

S.N.	RFP Section	Page Number	Tender Clause	Change Request / Clarification/Bidder Query	Justification	RailTel's Response
1	5	24	The switching OEM should be part of latest Gartner's Leaders/Challengers/Visionaries Quadrant for Data Center networking.	Request you to kindly modify the clause as "The switching OEM should be part of latest Gartner's Leader Quadrant for Data Center networking The switching OEM should be part of latest Gartner's Leaders/Challengers/Visionaries Quadrant for Data Center networking.or Wired and wireless netwok"	HPE Aruba is the leading company for networking and leader in Gartner Magic Quadrant for wired and wireles network since last 4-5 years. HPE Aruba is a manufacturer of Wired and wireless products as well as Datacenter switches also. We are the leader in Gartner Magic Quadrant report for wired and wireless. Request you to kindly modify so that leading OEM can participate.	As per RFP
2	6 (c)	25	Similar no. of 100G SR transceivers should be additional supplied for fabric controller/spine switch for uplink connectivity termination.	Request you to kindly remoce this clause.	This clouse is specific for the existing OEM and restrict to participate to other leading OEM. The transceiver will compitable with same OEMs and also it will violation of support.	As per RFP
3	12	25	Switch should have a minimum 40MB buffer of more.	The switch must have minimum 32MB buffer or more.	Technology and architecture differs from OEM to OEMs. 32 MB Packet buffers size is standard for best practice and sufficient for leaf switch and most of the OEMs are supported. Request you to kindly modify so that leading OEM can partcipate.	As per RFP
4	13	25	Switch should have smart buffering mechanism to classify long lived versus short lived flows and must have capability to dynamically prioritize short lived flows during congestion to avoid packet drop of mission critical traffic.	Request you to kindly remoce this clause.	This clause is OEM specific. Only one OEM can comply, request you to kindly remove so that all leading OEM can comply.	As per RFP

5	17	25	Switch should support for different logical interface types like loopback, VLAN, SVI/RVI, Port Channel, multi chassis port channel/LAG etc.	Switch should support for different logical interface types like loopback, VLAN, SVI/RVI or equivalent, Port Channel, multi chassis port channel/LAG etc.	Terminology differs from OEM to OEM. RVI is OEM specific and SVI is equivalent to VLAN Interface. Request you to kindly modify so that leading OEM can participate.	As per RFP
6	27	26	Switch should support multi OEM hypervisor environment and should be able to sense movement of VM and configure network automatically.	The product to support openstandard environment and uplink to the existing leaf & spine architecture over industry standard L2/L3 protocols.	These clauses restrict to other leading OEMs. Our product support openflow open standard protocol which can be integrate and uplink with existing SDN controller and spine switch-leaf architecture over industry standard L2/L3 protocols.	As per RFP
7			Switch should integrate and would be part of Existing Fabric (as a Leaf), so that the Data Center Existing Networking environment can be used seamlessly with following Benefits:			
8			policy-driven automation through an integrated underlay and overlay, is hypervisor agnostic, and extends policy automation to any workload — including virtual machines, physical bare-metal servers, and containers.			
9			If any integration issue of the Leaf switches in the existing controller and Spine -Leaf architecture, bidder to propose separate Spine switches and SDN controller separately.			
10			The proposed solution must be able to analyze real time data about the network which includes any metadata, configurations, policies, device states or protocol states and then run automated checks to identify potential errors, misconfigurations and network misbehaviours.			

11			The proposed solution must be able to verify configurations before been committed to be adherent to configuration best practices and if any check/ verification failure occurs then system must notify it to the admin via a suitable mechanism			
12	5	35	The switching OEM should be part of latest Gartner's Leaders/Challengers/Visionaries Quadrant for Data Center networking.	Request you to kindly modify the clause as "The switching OEM should be part of latest Gartner's Leader Quadrant for Data Center networking The switching OEM should be part of latest Gartner's Leaders/ Challengers/ Visionaries Quadrant for Data Center networking.or Wired and wireless network"	HPE Aruba is the leading company for networking and leader in Gartner Magic Quadrant for wired and wireles network since last 4-5 years. HPE Aruba is a manufacturer of Wired and wireless products as well as Datacenter switches also. We are the leader in Gartner Magic Quadrant report for wired and wireless. Request you to kindly modify so that leading OEM can participate.	As per RFP
13	12	36	Switch should have a minimum 40MB buffer of more.	The switch must have minimum 32MB buffer or more.	Technology and architecture differs from OEM to OEMs. 32 MB Packet buffers size is standard for best practice and sufficient for leaf switch and most of the OEMs are supported. Request you to kindly modify so that leading OEM can participate.	As per RFP
14	13	36	Switch should have smart buffering mechanism to classify long lived versus short lived flows and must have capability to dynamically prioritize short lived flows during congestion to avoid packet drop of mission critical traffic.	Request you to kindly remoce this clause.	This clause is OEM specific. Only one OEM can comply, request you to kindly remove so that all leading OEM can comply.	As per RFP
15	17	36	Switch should support for different logical interface types like loopback, VLAN, SVI/RVI, Port Channel, multi chassis port channel/LAG etc.	Switch should support for different logical interface types like loopback, VLAN, SVI/RVI or equivalent, Port Channel, multi chassis port channel/LAG etc.	Terminology differs from OEM to OEM. RVI is OEM specific and SVI is equivalent to VLAN Interface. Request you to kindly modify so that leading OEM can participate.	As per RFP

