

S.no	Bidder	Section	Clause	Query	Other Bidder Comments	Bank Response	Type	
1	Meganet		The bidder should have a yearly turnover of Rs. 100 Crores in India for atleast 3 out of last 5 financial years 2018-19, 2019-20, 2020-2021, 2021-2022, 2022-2023 as per the audited Financial Statements. Bidder should provide audited Profit & Loss Statement along with auditor/ Chartered Accountant certificate.	Can we provide consolidated Turnover i.e. joint venture.		JV not permitted	Clarification	
2	Meganet		The bidder should have successfully supplied Servers (Rack server or Blade servers) and its associated software deployed at Customer's DC and DR in Indian Market in the last 5 years 2019, 2020, 2021, 2022 and 2023 for a minimum of 3 PSU Bank or Scheduled Commercial Bank, NBFC, Insurance Company, PSU, Private Organization in India	Will it be Ok ?		Rack server to be supplied in DC and DR. Work station not recommended	Clarification	
3	Meganet							
4	Meganet			that We will provide Rack Server and Workstation experience in DC & DR			Rack server to be supplied in DC and DR. Work station not recommended	Clarification
5	Meganet		The bidder should be an Authorized partner/reseller of the equipment being quoted in the bid	Does every Equipment need Authorization?		Yes	Clarification	
6	Meganet		VMWARE with 5 years	VMware does not provide 5 years warranty to Indian Manufactures, so how will we Quote		Please refer to the amendment	Amendment	
7	Meganet		The bidder to Deploy Onsite Engineers as above who will be available from (9 am to 6 pm) on all days each site of Bank's DC, Chennai and DR, Hyderabad who will be working Bank's IT Team on day to day basis for hardware and software management.	Please clarify that you need Engineers onsite.		Yes onsite engineers required	Clarification	
8	Meganet		2000000 EMD	Does MSME small services Category is applicable to EMD exemption?		EMD exempted for MSEs who have valid Udyam certificate and are verified in GeM	Clarification	
9	Frontier	(2x32) – Rack Server	Each server must be provided with minimum 2 latest Intel Xeon Scalable Sapphire Rapid processors or higher, each having 32 Cores with clock speed atleast 2.4 GHz or equivalent or higher	Request to change to proc with 2.2Ghz ( 32C )		Please adhere to terms and conditions of bid	Clarification	
10	Frontier		atleast 2 x 240 GB SSD SAS hot-plug Disk Drive configured in raid 1	Request change to SSD SATA / NVMe		Please adhere to terms and conditions of bid	Clarification	
11	Frontier		1. Minimum 2*10Gbps Ethernet ports per node have to be included. All ports need to be independent so as to provide high availability and	2 ports of 10G will be on single card , 4 ports of 1G will be on single card			Please refer to the amendment	Amendment
12	Frontier		2. Minimum 4*1Gbps Ethernet ports per node have to be included. All ports need to be independent so as to provide high availability				Please refer to the amendment	Amendment
13	Frontier		The ethernet cards should support various kinds of bonding available.				Please refer to the amendment	Amendment
14	Frontier		Redundant Hot Plug High Speed Cooling Fans.					
15	Frontier		At least Two (2) USB 3.0 connector or higher for security key devices and USB drive keys	request to change to 2 * USB 2.0/3/0 & pls elaborate on USB Drive Keys			Please adhere to terms and conditions of bid	Clarification
16	Frontier		Windows Server 2022 or Latest Windows Server Operating System, SUSE Enterprise Linux 10 and Higher, RHEL Linux 9 and higher, VMWARE ESXi latest edition	Server supports SuSE Linux ES 15			Please refer to the amendment	Amendment
17	Frontier		5 Years 24/7 Warranty Support with 30 minutes Response Time and 6 hours Repair Time. Defective disk shall not be returned back to the OEM. Successful Bidder must provide documentary proof from OEM post installation of the Hardware	Request change to 24/7 4 Hrs Response			Please adhere to terms and conditions of bid	Clarification
18	Frontier		Each server must be provided with minimum 1 latest Intel Xeon Scalable Sapphire Rapid processors or higher, each having 32 Cores with clock speed atleast 2.4 GHz or equivalent or higher	Request to change to proc with 2.2Ghz ( 32C )			Please adhere to terms and conditions of bid	Clarification
19	Frontier		atleast 2 x 240 GB SSD SAS hot-plug Disk Drive configured in raid 1	Request change to SSD SATA / NVMe			Please adhere to terms and conditions of bid	Clarification

Technical Specification for Server Type 1

20	Frontier		1. Minimum 2*10Gbps Ethernet ports per node have to be included. All ports need to be independent so as to provide high availability and	2 ports of 10G will be on single card , 4		Please refer to the amendment	Amendment
21	Frontier		2. Minimum 4*1Gbps Ethernet ports per node have to be included. All ports need to be independent so as to provide high availability	ports of 1G will be on single card		Please refer to the amendment	Amendment
22	Frontier		At least Two (2) USB 3.0 connector or higher for security key devices and USB drive keys	request to change to 2 * USB 2.0/3/0 & pls elaborate on USB Drive Keys		Please adhere to terms and conditions of bid	Clarification
23	Frontier		Windows Server 2022 or Latest Windows Server Operating System, SUSE Enterprise Linux 10 and Higher, RHEL Linux 9 and higher, VMWARE ESXi latest edition	Server supports SuSE Linux ES 15		Please refer to the amendment	Amendment
24	Frontier		5 Years 24/7 Warranty Support with 30 minutes Response Time and 6 hours Repair Time. Defective disk shall not be returned back to the OEM. Successful Bidder must provide documentary proof from OEM post installation of the Hardware	Request change to 24/7 4 Hrs Response		Please adhere to terms and conditions of bid	Clarification
25	Frontier		Each server must be provided with minimum 1 latest Intel Xeon Scalable Sapphire Rapid processors or higher, each having 32 Cores with clock speed atleast 2.6 GHz or equivalent or higher	Request to change to proc with 2.2Ghz ( 32C )		Please adhere to terms and conditions of bid	Clarification
26	Frontier		atleast 2 x 240 GB SSD SAS hot-plug Disk Drive configured in raid 1	Request change to SSD SATA / NVMe		Please adhere to terms and conditions of bid	Clarification
27	Frontier		1. Minimum 2*10Gbps Ethernet ports per node have to be included. All ports need to be independent so as to provide high availability and			Please refer to the amendment	Amendment
28	Frontier		2. Minimum 4*1Gbps Ethernet ports per node have to be included. All ports need to be independent so as to provide high availability	2 ports of 10G will be on single card , 4		Please refer to the amendment	Amendment
29	Frontier		The ethernet cards should support various kinds of bonding available.	ports of 1G will be on single card		Please refer to the amendment	Amendment
30	Frontier		At least Two (2) USB 3.0 connector or higher for security key devices and USB drive keys	request to change to 2 * USB 2.0/3/0 & pls elaborate on USB Drive Keys		Please adhere to terms and conditions of bid	Clarification
31	Frontier		Windows Server 2022 or Latest Windows Server Operating System, SUSE Enterprise Linux 10 and Higher, RHEL Linux 9 and higher, VMWARE ESXi latest edition	Server supports SuSE Linux ES 15		Please refer to the amendment	Amendment
32	Frontier		5 Years 24/7 Warranty Support with 30 minutes Response Time and 6 hours Repair Time. Defective disk shall not be returned back to the OEM. Successful Bidder must provide documentary proof from OEM post installation of the Hardware	Request change to 24/7 4 Hrs Response		Please adhere to RFP terms and conditions	Clarification
33	Frontier	2. TOR Switch – 2 nos. at DC; 2 nos. at DR	Switsh solution must support Micro Segmentation for the Virtualized and Non - Virtualized environments also (Baremetal, Container).	Switsh solution must support Micro Segmentation for the Virtualized and Non- Virtualized environments also (Baremetal, Container) such as VmWare, Hyper-v, RHEL etc	In Hetrogenous Data Center environments integration with different Virtualizations platforms is must requirement to avoid any lock with any underlying virtualization layer to avoid any applications dependency issues, so kindly add as requested.	Please adhere to terms and conditions of bid	Clarification
34	Frontier	2. TOR Switch – 2 nos. at DC; 2 nos. at DR	The switching solution must integrate with different virtual machine manager viz. Vmware vCenter, Microsoft Hyper-V with System Center, Kubernetes, Redhat Openshift and manage virtualise networking from the single pane of Glass	Please modify as "The switching solution must integrate with different virtual machine manager viz. Vmware vCenter, Microsoft Hyper-V, Nutanix AHV with System Center, Kubernetes, Redhat Openshift and manage virtualise networking from the single pane of Glass"	The Switching Solution should support integration with leading virtualisation platforms such as VmWare, Hyper-V & Nutanix used in Banking environment. This ensures that the solution is future proof	Please refer to the amendment	Amendment

35	Frontier	2. TOR Switch – 2 nos. at DC; 2 nos. at DR	The Switch should support intelligent buffer management with a minimum buffer of 38 MB.	Please modify as "The Switch should support intelligent buffer management with a minimum buffer of 38 MB. Device should be based on simple and intelligent shared-memory egress buffered architecture that simplifies the system buffer management and queuing implementation."	Fabric switches with Intelligent buffer mechanism helps in capability to distinguish mice and elephant flows and reduces the longer queuing latency with classification and queuing mechanisms to identify critical flows inside Data Center and prioritize them accordingly so that Critical traffic is not impacted or dropped. So to reduce overall performance and reduce cost this must be added	Please refer to the amendment	Amendment
36	Frontier	Scope of work	Bidder to Supply and Install Servers, TOR Switches, SAN Switches and Racks, <b>Vmware ESXi</b> , RedHat Enterprise Operating System, Windows Server Operating System, <b>VMware vCloud Suite</b> , at Bank's DC and DR Site	Request you to modify as "Bidder to Supply and Install Servers, TOR Switches, SAN Switches and Racks, RedHat Enterprise Operating System, Windows Server Operating System, along with <b>VmWare vSphere Foundation - with all its subcomponents such as</b> <b>1. vSphere Enterprise Plus</b> <b>2. vCenter Server Standard</b> <b>5. Aria Suite Standard</b> <b>a. Aria Operations ADC</b> <b>b. Aria Operations for Logs</b> as well as VmWare SRM at Bank's DC and DR Site"	VMWARE by Broadcom has simplified the solution portfolio with effect from 11th Dec 2023. With this, the VmWare vCloud Suite Standard & VmWARE vCenter is combined in to a single product named 'VmWare vSphere Foundation'	Please refer to the amendment	Amendment
37	Frontier	Commercial Bid	<b>RHEL Virtual DC - Premium</b> (Socket Pair Licensing) (Each Qty entitles Bank to run unlimited RHEL VMs on the 2 CPU based server).	Requesting Bank to confirm RHEL Virtual DC Premium with Satellite or Only RHEL Virtual DC Premium Licenses		Please refer to the amendment	Amendment
38	Frontier		16 (8 at DC, Chennai and 8 at DR, Hyderabad)			Please refer to the amendment	Amendment
39	Frontier	Commercial Bid	<b>Microsoft Windows</b> Data Centre Edition with SA (with 3 years ATS) with corresponding CAL licenses.	Requesting Bank to Confirm the No of CAL Licenses and Please confirm Device CALs or User CALs.		Please refer to the amendment	Amendment
40	Frontier		416 cores (208 at DC; 208 at DR)			Please refer to the amendment	Amendment
41	Frontier	Bid Details	EMD Value:2000000	For EMD(20,00,000): Bank Guarantee can be given instead of DD.		Please adhere to terms and conditions of bid	Clarification
42	Frontier	Payment Terms	Delivery of Hardware/ appliances and Software/ Licenses and deployment of FM resources	100% payment for the licenses subject to the RFP and according to the OEM Policy and Price.		Please refer to the amendment	Amendment
43	Frontier					Please refer to the amendment	Amendment
44	Frontier					Please refer to the amendment	Amendment
45	Frontier					Please refer to the amendment	Amendment
46	Frontier	SLA	Manpower management	Bank to confirm whether service window need to be given for 24/7.		Hardware and Software solution must have the uptime as specified in the RFP.	Clarification

47	Skylark	Technical Specifications - Rack/Blade Server	Point 17 - Expansion Slots - Minimum of 3 PCI-e based slots supporting Ethernet/FC adapters and minimum of 2 slots should be available free after population of all the required cards as per the technical specification.	In Type-1 servers - 2 slots free is asked post population and in Type 2 & 3 servers, it is not asked. Just wanted to clarify whether 2 slots free is required in Type 1 servers ? Because this will help us to decide server models accordingly. (1U-2U etc). There is no challenge in giving 2 free slots but that will determine the server models and cost associated to it. so kindly clarify us here.		Type 1 servers are the actual servers which takes the production loads and type 2 & 3 are the interface servers. Hence free slots are required for type 1 servers.	Clarification
48	Skylark	Technical Specifications - Rack/Blade Server	The proposed Hardware and Software generation should not be less than year from the date of RFP submission and the proposed Hardware and Software should not become End of Sales for two years from the date of the submission of the RFP and End of Life for 7 years from the date of the submission of the RFP	The proposed Hardware and Software should not become End of Sales for one year from the date of submission of the RFP & should not become End of support life for 5 years from the date of submission of the RFP		Please refer to the amendment	Amendment
49	Skylark	Technical Specifications - SAN Switch	3. Minimum Dual SAN switches shall be configured where each SAN switch shall be configured with minimum of 24 Ports and provision for future expansion must be provided	Please specify the scalability of ports required on the Proposed SAN Switch. This is to Ensure ports scalability within the Switch are proposed by Bidders		Scalability is factored in the requirement. Any future expansion must be possible on the same device. No additional SAN must be provided	Clarification
50	Skylark	Technical Specifications - SAN Switch	10. The switch shall provide Aggregate bandwidth of 768 Gbit/sec end to end	Aggregate bandwidth to be amended to 1536 Gbit/ sec. Aggregate bandwidth asked is 768 Gbit/sec, this can be met with 32Gbps x 24 ports itself, Hence amend this to 1536 Gbit/sec		Please refer to the amendment	Amendment
51	Skylark	Technical Specifications - SAN Switch	14. The switch shall be able to support ISL trunk up to 256 Gbit/ sec between a pair of switches for optimal bandwidth utilization and load balancing	Please specify necessary licenses to enable ISL Trunking should be included in the Solution		Licenses required for ISL trunking to be provided by the bidder;	Clarification
52	Skylark	Technical Specifications - SAN Switch	25. The proposed Hardware and Software generation should not be less than year from the date of RFP submission and the proposed Hardware and Software should not become End of Sales for two years from the date of the submission of the RFP and End of Life for 7 years from the date of the submission of the RFP	The proposed Hardware and Software should not become End of Sales for one year from the date of submission of the RFP & should not become End of support life for 5 years from the date of submission of the RFP		Please adhere to terms and conditions of bid	Clarification
53	Skylark	SAN Switch Additional query		Please specify Switch should be supplied with redundant power supplies		Please refer to the amendment	Amendment
54	Skylark	Technical Specifications - TOR Switch	The switch should support 1.0 Million IPv4 LPM routes.	Request to amend to Qualify all the OEMs The switch should support 1 Lakh IPV4 unicast Routes		Please refer to the amendment	Amendment
55	Skylark	Technical Specifications - TOR Switch	The Switch should support intelligent buffer management with a minimum buffer of 38 MB.	Request to amend to Qualify all the OEMs "The Switch should support intelligent buffer management with a minimum buffer of 32 MB"		Please refer to the amendment	Amendment
56	Skylark	Technical Specifications - TOR Switch	The switch should support 8K multicast routes	Request to amend to Qualify all the OEMs, Since it's DC TOR environment 7K Multicast is more than sufficient "The switch should support 7K multicast routes" request to amend the same.		Please refer to the amendment	Amendment
57	Skylark	Technical Specifications - TOR Switch	Switch should support 64 nos of ECMP paths	Request to amend this clause to "Switch should support 8 nos of ECMP paths" 64 ECMP is favouring to the OEMs Actually 8 Nos will be more than Sufficient in the real time environment.		Please refer to the amendment	Amendment

