.5.2 and all later/upgraded/higher versions. Also, the supplied hardware should support all version upgrades coming in next 7 years. If hardware supplied by selected OEM is not compatible with these releases during 7 years from date of commissioning, bidder need to replace hardware with compatible VMware, Windows server, Red Hat Linux/Openshift release without any additional cost to the Bank.	Kindly modify this as " Should be Compatible with Red Hat Linux/Openshift and VMware ESXi Server version 7.0 U3/VCF 4.5.2 **OR all later/**upgraded/higher versions. Also, the supplied hardware should support all version upgrades coming in next 7 years. If hardware supplied by selected OEM is not compatible with these releases during 7 years from date of commissioning, bidder need to replace hardware with compatible VMware, Red Hat Linux/Openshift release without any additional cost to the Bank." **Justification:** 1) As per Broadcom notifcation, VMware vSphere 7.0, **including ESXi 7.0** and vCenter Server 7.0, would reach **EOS in a few months - by October 2, 2025.** This means that after this date, VMware will no longer provide general support, security patches, or updates for vSphere 7.0. Hence the newly launched 8 GPU server is certified with VmWare 8.0 onwards. **Kindly allow VmWare 7.0 U3 OR above versions (Or Vmware 8.0 AND higher versions)** Reference Link: https://knowledge.broadcom.com/external/article/372953/announcing-end-of-support-life-for-vsphe.html 2) **Windows Server OS** is a general purpose OS, and not qualified on 8 GPU Server which is meant for AI ML Workloads. Most of the customers deploy Redhat Linux/Openshift or VmWare on such dense GPU Server for AI ML workloads. Hence kindly remove this requirement from Category 6 Server	Please refer Corrigendum No. 1
180	68	F: GPU Rack Servers Type 2 (Category 6) => Clause # 14 =>rExpansion Slots	Minimum 10 PCIe 5.0 Type based x16 Slots supporting Ethernet, FC adapters for each server.	Request you to modify as "Minimum 10 PCIe 5.0 Type based x16 Slots supporting Ethernet adapters for each server" Justification: In AI use case, the dense GPU Server, typically uses Ethernet adapters of 100 / 200 Gig speed for Storage traffic. Since AI Applications need access to huge amount of data for training and fine tuning etc, FC adapter (which supports max of 32 or 64 Gig speed per port) is a limiting factor. Hence request you to **remove "FC Adapter"** from this clause. Also, in this RFP, for each Category 6 Server, Front end network adapter with 2 x 200 Gig port is asked for In-band + Storage network, which ensures that there is not network bottleneck for Storage access.	Please refer Corrigendum No. 1
181	66	E: GPU Rack Servers Type 1 (Category 5) => Clause#4 : GPU	Server should support minimum two NVIDIA H100 Tensor Core GPU card or Intel® Data Center GPU Max 1100 or AMD Instinct™ MI300X. 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.	Request you to modify as " Server should support minimum two **NVIDIA H100 NVL 94 GB** Tensor Core GPU card or Intel® Data Center GPU Max 1100 or AMD Instinct™ MI300X. 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." **Justification** H100 GPU is available in 2 varients - one with 80 GB GPU Memory & latest H100 NVL which comes with 94 GB GPU Memory. The H100 80 GB is near End of Sale. Hence request the bank to change the specification to H100 NVL with 94 GB RAM to be provided along with this server. Below is a comparison of H100 80 GB vs H100 NVL 94 GB H100 NVL => 94 GB HBM3 Memory / GPU, 528 Tensor Cores / GPU, 16896 FP32 Cores / GPU H100 => 80 GB HBM2e Memory / GPU, 456 Tensor Cores / GPU, 14592 FP32 Cores / GPU.	Please refer Corrigendum No. 1

182	61	A. Blade Server (Category 1) -> Clause # 12: Industry Standard Compliance	ACPI 5.1 Compliant, PCIe 5.0 Compliant; WOL/equivalent technology Support; Microsoft/VMware/RHEL Logo Certifications; USB 3.0 support or better.	Request you to modify the clause as " ACPI 5.1 Compliant, PCIe **4.0 /** 5.0 Compliant; WOL/equivalent technology Support; Microsoft/VMware/RHEL Logo Certifications; USB 3.0 support or better." **Justification:** As per Clause # 10, Expansion slots, PCI 4.0 / 5.0 is allowed. Kindly update this point as well.	Please refer Corrigendum No. 1