16	27	36-37	Switch should support multi OEM hypervisor environment and should be able to sense movement of VM and configure network automatically.	The product to support openstandard environment and uplink to the existing leaf & spine architecture over industry standard L2/L3 protocols.	These clauses restrict to other leading OEMs. Our product support openflow open standard protocol which can be integrate and uplink with existing SDN controller and spine switch-leaf architecture over industry standard L2/L3 protocols.	As per RFP
17			Switch should integrate and would be part of Existing Fabric (as a Leaf), so that the Data Center Existing Networking environment can be used seamlessly with following Benefits:			
18			policy-driven automation through an integrated underlay and overlay, is hypervisor agnostic, and extends policy automation to any workload — including virtual machines, physical bare-metal servers, and containers.			
19			If any integration issue of the Leaf switches in the existing controller and Spine -Leaf architecture, bidder to propose separate Spine switches and SDN controller separately.			
20			The proposed solution must be able to analyze real time data about the network which includes any metadata, configurations, policies, device states or protocol states and then run automated checks to identify potential errors, misconfigurations and network misbehaviours.			
21			The proposed solution must be able to verify configurations before been committed to be adherent to configuration best practices and if any check/ verification failure occurs then system must notify it to the admin via a suitable mechanism			

22	1 OF SOR-A: Storage – A-1 - Unified Storage system of 600 TB	19	The offered storage should be a true symmetric active-active storage	Request to change this clause as " The offered storage should be a true symmetric active-active storage with two controllers. Controllers / Engines / VSD should be scalable in nature within the same storage upto minimum 4 without using any technologies like federation, external storage virtualization, external switch connectivity."	Looking at current capacity requirement post corrigendum-III which is 1128 TB & future scalability of up to 2PB the dual controller system might not be able to justify the performance requirements at 2PB scale. So in order to provide the right balance for capacity & performance would request Railtel to ask up to four controller scalability within the proposed storage array. Also it to be considered that Railtel has asked secondary storage (backup storage) with 4 controller (Point No. 5 of SOR-A-2 'Backup solution at DC & DR' of Chapter 3 A) and primary storage should be having at least same number of nodes.	As per RFP
23	4 OF SOR-A: Storage – A-1 - Unified Storage system of 600 TB	19	The Storage should be scalable to at least 800 SFF/LFF disk drives on the same set of controllers.	Request the clause to be removed	As capacity scalability is already addressed in Corrigendum-III for RFP Pt. No 2 of SOR A: A- 1, "scalable upto 2 PetaByte usable capacity on SAS/NL-SAS/SSD/NVMe." we request Railtel to remove this point specific to disk drive scalability.	Corrigendum -VI
24	8 OF SOR-A: Storage – A-1 - Unified Storage system of 600 TB	19	Storage should be equipped with 8*32 Gbps FC ports, 4*10Gbe port for host connectivity. Required SFPs/Optical Module to be populated from day one	No Mention of Backend Bandwidth. Request to change the clause as "Storage should be equipped with 8*32 Gbps FC ports, 4*10Gbe port for host connectivity and equivalent of aggregated backend bandwidth. Required SFPs/Optical Module to be populated from day one"	We understand backend bandwidth must be atleast the same as the frontend bandwidth for a non-blocking architecture. Storage should also be supplied with equivalent of aggregate backend bandwidth so that the ports must work on line speed	As per RFP
25	9 OF SOR-A: Storage – A-1 - Unified Storage system of 600 TB	19	The storage system should have minimum 512GB global cache on the same set of proposed controllers for both reads & writes. Cache memory should be delivered on DRAM, any other device or HDD should not be considered as cache. Cache shall be completely dynamic for read and write operations.	Request to change the clause as "The storage system should have minimum 512GB global cache on the same set of proposed controllers for both reads & writes. The Global Cache should be scalable to 1TB. Cache memory should be delivered on DRAM, any other device or HDD should not be considered as cache. Cache shall be completely dynamic for read and write operations."	We understand scalability is prime importance for RAILTEL as asked in corrigendum-III for RFP Pt. No 2 of SOR A: A-1, "scalable upto 2 PetaByte usable capacity on SAS/NL-SAS/SSD/NVMe." to maintain the effective capacity & cache ratio would request Railtel to ask for global cache scalability of 1TB.	As per RFP