58	Skylark	Technical Specifications - TOR Switch	Switch should support minimum 1 Tbps of switching capacity	TO achieve Non-Blocking Architecture we require min 4 Tbps request to amend this clause to "Switch should support minimum 4 Tbps of switching capacity"		Please refer to the amendment	Amendment
59	Skylark	Technical Specifications - TOR Switch	Switch solution must support Micro Segmentation for the Virtualized and Non - Virtualized environments also (Baremetal, Container).	when Bank is creating the Fabric Architecture, Fabric Orchestrator will do all the Functionality Since its TOR Switch requirement request to remove this Clause.		Please adhere to terms and conditions of bid	Clarification
60	Skylark	Technical Specifications - TOR Switch	The switching solution must integrate with different virtual machine manager viz. Vmware vCenter, Microsoft Hyper-V with System Center, Kubernetes, Redhat Openshift and manage virtualise networking from the single pane of Glass	Request to amend this clause to "The switching solution must integrate with different virtual machine manager viz. Vmware vCenter and manage virtualise networking from the single pane of Glass. Or API based intergration should be support by the Switch solution.		Please refer to the amendment	Amendment
61	Skylark	Technical Specifications - TOR Switch	Maximum number of port channels should be 500	It's Vendor specific count " Request to Amend this clause to Min 128 No's of LAG interface"		Please refer to the amendment	Amendment
62	Skylark	Technical Specifications - TOR Switch	Maximum no of ports in the port channel should be 32	It's Vendor specific count " Request to Amend this clause to Min 16 Nos"		Please refer to the amendment	Amendment
63	Skylark	Technical Specifications - TOR Switch	The switch should support BGP EVPN Route Type 2, Type 4 and Route Type 5 for the overlay control plane	The switch should support BGP EVPN Route Type 2 and Route Type 5 for the overlay control plane		Please refer to the amendment	Amendment
64	Skylark	Technical Specifications - TOR Switch	Telnet	Request to remove this clause as it's Plain text protocol we support Secure shell access SSH		Please adhere to the RFP terms and conditions	Clarification
65	Skylark	Technical Specifications - TOR Switch	Stacking / VPC - (Active / Active HA) must be support for interconnecting more than 1 switch wherever required	Stacking is used for Campus environment DC Environment We recommend to use Active Active cluster VPC / MLAG Functionality with dual control plane Deployment, Please remove the Stacking.		Please refer to the amendment	Amendment
66	Skylark	Technical Specification - Type 1, Typ2 , Type 3 Servers	Server 10Gb Ethernet Port	Do you required Copper or Fiber		Fiber	Clarification
67	Skylark	Technical Specification - Type 1, Typ2 , Type 3 Servers	atlest 2x240GB SAS SSD Hot plug	All the boot drives are SATA ( Eg:240GB SATA , 480GB SATA ) , requesting you to change this spec to SATA/ SAS instead of SAS		Please adhere to terms and conditions of bid	Clarification
68	Skylark	17 - Technical Specification - Type 2,3 Servers	Expansion slots minimum of 3 PCI slots supporting FC/Ethernet	Single processor server there will not be any free PCIe Slots Since the tender already requested 3 add on PCIe Devices , So requesting you to change this point		Please adhere to terms and conditions of bid	Clarification
69	Skylark	Technical Specifications Type 1, 2 , 3	Minimum 2*10Gbps Ethernet ports per node have to be included. All ports need to be independent so as to provide high availability	Do you mean 2 Nos of 10Gb separate card & 4x1GB single Card ,		Please refer to the amendment	Amendment
70	Skylark	Technical Specifications Type 1, 2 , 3	Minimum 4*1Gbps Ethernet ports per node have to be included. All ports need to be independent so as to provide high availability	in Type 2 , Type 3 Server with Single Processor its not possible to accommodate , requesting you to change dual port 10Gb & Single 4 Port 1Gb and Dual port 32GB FC HBA		Please refer to the amendment	Amendment

71	Skylark	<b>FMS Scope of work</b>	<b>FMS is required for 9am to 6pm for all days (366 days in leap year)</b>	managing infra with 366 days with 3 resource means , there wont be any options for leave , requesting to change the FMS requirement to bank office hours and bank working days , otherwise the leave mangement cannot be done with 3 resources		Please refer to the amendment	Amendment
72	Skylark	<b>Project Scope of work</b>	Engineer Certification rquirement Compatia IT Server	For the above certificate shall we consider HPE / OEM Certification as equalant		OEM equivalent certification is accepted as per RFP terms	Clarification
73	Skylark		Compatia Network			OEM equivalent certificatoin will be accepted as per RFP terms	Clarification
74	Skylark	<b>Payment terms - Documentation</b>	you had mentioned that project sign off after application go live	if application having any issue other than the Supplied materials for Going Live , kindly requesting to sign-off for the products delivered by us		since these are very critical implementations. Bank will decide to provide go live if the golive is delayed due to application issue	Clarification
75	Skylark	<b>Scope of work Point 6</b>	Entire workflow should be built considering various scenarios like change in storage m network , OS flavour, memory T shirt sizing to be provided and user should be able to choose combination of OS m application (MMSQL , oracle RAC , Apache , web logic , Tomcat) T Shirt size and platform while deploying	Requesting Bank to clarify this point , we need More details about it , Do you required any 3 rd pary tool or only required the Vloud Suite and OEM tools		If these services are available in VMWare solution, then the same needs to be configured and deployed.	Clarification
76	Skylark	<b>Scope of work Point 7</b>	the bidder/OEM should provide a dashboard that renders application wise details / department / project wise details about the infrastructure and application consumed by the bank running on the vmware platform	Like One view , other than 3rd party the default tools will have the limited features , if this has to be quoted seperately requesting to provide the proper Spec for this seperately Do we need to consider any 3rd party monitoring / ticketing tool		If these services are available in VMWare solution, then the same needs to be configured and deployed.	Clarification
77	Skylark	<b>Scope of work Point 7</b>	Existing Dashboards will auto recognize and accomodate addition of new ESXi hosts or clusters added in the vSphere infrastructure.			If these services are available in VMWare solution, then the same needs to be configured and deployed.	Clarification
78	Skylark	<b>Scope of work Point 10</b>	The bidder / OEM should design and deploy monitoring and logging solution between DC and DR	do you required additional 3rd party monitoring & ticketing tool , the native Hardware OEM don't have this complete features		Monitoring and logging features of OEM's server management utility and features available in vmware must be utilized and configured	Clarification
79	Skylark	<b>Scope of work Point 11</b>	the bidder and OEM hould ensure design and deployment of network virtualization solution for 2 sites the network virtualization solution should provide micro segmentation	need to clarify this point , do we need to consider any additional 3rd party tool ? Requesting the bank to provide the clarification about this point		scope to be achieved using functionality available in vmware	Clarification
80	Skylark	<b>Scope of work Point 12</b>	The bidder and OEM should design and depoy the configuration mangement ool	need to clarify this point , do we need to consider any additional 3rd party tool ? Requesting the bank to provide the clarification about this point		scope to be achieved using functionality available in vmware	Clarification
81	Skylark	<b>Scope of work Point 13</b>	The solution should provide an agentless stateful distributed firewall such that the micro segmentation is provided closest to the application/source without any dependency operating system and underlying hardware	need to clarify this point , do we need to consider any additional 3rd party tool ? Requesting the bank to provide the clarification about this point		scope to be achieved using functionality available in vmware	Clarification

82	Skylark	Technical Specification -Rack	OEM Rack Intelligent PDU	Shall we quoted different OEM for Rack , Intelligent PDU is currently not available , so requesting you to remove the intelligent PDU part or requesting you to change the clause to quote any OEM rack other than the server hardware	OEM Rack or equalent rack with the specifications mentioned can be provided.	Clarification
83	Skylark	Commercial Bid	VMWARE vCloud Suite Standard - Perpetual (with 5 year ATS)	VMware by Broadcom cannot sell perpetual licenses and all our SKU's are be core based Subscription , so Requesting you to change the perpetual with Subscription SKU	Please refer to the amendments	Amendment
84	Skylark	Payment terms - Documentation	License Cost	Kindly requesting to modify the license payment cost to 80% against the delivery & remaining 20% with the project sign-off	Please refer to the amendments	Amendment
85	Skylark	Project milestone and timeline	Total time for Delivery of Hardware as quoted in the bid at both the sites (Chennai & Hyderabad) should not exceed Six (8) Weeks from the date of PO.	Kindly requesting to changes as "Total time for Delivery of Hardware as quoted in the bid at both the sites (Chennai & Hyderabad) should not exceed 12 Weeks from the date of PO."	Please refer to the amendments	Amendment
86	Skylark	Project milestone and timeline	Total time for installation and setup of the solution as per the requirement of the Bank to be completed within Four (4) weeks from the date of Delivery of Hardware.	Kindly requesting to change as "Total time for installation and setup of the solution as per the requirement of the Bank to be completed within eight (8) weeks from the date of Delivery of Hardware.	Please adhere to terms and conditions of bid	Clarification
87	Skylark	Technical Specifications - Rack/Blade Server	Point 17 - Expansion Slots - Minimum of 3 PCI-e based slots supporting Ethernet/FC adapters and minimum of 2 slots should be available free after population of all the required cards as per the technical specification.	In Type-1 servers - 2 slots free is asked post population and in Type 2 & 3 servers, it is not asked. Just wanted to clarify whether 2 slots free is required in Type 1 servers ? Because this will help us to decide server models accordingly. (1U-2U etc). There is no challenge in giving 2 free slots but that will determine the server models and cost associated to it. so kindly clarify us here.	Type 1 servers are the actual servers which takes the production loads and type 2 & 3 are the interface servers. Hence free slots are required for type 1 servers.	Clarification
88	Skylark	Technical Specifications - Rack/Blade Server	The proposed Hardware and Software generation should not be less than year from the date of RFP submission and the proposed Hardware and Software should not become End of Sales for two years from the date of the submission of the RFP and End of Life for 7 years from the date of the submission of the RFP	The proposed Hardware and Software should not become End of Sales for one year from the date of submission of the RFP & should not become End of support life for 5 years from the date of submission of the RFP	Please adhere to terms and conditions of bid	Clarification
89	Skylark	Technical Specifications - SAN Switch	3. Minimum Dual SAN switches shall be configured where each SAN switch shall be configured with minimum of 24 Ports and provision for future expansion must be provided	Please specify the scalability of ports required on the Proposed SAN Switch. This is to Ensure ports scalability within the Switch are propoed by Bidders	Scalability is factored in the requirement. Any future expansion must be possible on the same device. No additional SAN must be provided	Clarification
90	Skylark	Technical Specifications - SAN Switch	10. The switch shall provide Aggregate bandwidth of 768 Gbit/sec end to end	Aggregate bandwidth to be amended to 1536 Gbit/ sec. Aggregate bandwidth asked is 768 Gbit/sec, this can be met with 32Gbps x 24 ports itself, Hence amend this to 1536 Gbit/sec	Please refer to the amendments	Amendment

91	Skylark	Technical Specifications - SAN Switch	14. The switch shall be able to support ISL trunk up to 256 Gbit/ sec between a pair of switches for optimal bandwidth utilization and load balancing	Please specify necessary licenses to enable ISL Trunking should be included in the Solution		Necessary licenses for the ISL trunk functioning to be provided by the bidder	Clarification
92	Skylark	Technical Specifications - SAN Switch	25. The proposed Hardware and Software generation should not be less than year from the date of RFP submission and the proposed Hardware and Software should not become End of Sales for two years from the date of the submission of the RFP and End of Life for 7 years from the date of the submission of the RFP	The proposed Hardware and Software should not become End of Sales for one year from the date of submission of the RFP & should not become End of support life for 5 years from the date of submission of the RFP		Please adhere to terms and conditions of bid	Clarification
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100	Skylark	Technical Specifications - TOR Switch	The switching solution must integrate with different virtual machine manager viz. Vmware vCenter, Microsoft Hyper-V with System Center, Kubernetes, Redhat Openshift and manage virtualise networking from the single pane of Glass	Request to amend this clause to "The switching solution must integrate with different virtual machine manager viz. Vmware vCenter and manage virtualise networking from the single pane of Glass. Or API based intergation should be support by the Switch solution.		Please refer to the amendments	Amendment
101	Skylark	Technical Specifications - TOR Switch	Maximum number of port channels should be 500	It's Vendor specific count " Request to Amend this clause to Min 128 No's of LAG interface"		Please refer to the amendments	Amendment
102	Skylark	Technical Specifications - TOR Switch	Maximum no of ports in the port channel should be 32	It's Vendor specific count " Request to Amend this clause to Min 16 Nos"		Please refer to the amendments	Amendment