183	67	F: GPU Rack Servers Type 2 (Category 6) => Quantity	Clause#2 : Quantity : 32	**Clarification Required:** Will all the 32 x 8 GPU Server would be installed in the same Data Center ? if yes, which location. Please confirm the # of 8 GPU Servers in each DC in case of breakup.. This is required to determine the Quantity of switches required in each DC as well as to design front-end & back-end network (GPU to GPU network) for respective DC Site.	No change, as per RFP. Bank will decide this as per requirement in future
184	68	F: GPU Rack Servers Type 2 (Category 6) => Ethernet Controller	**Backend:** - 8x400G per server (GPU to GPU using InfiniBand/Ethernet switches and CX7 NIC). The InfiniBand/Ethernet switches needs to be supplied by bidder	Clarification required: The network design has a considerable influence on the overall performance of an AI/ML cluster, especially the backend GPU to GPU network is very critical for AI ML Networks. A two-tier, spine-switch-leaf-switch design dedicated for GPU to GPU network provides the lowest latency and scalability. Hence, **please confirm, that the back end need to be designed with end to end non-blocking architecture using LEAF & SPINE design, such that all 256 GPU can communicate at 400 Gbps to other GPUs concurrently**	No change, as per RFP.
185	68	F: GPU Rack Servers Type 2 (Category 6) => Ethernet Controller	**Frontend:** - In band + Storage Network:- 2 * 200 G Nvidia BF3 NIC per Server. The 2x200 G network should be splitable 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 must provide suitable intermediary switches to connect with Top of the Rack Switch.	Request you to modify as "Frontend: - In band + Storage Network:- **2 * 200 G Nvidia BF3 OR CX7 NIC per Server**. The 2x200 G network should be splitable 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 must provide suitable intermediary switches to connect with Top of the Rack Switch. **Justificaiton:** Both BF3 and CX7 Card offers same bandwidth to the front end network. While CX7 is ASIC based SmartNIC, BF Series is SoC based SmartNIC & there is no performance impact for front end network. Hence reqeust you to allow the bidder to either quote with 2 x 200 Gig BF3 card or 2 x 200 Gig CX7 card.	Please refer Corrigendum No. 1
186	80	Appendix-E Scope of Work and Payment Schedule 2. Description of Deliverables	The prices discovered through this RFP will be valid for a minimum period of three years from the date of initial purchase order.	Suggestions: The prices discovered through this RFP will be valid for a minimum period of one years from the date of initial purchase order.	Please refer Corrigendum No. 1
187	81	Appendix-E Scope of Work and Payment Schedule 8. Scalability Requirements	Rate discovered will be valid for three years from the date of initial Purchase order and if there are requirements, Bank may place additional order for hardware up to 25% quantity for which RFP is floated. The additional 25% quantity may be of any category/categories of the Servers/GPU.	Suggestions: Rate discovered will be valid for one year from the date of initial Purchase order and if there are requirements, Bank may place additional order for hardware up to 25% quantity for which RFP is floated. The additional 25% quantity may be of any category/categories of the Servers/GPU.	Please refer Corrigendum No. 1
188	81	Integration / Migration Requirements with existing systems	Yes, New hardware should be integrated with old platform without any additional cost to the Bank	need more details of existing hardware , switch,application and DB verssion in details	No Change, as per RFP. The existing platform is Vmware Cloud Foundation(VCF) based.
189	32	WARRANTY AND ANNUAL MAINTENANCE CONTRACT:	"In the event of system break down or failures at any stage, protection available, which would include the following, shall be specified. "(a) Diagnostics for identification of systems failures (b) Protection of data/ Configuration (c) Recovery/ restart facility (d) Backup of system software/ Configuration	Need more details of existing backup solution bank have and existing backup policy of existing infra with storage spae	No change, as per RFP.