103	Skylark	Technical Specifications - TOR Switch	The switch should support BGP EVPN Route Type 2, Type 4 and Route Type 5 for the overlay control plane	The switch should support BGP EVPN Route Type 2 and Route Type 5 for the overlay control plane		Please refer to the amendments	Amendment
104	Skylark	Technical Specifications - TOR Switch	Telnet	Request to remove this clause as it's Plain text protocol we support Secure shell access SSH		Please adhere to the RFP terms and conditions	Clarification
105	Skylark	Technical Specifications - TOR Switch	Stacking / VPC - (Active / Active HA) must be support for interconnecting more than 1 switch wherever required	Stacking is used for Campus environment DC Environment We recommend to use Active Active cluster VPC / MLAG Functionality with dual control plane Deployment, Please remove the Stacking.		Please refer to the amendments	Amendment
106	Skylark	Technical Specification - Type 1, Typ2, Type 3 Servers	Server 10Gb Ethernet Port	Do you required Copper or Fiber		Fiber	Clarification
107	Skylark	Technical Specification - Type 1, Typ2, Type 3 Servers	atlest 2x240GB SAS SSD Hot plug	All the boot drives are SATA ( Eg:240GB SATA , 480GB SATA ) , requesting you to change this spec to SATA/ SAS instead of SAS		Please adhere to terms and conditions of bid	Clarification
108	Skylark	17 - Technical Specification - Type 2,3 Servers	Expansion slots minimum of 3 PCI slots supporting FC/Ethernet	Single proessor server there will not be any free PCIe Slots Since the tender already requested 3 add on PCIe Devices , So requesting you to change this point		Please adhere to terms and conditions of bid	Clarification
109	Skylark	Technical Specifications Type 1, 2, 3	Minimum 2*10Gbps Ethernet ports per node have to be included. All ports need to be independent so as to provide high availability	Do you mean 2 Nos of 10Gb separate card & 4x1GB single Card ,		Please refer to the amendments	Amendment
110	Skylark	Technical Specifications Type 1, 2, 3	Minimum 4*1Gbps Ethernet ports per node have to be included. All ports need to be independent so as to provide high availability	in Type 2 , Type 3 Server with Single Processor its not possible to accommodate , requesting you to change dual port 10Gb & Single 4 Port 1Gb and Dual port 32GB FC HBA		Please adhere to terms and conditions of bid	Clarification
111	Skylark	<b>FMS Scope of work</b>	<b>FMS is required for 9am to 6pm for all days (366 days in leap year)</b>	Requeting to clarify this point (for eg : managing infra with 366 days with 3 resource)		Please refer to the amendments	Amendment
112	Skylark	<b>Project Scope of work</b>	Engineer Certification rquirement Compattia IT Server	For the above certificate shall we consider HPE / OEM Certification as equalant		OEM equivalent certification is accepted as per RFP terms and conditions	Clarification
113	Skylark		Compattia Network			OEM equivalent certification will be accepted as per RFP terms	Clarification
114	Skylark	<b>Payment terms - Documentation</b>	you had mentioned that project sign off after application go live	if application having any issue other than the Supplied materials for Going Live , would you consider to sign off the Project		since these are very critical implementations. Bank will decide to provide go live if the golive is delayed due to application issue	Clarification
115	Skylark	<b>Scope of work Point 6</b>	Entire workflow should be built considering various scenarios like change in storage m network , OS flavour, memory T shirt sizing to be provided and user should be able to choose combination of OS m application (MMSQL , oracle RAC , Apache , web logic , Tomcat) T Shirt size and platform while deploying	Requesting Bank to clarify this point , we need More details about it , Do you required any 3 rd pary tool or only required the Vloud Suite and OEM tools Like One view , other than 3rd party the default tools will have the limited features , if this has to be quoted seperately requesting to provide the proper Spec for this separately. Do we need		If these services are available in VMWare solution, then the same needs to be configured and deployed.	Clarification
116	Skylark	<b>Scope of work Point 7</b>	the bidder/OEM should provide a dashboard that renders application wise details / department / project wise details about the infrastructure and application consumed by the bank running on the vmware platform			If these services are available in VMWare solution, then the same needs to be configured and deployed.	Clarification

117	Skylark	Scope of work Point 7	Existing Dashboards will auto recognize and accommodate addition of new ESXi hosts or clusters added in the vSphere infrastructure.	proper spec for this separately. Do we need to consider any 3rd party monitoring / ticketing tool		If these services are available in VMWare solution, then the same needs to be configured and deployed.	Clarification
118	Skylark	Scope of work Point 10	The bidder / OEM should design and deploy monitoring and logging solution between DC and DR	do you required additional 3rd party monitoring & ticketing tool , the native Hardware OEM don't have this complete features		Monitoring and logging features of OEM's server management utility and features available in vmware must be utilized and configured	Clarification
119	Skylark	Scope of work Point 11	the bidder and OEM hould ensure design and deployment of network virtualization solution for 2 sites the network virtualization solution should provide micro segmentation	need to clarify this point , do we need to consider any additional 3rd party tool ? Requesting the bank to provide the clarification about this point		scope to be achieved using functionality available in vmware	Clarification
120	Skylark	Scope of work Point 12	The bidder and OEM should design and depoy the configuration mangement ool	need to clarify this point , do we need to consider any additional 3rd party tool ? Requesting the bank to provide the clarification about this point		scope to be achieved using functionality available in vmware	Clarification
121	Skylark	Scope of work Point 13	The solution should provide an agentless stateful distributed firewall such that the micro segmentation is provided closest to the application/source without any dependency operating system and underlying hardware	need to clarify this point , do we need to consider any additional 3rd party tool ? Requesting the bank to provide the clarification about this point		scope to be achieved using functionality available in vmware	Clarification
122	Skylark	Technical Specification -Rack	OEM Rack Intelligent PDU	Shall we quoted different OEM for Rack , Intelligent PDU is currently not available , so requesting you to remove the intelligent PDU part or requesting you to change the clause to quote any OEM rack other than the server hardware		OEM Rack or equalant rack with the specifications mentioned can be provided.	Clarification
123	Skylark	Commercial Bid	VMWARE vCloud Suite Standard - Perpetual (with 5 year ATS)	VMware by Broadcom cannot sell perpetual licenses and all our SKU's are be core based Subscription , so Requesting you to change the perpetual with Subscription SKU		Please refer to the amendments	Amendment
124	Skylark	Technical Specification TOR Switch	TOR Switch additional details requirement	Please specify this infra connected with existing Infra network switch Model and make		At present it is cisco however the tor switch is expected to be compatible with all major OEM switches.	Clarification
125	Skylark			Kindly share the Model , part number , Licenshow , chassissshow, supportshow out of the existing SAN Switch		SMB6000B is the existing SAN switch model; Due to security reasons, additional data cannot be shared	Clarification
126	Skylark			what is the distance between existing SAN Switch and the new san switch , is this in same floor or different floor this details required to Plan the SFP and cable		Same floor and same cage; but the racks need not be adjacent. Cage area 450sqft in DC; 125 sqft in DR	Clarification

127	Skylark	Technical Specifications - SAN Switch	ISL to be done with existing SAN Switch	kindly confirm who will do the cabling for connecting the existing san switch and new san switch		Cabling - including tagging, labelling and dressing to be done by the bidder. Racks will be in Same floor and same cage; but the racks need not be adjacent. Cage area 450sqft in DC; 125 sqft in DR	Clarification
128	Skylark			if the existing san switch and new san switch is in different floor of data center than hope the bank will do the cross connect since its having the dependency of the data center provider - Kindly confirm		Same floor and same cage; but the racks need not be adjacent. Cage area 450sqft in DC; 125 sqft in DR	Clarification
129	Skylark	Pre-qualification Criteria	<ul style="list-style-type: none"> <li>The bidder should have successfully installed and maintained VMware Cloud solution (by utilizing Esxi/vCloud Suite/vSphere) with a minimum of 300 Virtual Machines deployed and managed at Customer's DC and DR in Indian Market in the last 5 years 2019, 2020, 2021, 2022 and 2023 for a minimum of 3 PSU Bank or Scheduled Commercial Bank, NBFC, Insurance Company, PSU, Private Organization in India, and should have supplied full-time resident engineer for supporting the solution</li> </ul>	In PO and IR report , or Order generally there wont be the count of VMS , FMS engineer details , shall we able to provide self declaration as proof		Please refer to the amendment	Amendment
130	Skylark	Commercial Bid	TOR mentioned in the Spec not mentioned in the commercial BID , but its there in the tech spec	Tor Switch not mentioned in the commercials BID		Please refer to the amendment	Amendment
131	Skylark	Payment terms - Documentation	License Cost	Kindly requesting to modify the license payment cost to 80% against the delivery & remaining 20% with the project sign-off		Please refer to the amendment	Amendment
132	Skylark	Project milestone and timeline	Total time for Delivery of Hardware as quoted in the bid at both the sites (Chennai & Hyderabad) should not exceed Six (8) Weeks from the date of PO.	Kindly requesting to changes as "Total time for Delivery of Hardware as quoted in the bid at both the sites (Chennai & Hyderabad) should not exceed 12 Weeks from the date of PO."		Please refer to the amendment	Amendment
133	Skylark	Project milestone and timeline	Total time for installation and setup of the solution as per the requirement of the Bank to be completed within Four (4) weeks from the date of Delivery of Hardware.	Kindly requesting to change as "Total time for installation and setup of the solution as per the requirement of the Bank to be completed within eight (8) weeks from the date of Delivery of Hardware.		Please adhere to RFP terms and conditions	Clarification
134	Hitachi	ToR Swich		Please include ToR switch in the commercial bid format	The ToR switch is missing in the commercial bid section	Please refer to the amendment	Amendment
135	Hitachi	Rack Servers/ Blade Servers / Chassis /ToR Switch / SAN Switch	The proposed Hardware and Software generation should be less than one year from the date of RFP submission and the proposed Hardware and Software should not become End of Sales for two years from the date of the submission of the RFP and End of Life for 7 years from the date of the submission of the RFP.	Please modify as "The proposed Hardware and Software generation should not become End of Sales for two years from the date of the submission of the RFP and End of Life / End of Support for 7 years from the date of the submission of the RFP"	It is not possible for any OEM to ensure that the product was released within last 1 year ONLY (that is less than 12 months)	Please adhere to RFP terms and conditions	Clarification

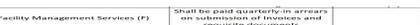
136	Hitachi	VmWare	VMWARE vCloud Suite Standard - Perpetual (with 5 year ATS)	Please change the same to "VMWARE vSphere Foundation - 5 Year Subscription"	<p>1. As of 11th Dec 2023, Broadcom &amp; VmWare has announced that "As part of our transition to subscription and a simplified portfolio, beginning today, <b>we will no longer sell perpetual licenses.</b> All offerings will continue to be available as <b>subscriptions going forward.</b> Additionally, we are ending the sale of Support and Subscription (SnS) renewals for perpetual offerings beginning today."</p> <p>Ref:  <a href="https://www.broadcom.com/blog/vmware-by-broadcom-dramatically-simplifies-offer-lineup-and-licensing-model">https://www.broadcom.com/blog/vmware-by-broadcom-dramatically-simplifies-offer-lineup-and-licensing-model</a>  <a href="https://news.vmware.com/company/vmware-by-broadcom-business-transformation">https://news.vmware.com/company/vmware-by-broadcom-business-transformation</a></p> <p>VMWARE by Broadcom has simplified the solution portfolio with effect from 11th Dec 2023. With this, the VmWare vCloud Suite Standard &amp; VmWARE vCenter is combined in to a single product named '<b>VmWare</b></p>	Please refer to the amendment	Amendment
137	Hitachi	VmWare	VMWARE - vCentre (with 5 year ATS)	Please remove this	VMWARE vCenter is included in the new 'VMWARE vSphere Foundation Subscription'	Please refer to the amendment	Amendment
138	Hitachi	3. SAN Switch – 2 nos. at DC; 2 nos. at DR.	Should protect existing device investments with auto sensing 8, 16, and 32 Gbit/sec capabilities.	Please change this to "Should support connecting servers/storage with auto sensing 8, 16, and 32 Gbit/sec capabilities"	The newly proposed SAN Switches should work with existing Server/Storage devices at 8 or 16 Gbps and new Servers / storage at 32 Gbps.	Please adhere to RFP terms and conditions	Clarification
139	Hitachi	3. SAN Switch – 2 nos. at DC; 2 nos. at DR.	Offered SAN Switch shall support less than 900 nanosecond for port to port	<p>This is single OEM specific clause, we request bank to change it as below</p> <p><b>"Offered SAN Switch shall support less than 900 nanosecond for port to port latency using cut through switching</b></p> <p><b>OR</b></p> <p><b>The Offered SAN Switch shall support less than or equal to 2.5 micro second for port to port latency using store and forward method"</b></p>	<p>There are Only 2 SAN switching OEM in the market , we request bank to provide fair chance for all OEMs to participate in this RFP. Cisco supports 'Store and Forward' SAN switching while Brocade support 'cut through' Switching , hence the change in latency numbers. Switch latency is very very less compared to Storage Controllers in end to end SAN traffic . Both Technologies have it's pros and cons.</p>	Please refer to the amendment	Amendment

140	Hitachi	3. SAN Switch – 2 nos. at DC; 2 nos. at DR.	The proposed SAN Switch must be compatible with the existing SAN model available with Bank (SNM6000B) for communication over ISL protocol	This is single OEM specific clause, we request bank to change it as below  <b>we request to remove this clause as Brocade to not support interoperability with Cisco SAN switches</b>	After FOS v7.0.0, the Brocade SAN switches are not interoperable with Cisco SAN switches. However Bank can setup separate SAN fabrics - one Brocade Fabric & another Cisco MDS Fabric & can be used in the same data center. In this case, all new servers will connect to new SAN switch (say Cisco MDS) and connect to existing Storage. Storage can be connected to both existing Brocade SAN Switch & Cisco MDS at the same time.	Please refer to the amendment	Amendment
141	Hitachi	2. TOR Switch – 2 nos. at DC; 2 nos. at DR	Switch solution must support Micro Segmentation for the Virtualized and Non - Virtualized environments also (Baremetal, Container).	Switch solution must support Micro Segmentation for the Virtualized and Non- Virtualized environments also (Baremetal, Container) such as VmWare, Hyper-v, RHEL etc	In Heterogenous Data Center environments integration with different Virtualizations platforms is must requirement to avoid any lock with any underlying virtualization layer to avoid any applications dependency issues, so kindly add as requested.	Please adhere to RFP terms and conditions	Clarification
142	Hitachi	2. TOR Switch – 2 nos. at DC; 2 nos. at DR	The switching solution must integrate with different virtual machine manager viz. Vmware vCenter, Microsoft Hyper-V with System Center, Kubernetes, Redhat Openshift and manage virtualise networking from the single pane of Glass	Please modify as "The switching solution must integrate with different virtual machine manager viz. Vmware vCenter, Microsoft Hyper-V, <b>Nutanix AHV</b> with System Center, Kubernetes, Redhat Openshift and manage virtualise networking from the single pane of Glass"	The Switching Solution should support integration with leading virtualisation platforms such as VmWare, Hyper-V & Nutanix used in Banking environment. This ensures that the solution is future proof	Please refer to the amendment	Amendment
143	Hitachi	2. TOR Switch – 2 nos. at DC; 2 nos. at DR	The Switch should support intelligent buffer management with a minimum buffer of 38 MB.	Please modify as "The Switch should support intelligent buffer management with a minimum buffer of 38 MB. Device should be based on simple and intelligent shared-memory egress buffered architecture that simplifies the system buffer management and queuing implementation."	Fabric switches with Intelligent buffer mechanism helps in capability to distinguish mice and elephant flows and reduces the longer queuing latency with classification and queuing mechanisms to identify critical flows inside Data Center and prioritize them accordingly so that Critical traffic is not impacted or dropped. So to reduce overall performance and reduce cost this must be added	Please refer to the amendment	Amendment
144	Hitachi	Scope of work	Bidder to Supply and Install Servers, TOR Switches, SAN Switches and Racks, <b>Vmware ESXi</b> , RedHat Enterprise Operating System, Windows Server Operating System, <b>VMware vCloud Suite</b> , at Bank's DC and DR Site	Request you to modify as "Bidder to Supply and Install Servers, TOR Switches, SAN Switches and Racks, RedHat Enterprise Operating System, Windows Server Operating System, along with <b>VmWare vSphere Foundation</b> .	VMWARE by Broadcom has simplified the solution portfolio with effect from 11th Dec 2023. With this, the VmWare vCloud Suite Standard & VMWARE vCenter is combined in to a single product named 'VmWare vSphere Foundation'	Please refer to the amendment	Amendment

145	Hitachi	Scope of Work – (To be done by the Bidder):	Entire workflow should be built considering various scenarios like change in storage (adding disk, removing disk from VM), network, OS flavour, memory i.e., T-shirt sizing has to be provided and user should be able to Choose when requesting VM. User should be able to choose combination of OS, Application (MSSQL Standalone, Oracle RAC, Apache, Weblogic, Tomcat), T-shirt size and platform (vmware) while deploying.	Request you to remove this point	This feature is not part of 'VmWare vCloud Suite Standard - perpetual' which is the original RFP Ask, or the new equivalent 'vSphere Foundation Standard subscription' software. Also, since Bank would be rolling out the new applications - just once, there is no need for a self service portal where an end user can select various VM Size (T-Shirt size etc) from time to time. This is typically used in a Cloud environment where everytime new VM's are provisioned on a regular basis.	If these services are available in VMWare solution, then the same needs to be configured and deployed.	Clarification
146	Hitachi	Scope of Work – (To be done by the Bidder):	The bidder/OEM should provide a dashboard that renders application wise details, Department / Project wise details about the infrastructure and applications consumed by the bank running on the VMware Platform	Request you to remove this point	This feature is not part of 'VmWare vCloud Suite Standard - perpetual' or the new equivalent 'vSphere Foundation Standard subscription' software. This is typically used in a Cloud environment.	If these services are available in VMWare solution, then the same needs to be configured and deployed.	Clarification
147	Hitachi	Scope of Work – (To be done by the Bidder):	The solution should provide an agentless <b>stateful</b> distributed firewall such that the micro segmentation is provided closest to the application/source without any dependency operating system and underlying hardware	Request you to change this as "The solution should provide an agentless distributed firewall such that the micro segmentation is provided closest to the application/source without any dependency operating system and underlying hardware"	The server to server communication (east-west communication) is within a trusted zone, and can either be implemented with stateless or stateful firewall.	Please adhere to the RFP terms and conditions	Clarification
148	Hitachi	Scope of Work – (To be done by the Bidder):	The solution should have capabilities to define security policies on constructs such as IP address, VM names, objects and tags, MAC addresses, Security tags etc.	Please modify as "The solution should have capabilities to define security policies for micro segmentation. It should support segmentation based on constructs such as IP address, VM names, objects and tags / VM tags, MAC addresses etc."		Please adhere to RFP terms and conditions	Clarification
149	Hitachi	Scope of Work – (To be done by the Bidder):	System should support performing load balancing for Layers 4 through 7 based on source/destination IP, application content, relative weight, CPU – Memory Utilization of load balancer(round-robin), least connections, etc.	Please remove this OR change to "It should be possible to integrate with load balancers - physical or virtual - for Layers 4 through 7 based on source/destination IP, application content, relative weight, CPU – Memory Utilization of load balancer(round-robin), least connections, etc."	The RFP does not ask for Load balancer solution (the vCloud Suite Standard does not include load balancer). If required the solution can be integrated with Physical or virtual load balancer from leading Load balancer OEM's	If these services are available in VMWare solution, then the same needs to be configured and deployed.	Clarification
150	Hitachi	Scope of Work – (To be done by the Bidder):	Implementation & Support for other software viz. GitLab, Redis, CI/CD Pipeline, Workflow automation, Kafka, etc. will have to be provided by the bidder	Please remove this, as this is not part of the solution asked.	Please remove this, as this is not part of the solution in TechSpec or Commercial Bid format.	Bidder shall support in integrating the solutions mentioned if needed. Purchase of licence is not in the scope of bidder	Clarification
151	Hitachi	Technical Specification for Server Type 1 (2x32), Type 2(1x32), Type 3 (1x8) Rack Server => Disk Drives	Atleast 2 x 240 GB SSD SAS hot-plug Disk Drive configured in raid 1	Request you to change as "Atleast 2 x 240 GB SSD SAS/SATA hot-plug Disk Drive configured in raid 1"	Please allow SAS/SATA for wider OEM participation. Also, for Booting OS, SAS/SATA does not matter as it is one time task.	Please adhere to terms and conditions of bid	Clarification

152	Hitachi	Technical Specification for Server Type 1 (2x32), Type 2(1x32), Type 3 (1x8) Rack Server => Manageability	Should support unified management suite that can monitor and manage all the servers from the vendor deployed in our data center	Request you to modify as "The OEM for server proposed Should provide a unified management suite that can monitor and manage all the Rack & Blade servers servers (deployed / to be deployed) from the respective OEM in our data center"	The management solution for all servers from a particular vendor makes the management efficient.	Please refer to the amendment	Amendment
153	Hitachi	Technical Specification for Server Type 1 (2x32), Type 2(1x32), Type 3 (1x8) Rack Server => Remote Management	Management software should support integration with popular virtualization platform management software like VMware vCenter & vRealize Operations, and Microsoft System Center & Admin Center	<p>Please modify as "Management software should support integration with popular virtualization platform management software like VMware vCenter / vRealize Operations / Microsoft System Center / Admin Center.</p> <p>The proposed management software should have integrated high availability (without depending on 3rd party / external solution), so that single point of failure of management software/appliance/virtual appliance is eliminated. The management platform should provide automated hardware compatibility checks with OS type, FW and driver versions with recommendations. Also the management platform should provide automation &amp; orchestration workflows for OS deployment, Network switch configurations, Virtualisation related tasks etc"</p>	<p>Every OEM has a different architecture in terms of management solution. So kindly modify this for wider OEM participation</p> <p>The management solution should have high availability capability so that there is no single point of failure and should offer features for automation &amp; orchestration</p>	HA is also part of the SOW. Compatibility across different virtualisation platforms is also required	Clarification

154	Hitachi	Technical Specification for Server Type 1 (2x32), Type 2(1x32), Type 3 (1x8) Rack Server => Security		<p>Request you to add the below server platform security features</p> <p>"Server platform should support the following security features -</p> <ul style="list-style-type: none"> <li>- Multiple hardware roots of trust</li> <li>- Anti-Counterfeit measures</li> <li>- Digitally signed immutable FW signatures</li> <li>- Secure BIOS Recovery</li> <li>- System Lock Down</li> </ul> <p>- Prevention of malicious FW and BIOS from booting and requires cryptographically signed FW to install</p> <p>- Management tool for proactive security advisory alerting and recommendations</p> <ul style="list-style-type: none"> <li>- The proposed OEM for the server should have dedicated corporate centralized team for threat modeling analysis and alerting</li> <li>- system level global security policies with granular access control- Must use polices across the system to enforce set configuration rules with no-drift capable" </li></ul>	Request you to add these points, related to Sever platform security to ensure that Bank gets the best in class & Secure server hardware platform	Please refer to the amendment	Amendment
155	Hitachi	ILO/IDRAC/LOM Ports/software/license	The ILO/IDRAC/LOM/ any other management port should be available and should be additional to the network ports specified in the technical specification. The necessary licenses for remote management of the servers through these ports should be included from day 1 and the edition proposed should be highest edition available with the OEM.	The ILO/IDRAC/LOM/ any other management port should be available and should be additional to the network ports specified in the technical specification. The necessary licenses for remote management of the servers through these ports should be included from day 1 with the mentioned features supported	The license required for each OEM is different depending on the feature set - Hence request you to modify this such that Bank will get the required features on day 1	Please adhere to RFP terms and conditions	Clarification
156	Hitachi	Technical Specification for Server Type 1 (2x32), Type 2(1x32), Type 3 (1x8) Rack Server => DIMM Slots	16 or Higher. Atleast 8 slots should be available free post population of the RAM as per the technic specifications	Request you to modify as " The server should support 32 DIMM slots. Atleast 8 slots should be available free post population of the RAM as per the technic specifications	The Intle Saphire Rapids CPU architecture supports up to 32 DIMM slots in a 2 Socket server configuration. By allowing minimum 16 slots, certain OEM vendors can quote a lower category server which limits the scalability of the server from memory upgrade as required in the future.	Please adhere to RFP terms and conditions	Clarification
157	Hitachi	Payment	20 % of beginning from 2nd ,3rd,4th & 5th Year for Software Lisence	Request to Amend Payment for Software License-70 % against delivery & 30 % against Installation (or) 80 % against delivery of License for 3 Years & 10 % at beginning of 4th & 5th Year	Huge Finance cost will incur as per Rfp Payment Terms for Software Lisence.hence request to Amend payment terms 3 and 2 yrs.	Please refer to the amendment	Amendment

158	Team Computers	11.1 Eligibility Criteria for Bidder	The bidder should have successfully Installed and maintained VMware Cloud solution (by utilizing Esxi/vCloud Suite/vSphere) with a minimum of 300 Virtual Machines deployed and managed at Customer's DC and DR in Indian Market in the last 5 years 2019, 2020, 2021, 2022 and 2023 for a minimum of 3 PSU Bank or Scheduled Commercial Bank, NBFC, Insurance Company, PSU, Private Organization in India, and should have supplied full-time resident engineer for supporting the solution.	Allow Either Cumulative of 300nos VMS or one reference with 250 Vm in BFSI and Minimum 1 BFSI reference of supplied full time engineer for supporting the solution.		Please refer to the amendment	Amendment
159	Team Computers	11.1 Eligibility Criteria for Bidder	The bidder should have direct offices and Service Center at Chennai and Hyderabad with a minimum of 50 support engineers available at both locations together with a majority of them located at Bank's DC location, Chennai. The Postal Address of the service center along with proof of address should be provided with the bid.	The bidder should have direct offices and Service Center at Chennai and Hyderabad with a minimum of 50 support engineers. This can be deployed in chennai, Hyderabad and bangalore in multiple customer datacenter.		Please adhere to RFP terms and conditions	Clarification
160	Team Computers	11.1 Eligibility Criteria for Bidder	The bidder should have OEM Certified engineers on their payroll - at least 5 resources at L2 level certified on Microsoft Windows Server platform and atleast 5 at L2 level resources certified on VMWare.	Request to allow minimum 3 resource on microsoft windows server and 3 resources on Vmware certified reference		Please adhere to RFP terms and conditions	Clarification
161	Team Computers	5. Project milestone and timeline:	Delivery of Hardware for initial Purchase Order: <input type="checkbox"/> Total time for Delivery of Hardware as quoted in the bid at both the sites (Chennai & Hyderabad) should not exceed Six (8) Weeks from the date of PO.	Kindly amend this Delivery Hardware total timeline 10 weeks.		Please refer to the amendment	Amendment
162	Team Computers	18. Liquidated Damages (LD)	On Project Implementation: If the Supplier fails to deliver/install any or all of the Goods or to perform the Services within the period(s) specified in the Contract, the Bank shall, without prejudice to its other remedies under the Contract, deduct from the Contract Price, as liquidated damages, a sum equivalent to 0.50% of the Invoice price of Goods & services for each week or part thereof of delay until actual delivery or performance, up to a maximum deduction of 10%. If the goods are not delivered/installed in time, the Bank may consider termination of the contract.	Kindly amend this clause as, a sum equivalent to 0.50% of the undelivered item of Goods & services for each week up to a maximum deduction of 5%.		Please adhere to RFP terms and conditions	Clarification
163	Team Computers	20. Performance Security	Within 15 days of issue of Purchase Order, the supplier shall furnish to the Bank the performance security amount equivalent to 10% of the contract amount in the form of a Bank Guarantee valid for 63 months with further one-month claim period in the format enclosed (Annexure-V).	PBG be taken at the end of implementation and Valid for 60 month with 1 month claim period		Please adhere to RFP terms and conditions	Clarification
164	Team Computers	7. Bid Security (Earnest Money Deposit)	The Bidder should submit at the time of online submission of Bid, as part of its bid, a bid security / EMD in the form of DD/ Fund transfer/ Bank Guarantee issued by a Scheduled Commercial Bank located in India (other than Indian Bank and its RRBs), in the form provided in the Bidding Documents (Annexure-IV) for a sum of Rs. 20,00,000/- (Rupees Twenty Lakhs only) valid for 225 days from the last date for submission of Bid	As this RFP is on GeM portal and as per GeM GTC clause of "Sellers/ Service Provider having annual turnover of Rs 500 Crore or more, be exempted from furnishing EMD." Kindly confirm.		Yes. Accepted on submission of relevant documents	Clarification
165	Team Computers	4. Payment Terms		Requests you to kindly amend this clause as below,		Please refer to the amendment	Amendment
166	Team Computers			Delivery of Hardware/ appliances and Software/ Licenses 70% of A and E		Please refer to the amendment	Amendment
167	Team Computers			90 % of B , 30% of A and E 10% of 3 month after sign off		Please refer to the amendment	Amendment
168	Team Computers			FMS engineer will be deployed on completion of implementation		Please adhere to RFP terms and conditions	Clarification

169	Team Computers			All Licenses should taken on subscription basis on Year-Year. Payment should based on Yearly invoice value.		Please adhere to RFP terms and conditions	Clarification
170	Team Computers		SLA	as per RFP resources are required for general shift, need clarity on 24x7x265 support.		Please refer to the amendment	Amendment
171	Team Computers		FM resource deployment	Request to allow 12-14 weeks for resource deployment.		Please adhere to RFP terms and conditions	Clarification
172	Team Computers		Implementation & Support for other software viz. GitLab, Redis, CI/CD Pipeline, Workflow automation, Kafka, etc. will have to be provided	Need clarity on support to other software. What will be bidder role in this support,		Bidder shall support in integrating the solutions mentioned if needed. Purchase of licence is not in the scope of bidder	Clarification
173	Team Computers	28,Point 1.B	The Bidder should deploy and install all the hardware and software deployment at Bank's DC and DR and the deployed Hardware, Software should not be connected with any Public cloud network for functioning or monitoring of deployed hardware at Bank's DC and DR, Replication, Analysis etc. Activation and Patch Management activity to be performed for the installed hardware and software has to be discussed and approved by the Bank	<b>For patch management internet connectivity to be provided by the Bank or alternatively satellite server is to be provided by the Bank – Need input and guidance from the BANK</b>		Internet connection will be provided by bank.	Clarification
174	Team Computers	28,point 1.G	The bidder should arrange for an audit/verification from the OEM for certifying the configuration of VMWare and Micro-segmentation parts. The OEM confirmation must be submitted to the Bank by way of email or writing must be submitted to the Bank for obtaining sign-off for the implementation	Kindly change the sign off from OEM to bidder		Please refer to the amendment	Amendment
175	Team Computers	28,Point 1 I	Deployment of Tools, Industry Standard Framework and Resources to monitor the deployed Hardware and Software between Bank's DC and DR	<b>Need more clarity on it – Deployed hardware – Servers, TOR, SAN Switches etc ...</b>		Please adhere to RFP terms and conditions	Clarification
176	Team Computers	29,point 1.1.7	The bidder/OEM should provide a dashboard that renders application wise details, Department / Project wise details about the infrastructure and applications consumed by the bank running on the VMware Platform	Need more clarity on this..		TO monitor the performance of VMs in real time and to enhance or degrade the resources allocated to the VMs we require a dash board	Clarification
177	Team Computers	29,point 1.1.16	Implementation & Support for other software viz. GitLab, Redis, CI/CD Pipeline, Workflow automation, Kafka, etc. will have to be provided by the bidder	Need more clarity on this.What is the purpose behind this.		Bidder shall support in integrating the solutions mentioned if needed. Purchase of licence is not in the scope of bidder	Clarification
178	Team Computers	29,Point 1.1.18	The bidder should arrange for direct OEM training as follows:			Please refer to the amendment	Amendment
179	Team Computers	30 point 1.1.25	Provide personalized workshops with OEM technical subject matter experts to assist with the onboarding of the technology solutions	Please allow OEM or VMware certified partner or VMware certified resource to give training.		Please refer to the amendment	Amendment
182	Team Computers	32,point 7	The FMS team must implement automation scripts and tools to streamline repetitive tasks.	<b>Need clarity on the above, dedicate tool is to be deployed and who will provide compute resources</b>		FMS resource shall do some automation with in the available tools to streamline the resources allocated	Clarification