190	33	WARRANTY AND ANNUAL MAINTENANCE CONTRACT:	Service Provider shall be agreeable for on-call/on-site support during peak weeks (last and first week of each month) and at the time of switching over from PR to DR and vice-versa. No extra charge shall be paid by the Bank for such needs, if any, during the support period.	Need more details of existing DC DR Replication solution setup with RTO and RPO strategy plan	No change, as per RFP.
191	39	TECHNICAL DOCUMENTATION:	Service Provider shall also provide the MIS reports as per requirements of the Bank. Any level/ version changes and/or clarification or corrections or modifications in the above mentioned documentation should be supplied by Service Provider to the Bank, free of cost in timely manner.	Nee More details of bank MIS report format	No change, as per RFP.

192	67	GPU Rack Servers Type 2 (Category 6). GPU	Each Node must be configured with Nvidia 8 x H200 141 GB GPUs (SXM) connected via Nvidia Nvlink with NV Switch or AMD Instinct 8 x MI300X 192 GB GPUs (OAM) connected via AMD Infinity Fabric. The total aggregate memory per node from the GPUs should be at least 1128 GB. Solution should come with all required licenses (including Nvidia AI enterprise / equivalent) for GPU slicing with VMware, Nvidia enterprise tech support, training, Inferencing etc.	Need more details of exisitng Infinity fabric switch details (Port availibilty)	No change, as per RFP.
193	71	**G. HARDWARE - BLADE ENCLOSURE**	The enclosure must have redundant Fibre Channel Interconnect each modules with minimum 8 x 32Gbps Uplink Ports to the SAN Switch i.e. 8 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. All required licenses to ensure interoperability with Bank's existing fabric must be provided.	Need more details of existing fabric switch details and available port with license details	No change, as per RFP.
194	80-81	Scope of Work and Payment Schedule. Third-Party Components	Should be integrated with Netapp Storage and any other brand storage and VMware softwares.he servers supplied as part of this procurement must support current and upcoming VMware (Broadcom) softwares/RHEL OS/ Windows Server OS/similar software used in Meghdoot during the currency of the project. In case VMware software RHEL OS/ Windows Server OS/similar software does not support any or entire hardware, the same must be replaced without any cost.	Need More details of existing Vmware,Microsoft,RHEL OS version	No change, as per RFP. The existing platform is VMware Cloud Foundation(VCF) based.
195	69	Operating System for Category 6 Server	Should be Compatible with Latest Windows server, Red Hat Linux/Openshift and VMware ESXi Server version 7.0 U3/VCF 4.5.2 and all later/upgraded/higher versions. Also, the supplied hardware should support all version upgrades coming in next 7 years. If hardware supplied by selected OEM is not compatible with these releases during 7 years from date of commissioning, bidder need to replace hardware with compatible VMware, Windows server, Red Hat Linux/Openshift release without any additional cost to the Bank.	Kindly modify this as " Should be Compatible with Red Hat Linux/Openshift and VMware ESXi Server version 7.0 U3/VCF 4.5.2 **OR all later**/upgraded/higher versions. Also, the supplied hardware should support all version upgrades coming in next 7 years. If hardware supplied by selected OEM is not compatible with these releases during 7 years from date of commissioning, bidder need to replace hardware with compatible VMware, Red Hat Linux/Openshift release without any additional cost to the Bank." **Justification:** 1) As per Broadcom notifcation, VMware vSphere 7.0, **including ESXi 7.0** and vCenter Server 7.0, would reach **EOS in a few months - by October 2, 2025.** This means that after this date, VMware will no longer provide general support, security patches, or updates for vSphere 7.0. Hence the newly launched 8 GPU server is certified with VmWare 8.0 onwards. **Kindly allow VmWare 7.0 U3 OR above versions (Or Vmware 8.0 AND higher versions)** Reference Link: https://knowledge.broadcom.com/external/article/372953/announcing-end-of-support-life-for-vsphe.html 2) **Windows Server OS** is a general purpose OS, and not qualified on 8 GPU Server which is meant for AI ML Workloads. Most of the customers deploy Redhat Linux/Openshift or VmWare on such dense GPU Server for AI ML workloads. Hence kindly remove this requirement from Category 6 Server	Please refer Corrigendum No. 1