183	Team Computers	35,serial 4	Core side required port is to be provided by Bank	Need a clarity		Connectivity/Cabling from TOR to Core to be taken care by the bidder. Any transceivers, if required at Core Switch, will be provided by the Bank	Clarification
184	Team Computers	Others	Passive cabling need to be factor by bidder or Bank will provide ?	Need a clarity		Cabling - tagging, dressing and labelling must be done by the bidder	Clarification
185	Team Computers	Others	Uninterrupted power supply upto proposed RACK need to be provided by Bank	Need a clarity		Yes	Clarification
186	Team Computers	TGB Commercial Bid ToR Switch		Please include ToR switch in the commercial bid format	The ToR switch is missing in the commercial bid section	Please refer to the amendment	Amendment
187	Team Computers	Tech Specifications Rack Servers/ Blade Servers / Chassis /ToR Switch / SAN Switch	The proposed Hardware and Software generation should be less than one year from the date of RFP submission and the proposed Hardware and Software should not become End of Sales for two years from the date of the submission of the RFP and End of Life for 7 years from the date of the submission of the RFP.	Please modify as "The proposed Hardware and Software generation should not become End of Sales for two years from the date of the submission of the RFP and End of Life / End of Support for 7 years from the date of the submission of the RFP"	It is not possible for any OEM to ensure that the product was released within last 1 year ONLY (that is less than 12 months)	Please refer to the amendment	Amendment
188	Team Computers	TGB Commercial Bid Sr.8. VmWare	VMWARE vCloud Suite Standard - Perpetual (with 5 year ATS)	Please change the same to "VMWARE vSphere Foundation - 5 Year Subscription"	1. As of 11th Dec 2023, Broadcom & VmWare has announced that "As part of our transition to subscription and a simplified portfolio, beginning today, we will no longer sell perpetual licenses. All offerings will continue to be available as subscriptions going forward. Additionally, we are ending the sale of Support and Subscription (SnS) renewals for perpetual offerings beginning today." Ref: <a href="https://www.broadcom.com/blog/vmware-by-broadcom-dramatically-simplifies-offer-lineup-and-licensing-model">https://www.broadcom.com/blog/vmware-by-broadcom-dramatically-simplifies-offer-lineup-and-licensing-model</a> <a href="https://news.vmware.com/company/vmware-by-broadcom-business-transformation">https://news.vmware.com/company/vmware-by-broadcom-business-transformation</a>  VMWARE by Broadcom has simplified the solution portfolio with effect from 11th Dec 2023. With this, the VmWare vCloud Suite Standard & VmWARE vCenter is combined in to a single product named 'VmWare	Please refer to the amendment	Amendment
189	Team Computers	TGB Commercial Bid Sr. No. 9 Vmware	VMWARE - vCentre (with 5 year ATS)	Please remove this	VMWARE vCenter is included in the new 'VMWARE vSphere Foundation Subscription'	Please refer to the amendments	Amendment
190	Team Computers	Tech Specifications Sr. No 5 3. SAN Switch – 2 nos. at DC; 2 nos. at DR.	Should protect existing device investments with auto sensing 8, 16, and 32 Gbit/sec capabilities.	Please change this to "Should support connecting servers/storage with auto sensing 8, 16, and 32 Gbit/sec capabilities"	The newly proposed SAN Switches should work with existing Server/Storage devices at 8 or 16 Gbps and new Servers / storage at 32 Gbps.	Please adhere to RFP terms and conditions	Clarification

191	Team Computers	Tech Specifications Sr. No 8 3. SAN Switch – 2 nos. at DC; 2 nos. at DR.	Offered SAN Switch shall support less than 900 nanosecond for port to port	This is single OEM specific clause, we request bank to change it as below  <b>"Offered SAN Switch shall support less than 900 nanosecond for port to port latency using cut through switching</b>  <b>OR</b> <b>The Offered SAN Switch shall support less than or equal to 2.5 micro second for port to port latency using store and forward method"</b>	There are Only 2 SAN switching OEM in the market , we request bank to provide fair chance for all OEMs to participate in this RFP. Cisco supports 'Store and Forward' SAN switching while Brocade support 'cut through' Switching , hence the change in latency numbers. Switch latency is very very less compared to Storage Controllers in end to end SAN traffic . Both Technologies have it's pros and cons.	Please refer to the amendments	Amendment
192	Team Computers	Tech Specifications Sr. No 8 3. SAN Switch – 2 nos. at DC; 2 nos. at DR.	The proposed SAN Switch must be compatible with the existing SAN model available with Bank (SNM6000B) for communication over ISL protocol	This is single OEM specific clause, we request bank to change it as below  <b>we request to remove this clause as Brocade to not support interoperability with Cisco SAN switches</b>	After FOS v7.0.0, the Brocade SAN switches are not interoperable with Cisco SAN switches. However Bank can setup separate SAN fabrics - one Brocade Fabric & another Cisco MDS Fabric & can be used in the same data center. In this case, all new servers will connect to new SAN switch (say Cisco MDS) and connect to existing Storage. Storage ca be connected to both existing Brocade SAN Switch & Cisco MDS at the same time.	Please refer to the amendments	Amendment
193	Team Computers	Tech Specifications Sr. No 21 2. TOR Switch – 2 nos. at DC; 2 nos. at DR	Swth solution must support Micro Segmentation for the Virtualized and Non - Virtualized environments also (Baremetal, Container).	Swth solution must support Micro Segmentation for the Virtualized and Non- Virtualized environments also (Baremetal, Container) such as VmWare, Hyper-v, RHEL etc	In Hetrogenous Data Center environments integration with different Virtualizations platforms is must requirement to avoid any lock with any underlying virtualization layer to avoid any applications dependency issues, so kindly add as requested.	Please adhere to RFP terms and conditions	Clarification
194	Team Computers	Tech Specifications Sr. No 23 2. TOR Switch – 2 nos. at DC; 2 nos. at DR	The switching solution must integrate with different virtual machine manager viz. Vmware vCenter, Microsoft Hyper-V with System Center, Kubernetes, Redhat Openshift and manage virtualise networking from the single pane of Glass	Please modify as "The switching solution must integrate with different virtual machine manager viz. Vmware vCenter, Microsoft Hyper-V, <b>Nutanix AHV</b> with System Center, Kubernetes, Redhat Openshift and manage virtualise networking from the single pane of Glass"	The Switching Solution should support integration with leading virtualisation platforms such as VmWare, Hyper-V & Nutanix used in Banking environment. This ensures that the solution is future proof	Please refer to the amendments	Amendment
195	Team Computers	Tech Specifications Sr. No 12 2. TOR Switch – 2 nos. at DC; 2 nos. at DR	The Switch should support intelligent buffer management with a minimum buffer of 38 MB.	Please modify as "The Switch should support intelligent buffer management with a minimum buffer of 38 MB. Device should be based on simple and intelligent shared-memory egress buffered architecture that simplifies the system buffer management and queuing implementation."	Fabric switches with Intelligent buffer mechanism helps in capability to distinguish mice and elephant flows and reduces the longer queuing latency with classification and queuing mechanisms to identify critical flows inside Data Center and prioritize them accordingly so that Critical traffic is not impacted or dropped. So to reduce overall performance and reduce cost this must be added	Please refer to the amendments	Amendment

196	Team Computers	Scope of work 1 a)	Bidder to Supply and Install Servers, TOR Switches, SAN Switches and Racks, <b>Vmware ESXi</b> , RedHat Enterprise Operating System, Windows Server Operating System, <b>VMware vCloud Suite</b> , at Bank's DC and DR Site	Request you to modify as "Bidder to Supply and Install Servers, TOR Switches, SAN Switches and Racks, RedHat Enterprise Operating System, Windows Server Operating System, along with <b>VmWare vSphere Foundation - with all its subcomponents such as</b> <b>1. vSphere Enterprise Plus</b> <b>2. vCenter Server Standard</b> <b>5. Aria Suite Standard</b> <b>a. Aria Operations ADC</b> <b>b. Aria Operations for Logs</b> as well as VmWare SRM at Bank's DC and DR Site"	VMWARE by Broadcom has simplified the solution portfolio with effect from 11th Dec 2023. With this, the VmWare vCloud Suite Standard & VmWARE vCenter is combined in to a single product named 'VmWare vSphere Foundation'	Please refer to the amendments	Amendment
197	Team Computers	Scope of work 1.1 => 6	Entire workflow should be built considering various scenarios like change in storage (adding disk, removing disk from VM), network, OS flavour, memory i.e., T-shirt sizing has to be provided and user should be able to Choose when requesting VM. User should be able to choose combination of OS, Application (MSSQL Standalone, Oracle RAC, Apache, Weblogic, Tomcat), T-shirt size and platform (vmware) while deploying.	Request you to remove this point	This feature is not part of 'VmWare vCloud Suite Standard - perpetual' which is the original RFP Ask, or the new equivalent 'vSphere Foundation Standard subscription' software. Also, since Bank would be rolling out the new applications - just once, there is no need for a self service portal where a end user can select various VM Size (T-Shirt size etc) from time to time. This is typically used in a Cloud environment where everytime new new VM's are provisioned on a regular basis.	If these services are available in VMWare solution, then the same needs to be configured and deployed.	Clarification
198	Team Computers	Scope of work 1.1 => 7	The bidder/OEM should provide a dashboard that renders application wise details, Department / Project wise details about the infrastructure and applications consumed by the bank running on the VMware Platform	Request you to remove this point	This features is not part of 'VmWare vCloud Suite Standard - perpetual' or the new equivalent 'vSphere Foundation Standard subscription' software. This is typically used in a Cloud environment.	If these services are available in VMWare solution, then the same needs to be configured and deployed.	Clarification
199	Team Computers	Scope of work 1.1 => 13	The solution should provide an agentless <b>stateful</b> distributed firewall such that the micro segmentation is provided closest to the application/source without any dependency operating system and underlying hardware	Request you to change this as "The solution should provide an agentless distributed firewall such that the micro segmentation is provided closest to the application/source without any dependency operating system and underlying hardware"	The server to server communication (east-west communication) is within a trusted zone, and can either be implemented with stateless or stateful firewall.	Please adhere to RFP terms and conditions	Clarification
200	Team Computers	Scope of work 1.1 => 14	The solution should have capabilities to define security policies on constructs such as IP address, VM names, objects and tags, MAC addresses, Security tags etc.	Please modify as "The solution should have capabilities to define security policies for micro segmentation. It should support segmentation based on constructs such as IP address, VM names, objects and tags / VM tags, MAC addresses etc."		Please adhere to terms and conditions	Clarification

201	Team Computers	Scope of work 1.1 => 15	System should support performing load balancing for Layers 4 through 7 based on source/destination IP, application content, relative weight, CPU – Memory Utilization of load balancer(round-robin), least connections, etc.	Please remove this OR change to "It should be possible to integrate with load balancers - physical or virtual - for Layers 4 through 7 based on source/destination IP, application content, relative weight, CPU – Memory Utilization of load balancer(round-robin), least connections, etc."	The RFP does not asks for Load balancer solution (the vCloud Suite Standard does not include load balancer). If required the solution can be integrated with Physical or virtual load balancer from leading Load balancer OEM's	If these services are available in VMWare solution, then the same needs to be configured and deployed.	Clarification
202	Team Computers	Scope of work 1.1 => 16	Implementation & Support for other software viz. GitLab, Redis, CI/CD Pipeline, Workflow automation, Kafka, etc. will have to be provided by the bidder	Please remove this, as this is not part of the solution asked.	Please remove this, as this is not part of the solution in TechSpec or Commercial Bid format.	Bidder shall support in integrating the solutions mentioned if needed. Purchase of licence is not in the scope of bidder	Clarification
203	Team Computers	Tech Specifications, Point 11 Technical Specification for Server Type 1 (2x32), Type 2(1x32), Type 3 (1x8) Rack Server => Disk Drives	Atleast 2 x 240 GB SSD SAS hot-plug Disk Drive configured in raid 1	Request you to change as "Atleast 2 x 240 GB SSD SAS/SATA hot-plug Disk Drive configured in raid 1"	Please allow SAS/SATA for wider OEM participation. Also, for Booting OS, SAS/SATA does not matter as it is one time task.	Please adhere to terms and conditions of bid	Clarification
204	Team Computers	Tech Specifications, Point 20 Technical Specification for Server Type 1 (2x32), Type 2(1x32), Type 3 (1x8) Rack Server => Manageability	Should support unified management suite that can monitor and manage all the servers from the vendor deployed in our data center	Request you to modify as "The OEM for server proposed Should provide a unified management suite that can monitor and manage all the Rack & Blade servers servers (deployed / to be deployed) from the respective OEM in our data center"	The management solution for all servers from a particular vendor makes the management efficient.	Please refer to the amendments	Amendment
205	Team Computers	Tech Specifications Point 25 Technical Specification for Server Type 1 (2x32), Type 2(1x32), Type 3 (1x8) Rack Server => Remote Management	Management software should support integration with popular virtualization platform management software like VMware vCenter & vRealize Operations, and Microsoft System Center & Admin Center	Please modify as "Management software should support integration with popular virtualization platform management software like VMware vCenter / vRealize Operations / Microsoft System Center / Admin Center.  The proposed management software should have integrated high availability (without depending on 3rd party / external solution), so that single point of failure of management software/appliance/virtual appliance is eliminated. The management platform should provide automated hardware compatibility checks with OS type, FW and driver versions with recommendations. Also the management platform should provide automation & orchestration workflows for OS deployment, Network switch configurations, Virtualisation related tasks etc"	Every OEM has a different architecture in terms of management solution. So kindly modify this for wider OEM participation  The management solution should have high availability capability so that there is no single point of failure and should offer features for automation & orchestration	HA is also part of the SOW. Compatibility across different virtualisation platforms is also required	Clarification