196	68	F: GPU Rack Servers Type 2 (Category 6) => Clause # 14 =>rExpansion Slots	Minimum 10 PCIe 5.0 Type based x16 Slots supporting Ethernet, FC adapters for each server.	Request you to modify as "Minimum 10 PCIe 5.0 Type based x16 Slots supporting Ethernet adapters for each server" Justification: In AI use case, the dense GPU Server, typically uses Ethernet adapters of 100 / 200 Gig speed for Storage traffic. Since AI Applications need access to huge amount of data for training and fine tuning etc, FC adapter (which supports max of 32 or 64 Gig speed per port) is a limiting factor. Hence request you to **remove "FC Adapter"** from this clause. Also, in this RFP, for each Category 6 Server, Front end network adapter with 2 x 200 Gig port is asked for In-band + Storage network, which ensures that there is not network bottleneck for Storage access.	Please refer Corrigendum No. 1
197	66	E: GPU Rack Servers Type 1 (Category 5) => Clause#4 : GPU	Server should support minimum two NVIDIA H100 Tensor Core GPU card or Intel® Data Center GPU Max 1100 or AMD Instinct™ MI300X. 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.	Request you to modify as " Server should support minimum two **NVIDIA H100 NVL 94 GB** Tensor Core GPU card or Intel® Data Center GPU Max 1100 or AMD Instinct™ MI300X. 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." **Justification** H100 GPU is available in 2 varients - one with 80 GB GPU Memory & latest H100 NVL which comes with 94 GB GPU Memory. The H100 80 GB is near End of Sale. Hence request the bank to change the specification to H100 NVL with 94 GB RAM to be provided along with this server. Below is a comparison of H100 80 GB vs H100 NVL 94 GB H100 NVL => 94 GB HBM3 Memory / GPU, 528 Tensor Cores / GPU, 16896 FP32 Cores / GPU H100 => 80 GB HBM2e Memory / GPU, 456 Tensor Cores / GPU, 14592 FP32 Cores / GPU.	Please refer Corrigendum No. 1
198	61	A. Blade Server (Category 1) -> Clause # 12: Industry Standard Compliance	ACPI 5.1 Compliant, PCIe 5.0 Compliant; WOL/equivalent technology Support; Microsoft/VMware/RHEL Logo Certifications; USB 3.0 support or better.	Request you to modify the clause as " ACPI 5.1 Compliant, PCIe **4.0 /** 5.0 Compliant; WOL/equivalent technology Support; Microsoft/VMware/RHEL Logo Certifications; USB 3.0 support or better." **Justification: As per Clause # 10, Expansion slots, PCI 4.0 / 5.0 is allowed. Kindly update this point as well.**	Please refer Corrigendum No. 1
199	67	F: GPU Rack Servers Type 2 (Category 6) => Quantity	Clause#2 : Quantity : 32	**Clarification Required:** Will all the 32 x 8 GPU Server would be installed in the same Data Center ? if yes, which location. Please confirm the # of 8 GPU Servers in each DC in case of breakup.. This is required to determine the Quantity of switches required in each DC as well as to design front-end & back-end network (GPU to GPU network) for respective DC Site.	No change, as per RFP. Bank will decide this as per requirement in future
200	68	F: GPU Rack Servers Type 2 (Category 6) => Ethernet Controller	**Backend: -** 8x400G per server (GPU to GPU using InfiniBand/Ethernet switches and CX7 NIC). The InfiniBand/Ethernet switches needs to be supplied by bidder	Clarification required: The network design has a considerable influence on the overall performance of an AI/ML cluster, especially the backend GPU to GPU network is very critical for AI ML Networks. A two-tier, spine-switch-leaf-switch design dedicated for GPU to GPU network provides the lowest latency and scalability. Hence, **please confirm, that the back end need to be designed with end to end non-blocking architecture using LEAF & SPINE design, such that all 256 GPU can communicate at 400 Gbps to other GPUs concurrently**	No change, as per RFP.