206	Team Computers	Technical Specification for Server Type 1 (2x32), Type 2(1x32), Type 3 (1x8) Rack Server => Security		<p>Request you to add the below server platform security features</p> <p>"Server platform should support the following security features -</p> <ul style="list-style-type: none"> <li>- Multiple hardware roots of trust</li> <li>- Anti-Counterfeit measures</li> <li>- Digitally signed immutable FW signatures</li> <li>- Secure BIOS Recovery</li> <li>- System Lock Down</li> </ul> <p>- Prevention of malicious FW and BIOS from booting and requires cryptographically signed FW to install</p> <p>- Management tool for proactive security advisory alerting and recommendations</p> <ul style="list-style-type: none"> <li>- The proposed OEM for the server should have dedicated corporate centralized team for threat modeling analysis and alerting</li> <li>- system level global security policies with granular access control- Must use polices across the system to enforce set configuration rules with no-drift capable" </li></ul>	Request you to add these points, related to Sever platform security to ensure that Bank gets the best in class & Secure server hardware platform	Please refer to the amendments	Amendment
207	Team Computers	Tech Specifications Sr. No. 28 ILO/IDRAC/LOM Ports/software/license	The ILO/IDRAC/LOM/ any other management port should be available and should be additional to the network ports specified in the technical specification. The necessary licenses for remote management of the servers through these ports should be included from day 1 and the edition proposed should be highest edition available with the OEM.	The ILO/IDRAC/LOM/ any other management port should be available and should be additional to the network ports specified in the technical specification. The necessary licenses for remote management of the servers through these ports should be included from day 1 with the mentioned features supported	The license required for each OEM is different depending on the feature set - Hence request you to modify this such that Bank will get the required features on day 1	Please adhere to RFP terms and conditions	Clarification
208	Team Computers	Tech Specific Technical Specification 8 for Server Type 1 (2x32), Type 2(1x32), Type 3 (1x8) Rack Server => DIMM Slotsations Sr. No. 8	16 or Higher. Atleast 8 slots should be available free post population of the RAM as per the technic specifications	Request you to modify as " The server should support 32 DIMM slots. Atleast 8 slots should be available free post population of the RAM as per the technic specifications	The Intle Saphire Rapids CPU architecture supports up to 32 DIMM slots in a 2 Socket server configuration. By allowing minimum 16 slots, certain OEM vendors can quote a lower category server which limits the scalability of the server from memory upgrade as required in the future.	Please adhere to RFP terms and conditions	Clarification
209	Felix InfoTech	Technical Specifications - Rack/Blade Server	Point 17 - Expansion Slots - Minimum of 3 PCI-e based slots supporting Ethernet/FC adapters and minimum of 2 slots should be available free after population of all the required cards as per the technical specification.	In Type-1 servers - 2 slots free is asked post population and in Type 2 & 3 servers, it is not asked. Just wanted to clarify whether 2 slots free is required in Type 1 servers ? Because this will help us to decide server models accordingly. (1U-2U etc). There is no challenge in giving 2 free slots but that will determine the server models and cost associated to it. so kindly clarify us here.		Type 1 servers are the actual servers which takes the production loads and type 2 & 3 are the interface servers. Hence free slots are required for type 1 servers.	Clarification

210	Felix InfoTech	Technical Specifications - Rack/Blade Server	The proposed Hardware and Software generation should not be less than year from the date of RFP submission and the proposed Hardware and Software should not become End of Sales for two years from the date of the submission of the RFP and End of Life for 7 years from the date of the submission of the RFP	The proposed Hardware and Software should not become End of Sales for one year from the date of submission of the RFP & should not become End of support life for 5 years from the date of submission of the RFP		Please refer to the amendment.	Amendment
211	Felix InfoTech	Technical Specifications - SAN Switch	3. Minimum Dual SAN switches shall be configured where each SAN switch shall be configured with minimum of 24 Ports and provision for future expansion must be provided	Please specify the scalability of ports required on the Proposed SAN Switch. This is to Ensure ports scalability within the Switch are proposed by Bidders		Scalability is factored in the requirement. Any future expansion must be possible on the same device. No additional SAN must be provided	Clarification
212	Felix InfoTech	Technical Specifications - SAN Switch	10. The switch shall provide Aggregate bandwidth of 768 Gbit/sec end to end	Aggregate bandwidth to be amended to 1536 Gbit/ sec. Aggregate bandwidth asked is 768 Gbit/sec, this can be met with 32Gbps x 24 ports itself, Hence amend this to 1536 Gbit/sec		Please refer to the amendments	Amendment
213	Felix InfoTech	Technical Specifications - SAN Switch	14. The switch shall be able to support ISL trunk up to 256 Gbit/ sec between a pair of switches for optimal bandwidth utilization and load balancing	Please specify necessary licenses to enable ISL Trunking should be included in the Solution		Necessary license for ISL trunking to be provided by the bidder	Clarification
214	Felix InfoTech	Technical Specifications - SAN Switch	25. The proposed Hardware and Software generation should not be less than year from the date of RFP submission and the proposed Hardware and Software should not become End of Sales for two years from the date of the submission of the RFP and End of Life for 7 years from the date of the submission of the RFP	The proposed Hardware and Software should not become End of Sales for one year from the date of submission of the RFP & should not become End of support life for 5 years from the date of submission of the RFP		Please refer to the amendment.	Amendment
215	Felix InfoTech	SAN Switch Additional query		Please specify Switch should be supplied with redundant power supplies		Please refer to the Amendments	Amendment
216	Felix InfoTech	Technical Specifications - TOR Switch	The switch should support 1.0 Million IPv4 LPM routes.	Request to amend to Qualify all the OEMs The switch should support 1 Lakh IPV4 unicast Routes		Please refer to the amendment	Amendment
217	Felix InfoTech	Technical Specifications - TOR Switch	The Switch should support intelligent buffer management with a minimum buffer of 38 MB.	Request to amend to Qualify all the OEMs "The Switch should support intelligent buffer management with a minimum buffer of 32 MB"		Please refer to the amendment	Amendment
218	Felix InfoTech	Technical Specifications - TOR Switch	The switch should support 8K multicast routes	Request to amend to Qualify all the OEMs, Since it's DC TOR environment 7K Multicast is more than sufficient "The switch should support 7K multicast routes" request to amend the same.		Please refer to the amendment	Amendment
219	Felix InfoTech	Technical Specifications - TOR Switch	Switch should support 64 nos of ECMP paths	Request to amend this clause to "Switch should support 8 nos of ECMP paths" 64 ECMP is favouring to the OEMs Actually 8 Nos will be more than Sufficient in the real time environment.		Please refer to the amendment	Amendment
220	Felix InfoTech	Technical Specifications - TOR Switch	Switch should support minimum 1 Tbps of switching capacity	TO achieve Non-Blocking Architecture we require min 4 Tbps request to amend this clause to "Switch should support minimum 4 Tbps of switching capacity"		Please refer to the amendment	Amendment
221	Felix InfoTech	Technical Specifications - TOR Switch	Switch solution must support Micro Segmentation for the Virtualized and Non - Virtualized environments also (Baremetal, Container).	when Bank is creating the Fabric Architecture, Fabric Orchestrator will do all the Functionality Since its TOR Switch requirement request to remove this Clause.		Please adhere to the terms and conditions	Clarification

222	Felix InfoTech	Technical Specifications - TOR Switch	The switching solution must integrate with different virtual machine manager viz. Vmware vCenter, Microsoft Hyper-V with System Center, Kubernetes, Redhat Openshift and manage virtualise networking from the single pane of Glass	Request to amend this clause to "The switching solution must integrate with different virtual machine manager viz. Vmware vCenter and manage virtualise networking from the single pane of Glass. Or API based intergation should be support by the Switch solution.		Please refer to the amendment	Amendment
223	Felix InfoTech	Technical Specifications - TOR Switch	Maximum number of port channels should be 500	It's Vendor specific count " Request to Amend this clause to Min 128 No's of LAG interface"		Please refer to the amendment	Amendment
224	Felix InfoTech	Technical Specifications - TOR Switch	Maximum no of ports in the port channel should be 32	It's Vendor specific count " Request to Amend this clause to Min 16 Nos"		Please refer to the amendment	Amendment
225	Felix InfoTech	Technical Specifications - TOR Switch	The switch should support BGP EVPN Route Type 2, Type 4 and Route Type 5 for the overlay control plane	The switch should support BGP EVPN Route Type 2 and Route Type 5 for the overlay control plane		Please refer to the amendment	Amendment
226	Felix InfoTech	Technical Specifications - TOR Switch	Telnet	Request to remove this clause as it's Plain text protocol we support Secure shell access SSH		Please adhere to the RFP terms and conditions	Clarification
227	Felix InfoTech	Technical Specifications - TOR Switch	Stacking / VPC - (Active / Active HA) must be support for interconnecting more than 1 switch wherever required	Stacking is used for Campus environment DC Environment We recommend to use Active Active cluster VPC / MLAG Functionality with dual control plane Deployment, Please remove the Stacking.		Please refer to the amendment	Amendment
228	Felix InfoTech	Payment Terms	Delivery of Hardware/ appliances and Software/ Licenses and deployment of FM resources - 70 % of [A]-Hardware Devices 20 % of [E]-Software Licenes	Request to amend the Payment Terms for hardware as 80% of A- hardware Devices and 60% of Software Licenes on first year		Please refer to the Amendments	Amendment
229	Felix InfoTech			Play upfront for 5 years for Software Licenses and we request to pay atleast 60% of cost for first year anc 10% each year for Balance 4 years		Please refer to the amendment	Amendment
230	Felix InfoTech		Post successful Implementation and after Sign-off 50% of Implementation 30% of Hardware devices	Request to amend the Payment Terms for Implementation as as 80% of on sign off and 20% after 3 months		Please adhere to RFP terms and conditions	Clarification
231	Felix InfoTech			And for Hardware 20% payment on sign off on succesfull instalation of Hardware devices.		Please adhere to RFP terms and conditions	Clarification
232	Felix InfoTech			Request not to combine both software and hardware as single sign off. Request separate sign of for hardware devices and software licenses		Please adhere to RFP terms and conditions	Clarification
234	Felix InfoTech		The remaining payment for the hardware and software licenses will be released in the following manner 20% of [E] at the beginning of 2nd year. 20% of [E] at the beginning of 3rd year. 20% of [E] at the beginning of 4th year. 20% of [E] at the beginning of 5th year	Request to amend payment for Software License as below 10% of [E] at the beginning of 2nd year. 10% of [E] at the beginning of 3rd year. 10% of [E] at the beginning of 4th year. 10% of [E] at the beginning of 5th yea		Please refer to the amendment	Amendment
237	Felix InfoTech		Project milestone and timeline: <i>Installation Total time for installation and setup of the solution as per the requirement of the Bank to be completed within Four (4) weeks from the date of Delivery of Hardware</i>	Request to ament Installation time line from 4 weeks to 8 weeks and Installation will depend on various factors and we need more time for Installation and sign of for entire project		Please adhere to RFP terms and conditions	Clarification

240	Felix InfoTech		RHEL Virtual DC - Premium (Socket Pair Licensing) (Each Qty entitles Bank to run unlimited RHEL VMs on the 2 CPU based server)	Pl give clarity on Numner of years and note all the licenses are subscription based licenses only and calculated annually.		Please refer to the amendment	Amendment
242	Felix InfoTech		Microsoft Windows Data Centre Edition with SA (with 3 years ATS) with corresponding CAL licenses	Kindly clarify the program of Microsoft for both Windows data centre and CAL Licenes		Please refer to the amendment	Amendment
244	Felix InfoTech		VMWARE vCloud Suite Standard - Perpetual (with 5 year ATS) VMWARE - vCentre (with 5 year ATS ) VMWARE - SRM Standard Replication license (pack of 25 VMs) (with 5 year ATS)	VMware by Broadcom no longer sells perpetual licenses and all Vmware SKU's are core based sunscription only. Request to amend to subscription based license instead of Perpetual		Please refer to the amendment	Amendment
245	SS Information		Each server must be provided with minimum 2 latest Intel Xeon Scalable Sapphire Rapid processors or higher, each having 32 Cores with clock speed atleast 2.4 GHz or equivalent or higher	Request to change to proc with 2.2Ghz ( 32C )		Please adhere to RFP terms and conditions	Clarification
246	SS Information		atleast 2 x 240 GB SSD SAS hot-plug Disk Drive configured in raid 1	Request change to SSD SATA / NVMe		Please adhere to terms and conditions of bid	Clarification
247	SS Information		1. Minimum 2*10Gbps Ethernet ports per node have to be included. All ports need to be independent so as to provide high availability and	2 ports of 10G will be on single card , 4 ports of 1G will be on single card		Please refer to the amendment	Amendment
248	SS Information	2. Minimum 4*1Gbps Ethernet ports per node have to be included. All ports need to be independent so as to provide high availability			Please refer to the amendment	Amendment	
249	SS Information	The ethernet cards should support various kinds of bonding available.			Please refer to the amendment	Amendment	
250	SS Information		At least Two (2) USB 3.0 connector or higher for security key devices and USB drive keys	request to change to 2 * USB 2.0/3/0 & pls elaborate on USB Drive Keys		Please adhere to RFP terms and conditions	Clarification
253	SS Information		Windows Server 2022 or Latest Windows Server Operating System, SUSE Enterprise Linux 10 and Higher, RHEL Linux 9 and higher, VMWARE ESXi latest edition	Server supports SuSE Linux ES 15		Please adhere to RFP terms and conditions	Clarification
267	SS Information		5 Years 24/7 Warranty Support with 30 minutes Response Time and 6 hours Repair Time. Defective disk shall not be returned back to the OEM. Successful Bidder must provide documentary proof from OEM post installation of the Hardware	Request change to 24/7 4 Hrs Response		Please adhere to RFP terms and conditions	Clarification
275	SS Information		Each server must be provided with minimum 1 latest Intel Xeon Scalable Sapphire Rapid processors or higher, each having 32 Cores with clock speed atleast 2.4 GHz or equivalent or higher	Request to change to proc with 2.2Ghz ( 32C )		Please adhere to RFP terms and conditions	Clarification
282	SS Information		atleast 2 x 240 GB SSD SAS hot-plug Disk Drive configured in raid 1	Request change to SSD SATA / NVMe		Please adhere to terms and conditions of bid	Clarification
283	SS Information		1. Minimum 2*10Gbps Ethernet ports per node have to be included. All ports need to be independent so as to provide high availability and	2 ports of 10G will be on single card , 4 ports of 1G will be on single card		Please refer to the amendment	Amendment
284	SS Information		2. Minimum 4*1Gbps Ethernet ports per node have to be included. All ports need to be independent so as to provide high availability			Please refer to the amendment	Amendment
289	SS Information		At least Two (2) USB 3.0 connector or higher for security key devices and USB drive keys	request to change to 2 * USB 2.0/3/0 & pls elaborate on USB Drive Keys		Please adhere to RFP terms and conditions	Clarification
292	SS Information		Windows Server 2022 or Latest Windows Server Operating System, SUSE Enterprise Linux 10 and Higher, RHEL Linux 9 and higher, VMWARE ESXi latest edition	Server supports SuSE Linux ES 15		Please refer to the amendment	Amendment
306	SS Information		5 Years 24/7 Warranty Support with 30 minutes Response Time and 6 hours Repair Time. Defective disk shall not be returned back to the OEM. Successful Bidder must provide documentary proof from OEM post installation of the Hardware	Request change to 24/7 4 Hrs Response		Please adhere to RFP terms and conditions	Clarification
314	SS Information		Each server must be provided with minimum 1 latest Intel Xeon Scalable Sapphire Rapid processors or higher, each having 32 Cores with clock speed atleast 2.6 GHz or equivalent or higher	Request to change to proc with 2.2Ghz ( 32C )		Please adhere to RFP terms and conditions	Clarification
321	SS Information		atleast 2 x 240 GB SSD SAS hot-plug Disk Drive configured in raid 1	Request change to SSD SATA / NVMe		Please adhere to terms and conditions of bid	Clarification