201	68	F: GPU Rack Servers Type 2 (Category 6) => Ethernet Controller	**Frontend: -** In band + Storage Network:- 2 * 200 G Nvidia BF3 NIC per Server. The 2x200 G network should be splitable 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 must provide suitable intermediary switches to connect with Top of the Rack Switch.	Request you to modify as "Frontend: - In band + Storage Network:- **2 * 200 G Nvidia BF3 OR CX7 NIC** per Server. The 2x200 G network should be splitable 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 must provide suitable intermediary switches to connect with Top of the Rack Switch. **Justificaiton**: Both BF3 and CX7 Card offers same bandwidth to the front end network. While CX7 is ASIC based SmartNIC, BF Series is SoC based SmartNIC & there is no performance impact for front end network. Hence reqeust you to allow the bidder to either quote with 2 x 200 Gig BF3 card or 2 x 200 Gig CX7 card.	Please refer Corrigendum No. 1
202	80	Appendix-E Scope of Work and Payment Schedule 2. Description of Deliverables	The prices discovered through this RFP will be valid for a minimum period of three years from the date of initial purchase order.	Suggestions: The prices discovered through this RFP will be valid for a minimum period of three years from the date of initial purchase order.	No, Change as per RFP

203	81	Appendix-E Scope of Work and Payment Schedule 8. Scalability Requirements	Rate discovered will be valid for three years from the date of initial Purchase order and if there are requirements, Bank may place additional order for hardware up to 25% quantity for which RFP is floated. The additional 25% quantity may be of any category/categories of the Servers/GPU.	Suggestions: Rate discovered will be valid for one year from the date of initial Purchase order and if there are requirements, Bank may place additional order for hardware up to 25% quantity for which RFP is floated. The additional 25% quantity may be of any category/categories of the Servers/GPU.	No, Change as per RFP
204	60	Appendix-C	The entire bill of material should be from a single OEM i.e. all the servers should be from the same OEM. Bidder cannot quote servers from multiple OEMs.	The single-OEM restriction may favor larger OEMs with extensive portfolios. Can this be relaxed to allow multiple OEMs if interoperability is proven, enhancing competition and flexibility for bidders like us?	No, Change as per RFP
205	63	B. Rack Servers (Category 2)	Standard Servers must include 6 x16 PCIe slots	We would suggest mentioning that the server should have the required PCIe slots available to efficiently support the requested configuration and network add-ons.	No, Change as per RFP
206	81	Scope of Work and Payment Schedule	Integration / Migration Requirements with ex isting systems	Would like to know which are the exisiting system/Infra is operational at SBI.	No, Change as per RFP The existing platform is Vmware Cloud Foundation based.
207	60	Blade Server(Category 1)	AMD EPYC 9254 or Intel Xeon Gold 6542Y (24 cores each socket, dual socket-48 cores)	**Generation**: Intel Xeon 6542Y processors are 5th generation based procesors whereas AMD EPYC™ 9254 is 4th Generation processor launched in Oct'22 . Hence comparison of Intel 5th Gen 6542Y processors should be with 5th Generation AMD EPYC™ Processors 9255. Comparing equitable generation processors will ensure a level playing field with neutral and competitive specifications.	No Change, as per RFP
208	60	Blade Server(Category 1)	Each Server should be installed with minimum 1.5 TB Memory DDR5 with 4800 MT/s memory speed .Should support scalability up to 2 TB without having to replace the existing DIMMs.	With 1.5 TB memory already populated with memory expandibility upto 2 TB RAM results into 75 % capacity utilisation , leaving only 25% headroom for future expandibility .Considering today's virtualised new age workloads like CRM/database/ analytics which are memory intensive applications ,hence having sufficient memory headroom would be critical . We highly recommend scalability upto 3 TB / or upto 4 TB without having to replace the existing DIMMs. Scabality should be achieved by addition of similar size DIMMs as populated in initial memory configuration to ensure balanced memory and optimal system performance.	No Change, as per RFP