322	SS Information		1. Minimum 2*10Gbps Ethernet ports per node have to be included. All ports need to be independent so as to provide high availability and			Please refer to the amendment	Amendment
323	SS Information		2. Minimum 4*1Gbps Ethernet ports per node have to be included. All ports need to be independent so as to provide high availability	2 ports of 10G will be on single card , 4 ports of 1G will be on single card		Please refer to the amendment	Amendment
324	SS Information		The ethernet cards should support various kinds of bonding available.			Yes	Clarification
328	SS Information		At least Two (2) USB 3.0 connector or higher for security key devices and USB drive keys	request to change to 2 * USB 2.0/3/0 & pls elaborate on USB Drive Keys		Please adhere to RFP terms and conditions	Clarification
331	SS Information		Windows Server 2022 or Latest Windows Server Operating System, SUSE Enterprise Linux 10 and Higher, RHEL Linux 9 and higher, VMWARE ESXi latest edition	Server supports SuSE Linux ES 15		Please refer to the amendment	Amendment
345	SS Information		5 Years 24/7 Warranty Support with 30 minutes Response Time and 6 hours Repair Time. Defective disk shall not be returned back to the OEM. Successful Bidder must provide documentary proof from OEM post installation of the Hardware	Request change to 24/7 4 Hrs Response		Please adhere to RFP terms and conditions	Clarification
350	JIO	ANNEXURE-XIII-CHECKLIST FOR THE RFP-Eligibility Criteria for Bidder	The bidder should have successfully Installed and maintained VMware Cloud solution (by utilizing Esxi/vCloud Suite/vSphere) with a minimum of 300 Virtual Machines deployed and managed at Customer's DC and DR in Indian Market in the last 5 years 2019, 2020, 2021, 2022 and 2023 for a minimum of 3 PSU Bank or Scheduled Commercial Bank, NBFC, Insurance Company, PSU, Private Organization in India, and should have supplied full-time resident engineer for supporting the solution.	Request To modify the Clause as : The bidder should have successfully Installed and maintained VMware Cloud solution (by utilizing Esxi/vCloud Suite/vSphere) with a minimum of 300 Virtual Machines deployed and managed at Customer's DC and DR in Indian Market in the last 5 years 2019, 2020, 2021, 2022 and 2023 for a minimum of 3 PSU Bank or Scheduled Commercial Bank, NBFC, Insurance Company, PSU, Private Organization in India, and should have supplied full-time resident engineer for supporting the solution.		Please adhere to RFP terms and conditions	Clarification
351	JIO	Price Schedule	VMWARE - vCentre location wise quantity	VMWARE - vCentre are asked two qty. in price schedule / Commercial Bid Document. Hope one at DC-Chennai & one at DR Hyderabad. Please confirm. Also confirm on VCenter standard or Ent. licenses to be included		Yes, vCenter 1 unit each in DR and DC	Clarification
352	JIO	TECHNICAL SPECIFICATIONS Doc.	4. Rack – 2 nos. at DC; 2 nos. at DR.	Please confirm: 1) Racks will be hosted on same floor / different floors of DC & DR? 2) Racks will be hosted adjacent to each other / in front of each other or different rows on same DCs?		Same floor and same cage; but the racks need not be adjacent. Cage area 450sqft in DC; 125 sqft in DR	Clarification
353	JIO	Bid Doc - SECTION – III, 1.a)	TOR switches	Mentioned TOR switches in scope, but the same is not mentioned in Commercial Bid document table / Price schedule. Also ATOR switches not requested in RFP. Is customer having existing ATOR switches? If yes, can we leverage the same or we need to consider separate ATOR switches		Please refer to the amendment	Amendment
354	JIO	Bid Doc - SECTION – III, 1.i)	The bidder need to integrate the Proposed Hardware and Software solution with Bank's existing hardware and software tools	What are the existing softwares & hardware infrastructure which needs to be interated with the new solution being proposed? Please provide details.		Please refer to the SOW of the RFP	Clarification

355	JIO	Bid Doc - SECTION – III, 1.i)	Bidder need to integrate with Bank's existing patch management tool for deployment of patches	Please confirm which patch management tool currently exists in a bank. Can we leverage the same or do we need to factor separately.		Patch management utility will be provided by the Bank	Clarification
356	JIO	Bid Doc - SECTION – III, 1.i)	Deployment of Tools, Industry Standard Framework and Resources to monitor the deployed Hardware and Software between Bank's DC and DR	Please confirm the existing monitoring solution used by bank. Can we leverage the same or do we need to factor separately.		Monitoring utility provided by the hardware OEM / utility available in vmware solution to be	Clarification
357	JIO	Bid Doc - SECTION – III, 1.i)	Performing DC and DR Drill on periodic basis per Bank's requirement	How many DR drills per month / per calendar year is expected by the bank? And is there any connectivity exists between DC & DR (e.g. MPLS /P2P etc..)		Planned DR Drills - 1 per quarter; Un-planned DR Drills due to any sort of exigency must also be conducted as per the needs; Duration of each drill will be as per Bank's requirement/exigency	Clarification
358	JIO	Bid Doc - SECTION – III, 1.1.3)	The bidder/OEM should ensure that Load balancing is ensured at all levels of compute provisioning	Which load balancer does bank is using currently? Bidder have to use the same LB. Please confirm the bidder understanding		Load balancer will be provided by Bank; if Load balance is available as a part of vmware solution, then the same is to be utilized.	Clarification
359	JIO	1.1 Scope of Work – (To be done by the Bidder):	1. Multiple virtual machines of same configuration across single and multiple sites in single request for High availability	deployment of multiple VMs in any of the 2 sites - Does scope of HA is across the Sites? What is the meaning of "In single Request" in this statement considering DC-DR setup? Please provide more clarity.		In a single request, bidder may require to create multiple VMs of same or different configurations. HA may be in the same site or across sites	Clarification
360	JIO	1.1 Scope of Work – (To be done by the Bidder):	16. Implementation & Support for other software viz. GitLab, Redis, CI/CD Pipeline, Workflow automation, Kafka, etc. will have to be provided by the bidder.	Please share the implementation scope & practice followed in the existing setup. We are assuming that the licenses will be provided by the bank.		Licenses which are not part of the solution offered, will be provided by the Bank.	Clarification
361	JIO	1.2 Scope of Facility Management Services	Responsibilities of onsite resources. 1. HW administration - Implement and maintain backup and recovery procedures. Collaborate with network administrators for seamless data flow.	1) Which backup solution are you using in current setup? And do you have necessary backup licenses in place for the proposed hardware? Ans it is assumed that the storage for backup will be provided by bank? 2) Backup policies will be designed by bank and bidder will implement and maintain?		Bidder to provide only the line items as per the Commercial Bid. HP DATA PROTECTOR is currently used in the Bank	Clarification
362	JIO	1.2 Scope of Facility Management Services	2. RHL Administration: Manage user accounts, permissions, and access controls. Implement and automate system administration tasks using scripting	Is there any under account or Identity Access management tool in place ? if yes, kindly share the name of the tool? Also can we leverage the same		Biometric & AD are available in the Bank. Same can be utilized	Clarification
363	JIO	1.2 Scope of Facility Management Services	3. Windows And VMWare Administration: Administer and maintain Windows Server environments.Manage Active Directory, Group Policy, and other Windows services.	1) Is the Active directory already in place ?		Active Directory is in place.	Clarification
364	JIO	Bid Doc	5. Delivery of Hardware for initial Purchase Order: Total time for Delivery of Hardware as quoted in the bid at both the sites (Chennai & Hyderabad) should not exceed Six (8) Weeks from the date of PO.	should not exceed Six (8) Weeks: Please confirm 6 weeks or 8 weeks?		Please refer to the amendment	Amendment

365	JIO	Other	Storage Connectivity for servers	Assuming all the supplied servers will be connected with the bank's existing storages. Please confirm the understanding		Servers will be connected to Bank's existing 3PAR storage	Clarification
366	JIO	Other	SAN switches hosting	The proposed SAN switches will be hosted in the proposed new racks only or existing SAN Fabric racks of the bank? If yes, please provide the approx. distance of the same racks from existing racks to factor the SAN cabling OR is cabling considered by bank in Bank's scope		SAN switch to be hosted in the new rack. Bidder has to supply the hardware and software solution in whole - including cable dressing, labelling, tagging etc. Cables must be Single/Multi mode fiber based	Clarification
367	JIO	Other	Structured Cabling	Do we have to factor the structured cabling also in our scope, as cabling is not mentioned in RFP. Please confirm		Bidder has to supply the hardware and software solution in whole - including cable dressing, labelling, tagging etc. Cables must be Single/Multi mode fiber based	Clarification
368	JIO	Bid Doc 1.1. 14	The solution should have capabilities to define security policies on constructs such as IP address, VM names, objects and tags, MAC addresses, Security tags etc.	Is this a requirement from a virtualization product or bank is looking for any third party product. If third party, kindly specify.		The provided solution must have the capability to meet the RFP requirement. Bank will not provide any 3rd party product.	Clarification
369	JIO	Bid Doc 1.2.38	During the contract, the bidder and its employees shall at all the times comply with & abide by the security policy of the bank	Please help with the security policy of the bank, as the same is not available at the website as stated by the bank in RFP		Bidder to coordinate with the Bank during implementation process	Clarification
370	JIO	Bid Doc 1.2	Responsibilities of Onsite Resources: Ensure security measures are in place and updated regularly. Perform routine audits of systems and software	Do The Banks have any tool in place for the same & can be used by the Bidder for proposed solution or the bidder has to factor a new tool for the same		Bidder to provide only the line items as per the Commercial Bid.	Clarification
371	JIO	Bid Doc - Technical Specification for Server Type 1 (2x32) – Blade server - Point#7	Should have a cyber resilient architecture for a hardened server design for protection, detection & recovery from cyber-attacks.	1) Do bank have any hardening tool? Can bidder use the same for proposed Infra or Bidder has to factor the separate tool? 2) We are assuming the bank's existing hardening policy will be shared to implement on the proposed infra. Please confirm		Hardening to be done as per latest guidelines issued by regulators and as per recommendations of Bank apart from best industry practices.  Bidder to provide only the line items as per the Commercial Bid.	Clarification
372	JIO	SOW 1.1 (Point 17)	The bidder/OEM should provide trainings to Bank's team members on managing the Solution being deployed to the Bank.	Do Managed services is also part of this RFP, as here ask is for training on managing the solution deployed for bank to the customer? As per point 20 - 23 managed services mentioned for Bidder.		Please adhere to RFP specifications	Clarification

373	JIO	SOW 1.1 (Point 17)	The bidder/OEM should provide trainings to Bank's team members on managing the Solution being deployed to the Bank.	What sort of training and support requirements for the private cloud build, including documentation, training programs, and ongoing technical support options		Bidder/OEM to provide detailed and hands on training on the proposed and deployed solution for managing the infra; along with all the necessary user manuals, architecture diagrams, documentation and technical support.	Clarification
374	JIO	Section 3	4.Installation and Maintenance of IT Infrastructure (Hardware and Software licenses) on CAPEX basis using x86 based servers for hosting Various critical and non-critical applications	Is there ask for only hardware and software license management or infra management also, please specify?		Management of entire solution proposed and supplied by the bidder.	Clarification
375	JIO	SOW Point 5	Project milestone and timeline	What is the timeline of delivery of hardware at either site (Chennai & Hyderabad) 6 or 8 week		Please refer to the amendment	Amendment
376	JIO	General	General	What are the security and compliance requirements for the private cloud build, including data privacy, encryption, and regulatory compliance?		The requirements will be provided during the implementation phase	Clarification
377	JIO	General	General	What are the scalability and performance requirements for the private cloud build, including anticipated workloads and growth projections?		Scalability already factored in the RFP	Clarification
378	JIO	General	General	What are the backup, disaster recovery, and business continuity requirements, including RTO (Recovery Time Objective) and RPO (Recovery Point Objective)?		Required data will be shared during implementation phase with the bidder	Clarification
379	JIO	General	General	What are the monitoring, management, and reporting requirements for the private cloud build, including tools, processes, and SLAs (Service Level Agreements)?		Details are available in the RFP	Clarification

380	JIO	Section 11	Other provisions - Price Fall Clause - modification required	<p>The Bidder undertakes that it has not supplied/ is not supplying <b>identical</b> or similar product/systems (<b>i.e. with same scope, deliverables, timelines, SLAs &amp; pricing terms</b>) or subsystems at a price lower than that offered in the present Bid in respect of any other Ministry/Department of the Government of India or PSU or Coal India Ltd and its subsidiaries <b>as on date</b> and if it is found at any stage that same or similar product/ Systems or Subsystems was supplied by the Bidder to any other Ministry / Department of the Government of India or a PSU or any Public Sector Bank at a lower price during the currency of the contract, then that very price will be applicable to the present case and the difference in the cost would be refunded by the Bidder to the Buyer, if the contract has already been concluded."</p>		Please adhere to the RFP terms and conditions	Clarification
381	JIO		Resources	<p>For Facility mgmt. service one L1 resource mentioned at DR site, Page 87- Commercial Bid section, table point 11 under Manpower cost which indicates 1 L2 at DC and 2 L1 each at DC and DR so how every day 9am to 6pm availability would be handled?</p>		Please refer to the amendment	Amendment
382	JIO		Resources	<p>Page26- Resources in payroll at least 5 resources at L2 level certified on Microsoft Windows Server platform and atleast 5 at L2 level resources certified on VMWare - Actually how many resources are needed at DR/DC</p>		Please refer to the commercial bid	Clarification
383	JIO		Resources	<p>The bidder should have direct offices and Service Center at Chennai and Hyderabad with a minimum of 50 support engineers available at both locations together with majority of them deployed at Bank's DC location, Chennai.- Why 50 needed and where in Bank premises or at Jio premises when as per Pg26-5 L1/L2 needed, as Pg31,97 only 3 resources in total needed</p>		The 50 nos. of support engineers is required to assess the presence of the bidder at Chennai and Hyderabad (who can be deployed at multiple locations). Bidder needs to supply Engineers to Bank as per this RFP and as per the commercial bid	Clarification
384	JIO		DR Drill	<p>Performing DC and DR Drill on periodic basis for as per Bank's requirement- No count mentioned hence can consider half yearly with Drill to continue for 24 hours only since only one resource is ask at DR site as per page 31, page 87</p>		Planned DR Drills - 1 per quarter; Un-planned DR Drills due to any sort of exigency must also be conducted as per the needs; Duration of each drill will be as per Bank's requirement/exigency	Clarification

385	JIO		DR RTO-RPO	No current architecture or earlier DR Drill details available, hence value can be identified or decided post first DR Drill		Required data will be shared during implementation phase with the bidder	Clarification
386	JIO	Section 3 - Conditions of Contract, point (i)	The bidder need to integrate the Proposed Hardware and Software solution with Bank's existing hardware and software tools such as Existing Servers, SAN Storages	Please share the details of existing Storages and SAN switches		SAN - SMB600B; Storage- HP 3PAR	Clarification
387	JIO	Section 3 - Conditions of Contract, point (i)	The bidder need to integrate the Proposed Hardware and Software solution with Bank's existing hardware and software tools such as Existing Servers, SAN Storages	Do we need to integrate the new SAN switches with the existing SAN fabric		Yes	Clarification
388	JIO	Document – 1702301063 (1) - Para (c)	c) The Bank shall have the right to withhold any payment due to the supplier, in case of delays or defaults on the part of the supplier. Such withholding of payment shall not amount to a default on the part of the Bank. If any of the items/activities as mentioned in the price bid is not taken up by the bank during the course of the assignment, the bank will not pay the cost of such items and professional fees quoted by the supplier in the price bid against such activity / item.	c) The Bank shall have the right to withhold any payment due to the supplier, in case of delays or defaults on the part of the supplier. Such withholding of payment shall not amount to a default on the part of the Bank. Further, the value of withholding shall be limited to LD amount and SLA breach penalty amount. If any of the items/activities as mentioned in the price bid is not taken up by the bank during the course of the assignment, the bank will not pay the cost of such items and professional fees quoted by the supplier in the price bid against such activity / item.		Please adhere to the RFP terms and conditions	Clarification
389	JIO	Document – 1702301178 - Para (2)	2. Service Level Agreement (SLA) The Bidder has to maintain a guaranteed minimum uptime of 99.90% for all systems/solutions supplied under this RFP to avoid any business disruption due to breakdown of system or degraded performance impacting business or unavailability of data. The calculation of uptime will be on a monthly basis.	2. Service Level Agreement (SLA) The Bidder has to maintain minimum uptime of 99.90% for all systems/solutions supplied under this RFP to avoid any business disruption due to breakdown of system or degraded performance impacting business or unavailability of data. The calculation of uptime will be on a monthly basis.		Please adhere to the RFP terms and conditions	Clarification
390	JIO	3 Liquidated Damages	<input type="checkbox"/> On Project Implementation: If the Supplier fails to deliver/install any or all of the Goods or to perform the Services within the period(s) specified in the Contract, the Bank shall, without prejudice to its other remedies under the Contract, deduct from the Contract Price, as liquidated damages, a sum equivalent to 0.50% of the invoice price of Goods & services for each week or part thereof of delay until actual delivery or performance, up to a maximum deduction of 10%. If the goods are not delivered/installed in time, the Bank may consider termination of the contract.	Request to review this clause and not deduct LD as a penalty		Please adhere to the RFP terms and conditions	Clarification

391	JIO	Document – 1702301480 - Clause 26 Settlement of Disputes	<p>a) In case of dispute or difference arising between the Purchaser and a Supplier relating to any matter arising out of or connected with the agreement, such dispute or difference shall be settled in accordance with the Arbitration and Conciliation Act, 1996. The arbitral tribunal shall consist of 3 arbitrators one each to be appointed by the Purchaser and the Supplier; the third Arbitrator shall be chosen by the two Arbitrators so appointed by the Parties and shall act as Presiding Arbitrator. In case of failure of the two arbitrators appointed by the parties to reach upon a consensus within a period of 30 days from the appointment of the presiding Arbitrator, the Presiding Arbitrator shall be appointed by the Indian Banks' Association, India which shall be final and binding on the parties.</p> <p>b) If one of the parties fails to appoint its arbitrator within 30 days after receipt of the notice of the appointment of its Arbitrator by the other party, then Indian Banks' Association shall appoint the Arbitrator. A certified copy of the order of Indian Banks' Association making such an appointment shall be furnished to each of the parties.</p> <p>c) Where the value of the contract is Rs. 10 million and below, the disputes or differences arising shall be referred to the Sole Arbitrator. The Sole Arbitrator shall be appointed by agreement between the parties; failing such agreement, by the appointing authority namely the Indian Banks' Association (IBA).</p>	<p>a) In case of dispute or difference arising between the Purchaser and a Supplier relating to any matter arising out of or connected with the agreement, such dispute or difference shall be settled in accordance with the Arbitration and Conciliation Act, 1996. The arbitral tribunal shall consist of 3 arbitrators one each to be appointed by the Purchaser and the Supplier; the third Arbitrator shall be chosen by the two Arbitrators so appointed by the Parties and shall act as Presiding Arbitrator. In case of failure of the two arbitrators appointed by the parties to reach upon a consensus within a period of 30 days from the appointment of the presiding Arbitrator, the parties may approach the relevant court for the appointment of the arbitrator.</p> <p>e) Where the value of the contract is Rs. 10 million and below, the disputes or differences arising shall be referred to the Sole Arbitrator. The Sole Arbitrator shall be appointed by agreement between the parties; failing such agreement, by the relevant court for the appointment of</p>		Please adhere to the RFP terms and conditions	Clarification
392	JIO	Document – 1702301480 - Clause 20 Disclaimer	<p>The Bank and/or its officers, employees disown all liabilities or claims arising out of any loss or damage, whether foreseeable or not, suffered by any person acting on or refraining from acting because of any information including statements, information, forecasts, estimates or projections contained in this document or conduct ancillary to it whether or not the loss or damage arises in connection with any omission, negligence, default, lack of care or misrepresentation on the part of Bank and/or any of its officers, employees.</p>	<p>Seek Deletion of this clause</p>		Please adhere to the RFP terms and conditions	Clarification
393	JIO	Full bid document - Price Fall Clause	<p>The Bidder undertakes that it has not supplied/ is not supplying same or similar product/systems or subsystems at a price lower than that offered in the present Bid in respect of any other Ministry/Department of the Government of India or PSU or Coal India Ltd and its subsidiaries during the currency of the contract and if it is found at any stage that same or similar product/ Systems or Subsystems was supplied by the Bidder to any other Ministry / Department of the Government of India or a PSU or any Public Sector Bank at a lower price during the currency of the contract, then that very price will be applicable to the present case and the difference in the cost would be refunded by the Bidder to the Buyer, if the contract has already been concluded.”</p>	<p>The Bidder undertakes that it has not supplied/ is not supplying identical product/systems or subsystems at a price lower than that offered in the present Bid in respect of any other Ministry/Department of the Government of India or PSU or Coal India Ltd and its subsidiaries during the currency of the contract and if it is found at any stage that identical product/ Systems or Subsystems was supplied by the Bidder to any other Ministry / Department of the Government of India or a PSU or any Public Sector Bank at a lower price during the currency of the contract, then that very price will be applicable to the present case and the difference in the cost would be refunded by the Bidder to the Buyer, if the contract has already been concluded.”</p>		Please adhere to the RFP terms and conditions	Clarification

394	JIO	Price Schedule	VMWare	<p>Please confirm:</p> <p>1) Existing &amp; expected vCenter current version</p> <p>2) Existing &amp; expected vMware (ESXi / vsphere) current version</p>		Please refer to the amendment	Amendment
395	JIO	Price Schedule	vCenter	Do you have existing vCenter? Can we leverage the same? or do you still need to consider new vCenters at both the locations?		New vCenters at DC and DR	Clarification
396	JIO	Price Schedule	Windows Data Center Licenses	Please confirm Windows Data Center licenses edition (2K19 / 2K22? etc..)		Please refer to the amendment	Amendment
397	JIO	Technical Specifications - Rack/Blade Server	Point 17 - Expansion Slots - Minimum of 3 PCI-e based slots supporting Ethernet/FC adapters and minimum of 2 slots should be available free after population of all the required cards as per the technical specification.	In Type-1 servers - 2 slots free is asked post population and in Type 2 & 3 servers, it is not asked. Just wanted to clarify whether 2 slots free is required in Type 1 servers ? Because this will help us to decide server models accordingly. (1U-2U etc). There is no challenge in giving 2 free slots but that will determine the server models and cost associated to it. so kindly clarify us here.		Please adhere to the RFP terms and conditions	Clarification
398	JIO	Technical Specifications - Rack/Blade Server	The proposed Hardware and Software generation should not be less than year from the date of RFP submission and the proposed Hardware and Software should not become End of Sales for two years from the date of the submission of the RFP and End of Life for 7 years from the date of the submission of the RFP	The proposed Hardware and Software should not become End of Sales for one year from the date of submission of the RFP & should not become End of support life for 5 years from the date of submission of the RFP		Please refer to the amendment.	Amendment
399	JIO	Technical Specifications - SAN Switch	3. Minimum Dual SAN switches shall be configured where each SAN switch shall be configured with minimum of 24 Ports and provision for future expansion must be provided	Please specify the scalability of ports required on the Proposed SAN Switch. This is to Ensure ports scalability within the Switch are proposed by Bidders		Scalability is factored in the requirement. Any future expansion must be possible on the same device. No additional SAN must be provided	Clarification
400	JIO	Technical Specifications - SAN Switch	10. The switch shall provide Aggregate bandwidth of 768 Gbit/sec end to end	Aggregate bandwidth to be amended to 1536 Gbit/ sec. Aggregate bandwidth asked is 768 Gbit/sec, this can be met with 32Gbps x 24 ports itself, Hence amend this to 1536 Gbit/sec		Please refer to the amendment.	Amendment
401	JIO	Technical Specifications - SAN Switch	14. The switch shall be able to support ISL trunk up to 256 Gbit/ sec between a pair of switches for optimal bandwidth utilization and load balancing	Please specify necessary licenses to enable ISL Trunking should be included in the Solution		Licenses to be included by the Bidder from day 1 based on the SAN switch and solution proposed by the Bidder.	Clarification
402	JIO	Technical Specifications - SAN Switch	25. The proposed Hardware and Software generation should not be less than year from the date of RFP submission and the proposed Hardware and Software should not become End of Sales for two years from the date of the submission of the RFP and End of Life for 7 years from the date of the submission of the RFP	The proposed Hardware and Software should not become End of Sales for one year from the date of submission of the RFP & should not become End of support life for 5 years from the date of submission of the RFP		Please refer to the amendment.	Amendment
403	JIO	SAN Switch Additional query		Please specify Switch should be supplied with redundant power supplies		Please refer to the amendment.	Amendment
404	JIO	Technical Specifications - TOR Switch	The switch should support 1.0 Million IPv4 LPM routes.	Request to amend to Qualify all the OEMs The switch should support 1 Lakh IPV4 unicast Routes		Please refer to the amendment.	Amendment

405	JIO	Technical Specifications - TOR Switch	The Switch should support intelligent buffer management with a minimum buffer of 38 MB.	Request to amend to Qualify all the OEMs "The Switch should support intelligent buffer management with a minimum buffer of 32 MB"		Please refer to the amendment.	Amendment
406	JIO	Technical Specifications - TOR Switch	The switch should support 8K multicast routes	Request to amend to Qualify all the OEMs, Since it's DC TOR environment 7K Multicast is more than sufficient "The switch should support 7K multicast routes" request to amend the same.		Please refer to the amendment.	Amendment
407	JIO	Technical Specifications - TOR Switch	Switch should support 64 nos of ECMP paths	Request to amend this clause to "Switch should support 8 nos of ECMP paths" 64 ECMP is favouring to the OEMs Actually 8 Nos will be more than Sufficient in the real time environment.		Please refer to the amendment.	Amendment
408	JIO	Technical Specifications - TOR Switch	Switch should support minimum 1 Tbps of switching capacity	TO achieve Non-Blocking Architecture we require min 4 Tbps request to amend this clause to "Switch should support minimum 4 Tbps of switching capacity"		Please refer to the amendment.	Amendment
409	JIO	Technical Specifications - TOR Switch	Switch solution must support Micro Segmentation for the Virtualized and Non - Virtualized environments also (Baremetal, Container).	when Bank is creating the Fabric Architecture, Fabric Orchestrator will do all the Functionality Since its TOR Switch requirement request to remove this Clause.		Please adhere to the RFP specifications	Clarification
410	JIO	Technical Specifications - TOR Switch	The switching solution must integrate with different virtual machine manager viz. Vmware vCenter, Microsoft Hyper-V with System Center, Kubernetes, Redhat Openshift and manage virtualise networking from the single pane of Glass	Request to amend this clause to "The switching solution must integrate with different virtual machine manager viz. Vmware vCenter and manage virtualise networking from the single pane of Glass. Or API based intergation should be support by the Switch solution.		Please refer to the amendment.	Amendment
411	JIO	Technical Specifications - TOR Switch	Maximum number of port channels should be 500	It's Vendor specific count " Request to Amend this clause to Min 128 No's of LAG interface"		Please refer to the amendment.	Amendment
412	JIO	Technical Specifications - TOR Switch	Maximum no of ports in the port channel should be 32	It's Vendor specific count " Request to Amend this clause to Min 16 Nos"		Please refer to the amendment.	Amendment
413	JIO	Technical Specifications - TOR Switch	The switch should support BGP EVPN Route Type 2, Type 4 and Route Type 5 for the overlay control plane	The switch should support BGP EVPN Route Type 2 and Route Type 5 for the overlay control plane		Please refer to the amendment.	Amendment
414	JIO	Technical Specifications - TOR Switch	Telnet	Request to remove this clause as it's Plain text protocol we support Secure shell access SSH		Please adhere to the RFP specifications	Clarification
415	JIO	Technical Specifications - TOR Switch	Stacking / VPC - (Active / Active HA) must be support for interconnecting more than 1 switch wherever required	Stacking is used for Campus environment DC Environment We recommend to use Active Active cluster VPC / MLAG Functionality with dual control plane Deployment, Please remove the Stacking.		Please refer to the amendment.	Amendment
416	JIO	Technical Specification for Server	20. Manageability- Should support unified management suite that can monitor and manage all the servers from the Vendor deployed in our data center.	Can you please share the details of Unified management suite		Please refer to the amendment.	Amendment
417	JIO	Technical Specification for Server	21. Provisioning- Should support tool to provision server using RESTful API to discover and deploy servers at scale.	Is there any current tool being used for provisioning? If yes, can you please share the name of the tool?		The provisioning must be part of the solution	Clarification