209	63	Rack Servers (Category 2)	64 cores each socket, dual socket-128 cores (AMD EPYC 9534 or Intel Xeon Platinum 8592V/8592+)	**Generation**: Intel Xeon 8592V/8592+ processors are 5th generation based procesors whereas AMD EPYC™ 9534 is 4th Generation processor launched in Oct'22 . Hence comparison of Intel 5th Gen 8592V/8592+ processors should be with 5th Generation AMD EPYC™ Processors 9535. Comparing equitable generation processors will ensure a level playing field with neutral and competitive specifications.	No Change, as per RFP
210	63	Rack Server(Category 2)	Each Server should be installed with minimum 2 TB Memory DDR5 or higher RDIMM with 4800MT/s memory speed.Should support scalability for at least 3 TB without having to replace the existing DIMMs	With 2 TB memory already populated with memory expandibility upto 3 TB RAM results into ~ 66 % capacity utilisation , leaving only ~33% headroom for future expandibility .Considering today's virtualised new age workloads like CRM/database/ analytics which are memory intensive applications ,hence having sufficient memory headroom would be critical . We highly recommend scalability upto upto 4 TB without having to replace the existing DIMMs. Scabality should be achieved by addition of similar size DIMMs as populated in initial memory configuration to ensure balanced memory and optimal system performance.	No Change, as per RFP
211	64	Rack Server(Category 3)	96 Cores each socket , dual Socket -192 Cores (AMD EPYC 9655 or Intel Xeon 6972P)	For existing system configuration asked for in RFP , OEMs Systems are available upto 86 Core Intel processors .Request Intel® Xeon® 6787P Processor to be considered in lieu of Intel Xeon 6972P. This will enable maximum participation from OEMs .	Please refer Corrigendum No. 1
212	64	Rack Server(Category 3)	Each Server should be installed with minimum 3 TB Memory DDR5 or higher RDIMM with 4800 MT/s memory speed	With 3 TB memory already populated and no expandibility mentioned results into 100 % capacity utilisation , leaving 0% or no headroom for future expandibility .Considering today's virtualised new age workloads like CRM/database/ analytics which are memory intensive applications ,hence having sufficient memory headroom would be critical . We highly recommend scalability upto upto 4 TB without having to replace the existing DIMMs. Scabality should be achieved by addition of similar size DIMMs as populated in initial memory configuration to ensure balanced memory and optimal system performance.	No Change, as per RFP
213	65	Rack Server(Category 4)	AMD EPYC 9254 or Intel Xeon Gold 6542Y (24 cores each socket, dual socket-48 cores)	**Generation**: Intel Xeon 6542Y processors are 5th generation based procesors whereas AMD EPYC™ 9254 is 4th Generation processor launched in Oct'22 . Hence comparison of Intel 5th Gen 6542Y processors should be with 5th Generation AMD EPYC™ Processors 9255. Comparing equitable generation processors will ensure a level playing field with neutral and competitive specifications.	No Change, as per RFP

214	65	Rack Server(Category 4)	Each Server should be installed with minimum 1.5 TB Memory DDR5 with 4800 MT/s memory speed .Should support scalability up to 2 TB without having to replace the existing DIMMs.	With 1.5 TB memory already populated with memory expandibility upto 2 TB RAM results into 75 % capacity utilisation , leaving only 25% headroom for future expandibility .Considering today's virtualised new age workloads like CRM/database/ analytics which are memory intensive applications . Hence having sufficient memory headroom would be critical . We highly recommend scalability upto 3 TB / or upto 4 TB without having to replace the existing DIMMs. Scabality should be achieved by addition of similar size DIMMs as populated in initial memory configuration to ensure balanced memory and optimal system performance.	No Change, as per RFP
215	66	GPU Rack Servers Type 1 (Category 5)	64 cores each socket, dual socket-128 cores (AMD EPYC 9534 or Intel Xeon Platinum 8592V/8592+	**Generation**: Intel Xeon 8592V/8592+ processors are 5th generation based procesors whereas AMD EPYC™ 9534 is 4th Generation processor launched in Oct'22 . Hence comparison of Intel 5th Gen 8592V/8592+ processors should be with 5th Generation AMD EPYC™ Processors 9535. Comparing equitable generation processors will ensure a level playing field with neutral and competitive specifications.	No Change, as per RFP
216	66	GPU Rack Servers Type 1 (Category 5)	Each Server should be installed with minimum 2 TB Memory DDR5 or higher RDIMM with 4800MT/s memory speed.Should support scalability for at least 3 TB without having to replace the existing DIMMs	With 2 TB memory already populated with memory expandibility upto 3 TB RAM results into ~ 66 % capacity utilisation , leaving only ~33% headroom for future expandibility .Considering Generative AI / Machine learning , Deep Learning workloads which are memory intensive applications ,hence having sufficient memory headroom would be critical . We highly recommend scalability upto upto 4 TB without having to replace the existing DIMMs. Scabality should be achieved by addition of similar size DIMMs as populated in initial memory configuration to ensure balanced memory and optimal system performance.	No Change, as per RFP
217	67	GPU Rack Servers Type 2 (Category 6)	64 cores each socket, dual socket-128 cores (AMD EPYC 9534 or Intel Xeon Platinum 8592V/8592+	**Generation**: Intel Xeon 8592V/8592+ processors are 5th generation based procesors whereas AMD EPYC™ 9534 is 4th Generation processor launched in Oct'22 . Hence comparison of Intel 5th Gen 8592V/8592+ processors should be with 5th Generation AMD EPYC™ Processors 9535. Comparing equitable generation processors will ensure a level playing field with neutral and competitive specifications.	No Change, as per RFP
218	67	GPU Rack Servers Type 2 (Category 6)	Each Node must be configured with Nvidia 8 x H200 141 GB GPUs (SXM) connected via Nvidia Nvlink with NV Switch or AMD Instinct 8 x MI300X 192 GB GPUs (OAM) connected via AMD Infinity Fabric. The total aggregate memory per node from the GPUs should be at least 1128 GB. Solution should come with all required licenses (including Nvidia AI enterprise / equivalent) for GPU slicing with VMware, Nvidia enterprise tech support, training, Inferencing etc.	For Gen AI , Machine Learning, Deep Learning workloads Intel has the Gaudi® 3 AI Accelerator. This supports 128 GB RAM per card. For 8 Cards total is 1024 GB. We request Intel Gaudi® 3 AI Accelerator be included .Suggest changes as follows : Each Node must be configured with Nvidia 8 x H200 141 GB GPUs (SXM) connected via Nvidia Nvlink with NV Switch or AMD Instinct 8 x MI300X 192 GB GPUs (OAM) connected via AMD Infinity Fabric or 8x Gaudi 3 128 GB cards on a OAM base board peer to peer networked. . The total aggregate memory per node from the GPUs should be at least 1024 GB.Solution should come with all required licenses (including Intel AI enterprise / equivalent). Enterprise tech support, training, Inferencing etc.	Please refer Corrigendum No. 1
219	67	GPU Rack Servers Type 2 (Category 6)	Each Server should be installed with minimum 3 TB Memory DDR5 or higher RDIMM with 4800 MT/s memory speed	With 3 TB memory already populated and no expandibility mentioned results into 100 % capacity utilisation , leaving 0% or no headroom for future expandibility .Considering Gen AI , Machine Learning and Deep Learning workloads which are memory intensive applications ,hence having sufficient memory headroom would be critical . We highly recommend scalability upto upto 4 TB without having to replace the existing DIMMs. Scabality should be achieved by addition of similar size DIMMs as populated in initial memory configuration to ensure balanced memory and optimal system performance.	No Change, as per RFP
220	68	GPU Rack Servers Type 2 (Category 6) 13. Ethernet Controller	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 splitable 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 must provide suitable intermediary switches to connect with Top of the Rack Switch. Backend: - 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*10 G Port	For Intel Gaudi 3 systems for backend connectivity Intel supports 800Gbe OSFP ports for scale out. We request inclusion of the 800GBe for backend connectivity as an option .Specifications suggested as follows: The bandwidth requirement is as below: Frontend: - In band + Storage Network:- 2 * 200 G Nvidia BF3 NIC per Server OR In band + Storage Network:- 2 * 200 G NIC per Server. The 2x200 G network should be splitable 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 must provide suitable intermediary switches to connect with Top of the Rack Switch. Backend: - 8x400G per server (GPU to GPU using InfiniBand/Ethernet switches and CX7 NIC). OR 6x800Gbe OSFP ports for scale out. Optic Cables and Transievers to connect the system to the switch. The InfiniBand/Ethernet switches needs to be supplied by bidder. OOB Mgmt.: - 2*10 G Port	Please refer Corrigendum No. 1