26	12 OF SOR-A: Storage – A-1 - Unified Storage system of 600 TB	19	Proposed storage system should be supplied with controller based encryption	Request to change the clause as "Proposed storage system should be supplied with Hardware/controller based encryption with FIPS 140-2 Level-2 Compliance."	We understand Data Security is prime for RAILTEL and Data at Rest Encryption is one of the method to secure the data and FIPS- 140-2-Level 2 standard ensures this protection is in compliance with industry standards and without any overhead. To ensure more participation from leading storage OEM's we request RAILTEL to consider this change.	Corrigendum -VI
27	25-I OF SOR-A: Storage – A-1 - Unified Storage system of 600 TB	20	Proposed storage system should support third- party storage virtualization natively or using another headers in High availability from day1. Necessary licenses and hardware on High availability should be supplied from day1. Any third party solution is also acceptable to achieve this feature for data migration.	Request you to change the clause to "The proposed storage should have data migration capability from the leading storage vendor arrays like HP, IBM, DELLEMC, Hitachi etc.	As per the Corrigendum-III, the major requirement for storage virtualization asked in the specifications is for data migration from the old storage arrays to the proposed arrays. As the entire setup is for cloud & based on VMware virtualization technology, so the most effective & non-disruptive method for data migration would be using native VMware tools rather than using any storage based migration or virtualization technology. Also storage virtualization adds another layer in the entire SAN environment and could result in a bottleneck impacting the overall SLA's & SLO's	As per RFP
28	26-A OF SOR-A: Storage – A-1 - Unified Storage system of 600 TB	20	The storage should support both Synchronous and Asynchronous Data Replication to remote site and licenses should be supplied from day1.	To make it inline with clause 13, 24 and 25-H, we request you to change the clause as "The storage should support both Synchronous and Asynchronous Data Replication to remote site and licenses should be supplied from day1 for unlimited capacity."	As RAILTEL has asked all Licenses for Entire Capacity, similarly RAILTEL must ask for unlimited capacity license for replication	As per RFP

29	6 OF SOR-A: Storage – A-1 - Unified Storage system of 600 TB	19	The Storage should support minimum RAID 5, RAID 6 and RAID10 as different applications requires different performance levels	We request Railtel to consider below change in the clause "The Storage should support minimum Dual Disk Failure Protection"	With advant of SSD's which provide very high performs (IOPS), RAID 10 is not used any more because of Capacity panelty. RAID 5 is also not used as often because Drive Capacities have grown very large and it take time for Drive rebuilds. So RAID 5 with 1 Drive protection may not be good enough. Capacity Panelties on RA+G7ID 10 and Risk of Loosing Data on RAID 5 has made OEM's and customer (RAILTEL RFP also asks for the same) to Look at minimun Dual Disk Protection in order to achieve Best Performing and Protective RAID Level. Also Railtel has asked entire capacity to be provided in dual disk failure configuration.	As per RFP
30	3 OF SOR-A: Storage – A-1 - Unified Storage system of 600 TB	19	The storage should support and be configured with automated data tiering between different drive types namely SSD, SAS, and NL- SAS within the same storage array. The storage should be capable of moving data blocks between these drive types (up and down the tier) depending on the access patterns to ensure optimum storage performance.	Request to remove this point	As the current requirement is for cloud setup where the SLO is managed by the orchestration layer(vMware in this case), the auto-tiering feature when enabled adds an overhead to the solution & may also result in the breach of SLO's.	As per RFP
31	SOR-A: Storage – A- 1 - Unified Storage system of 600 TB		New Clause SOR-A: Storage – A-1 - Unified Storage system of 600 TB	We request Railtel to consider below clause 1. Offered storage array shall support quality of service for critical applications so that appropriate and required response time can be defined for application logical units at storage. It shall be possible to define different service / response time for different application logical units. 2. Quality of service engine shall allow to define minimum and maximum cap for required IOPS /	As stated in our query mentioned above SLA's & SLO's are most critical requirement in any cloud architecture & hence we request Railtel to consider features like QoS, which will enable Railtel to deliver desired performance levels for various applications & tenants	As per RFP

32	SOR-A: Storage – A-1 - Unified Storage system of 600 TB		New Clause SOR-A: Storage – A-1 - Unified Storage system of 600 TB	Offered storage array shall be true multi-tenant and shall support more than 512 Tenant per storage array. Every tenant shall be treated as a separate logical storage array with its own user control access.	Multi-tenancy is basic aspect of any cloud architecture to maintain data sovereignty & the storage should support the same.	As per RFP
33	1 OF SOR-A-Storage – A-3 – SAN Switch:	22	SAN switch should be supplied with minimum 96 * 32Gbps FC ports and all ports should be active with required license and fully populated modules from day one.	We understand Scalability is prime importance for RAILTEL. So Request that Scalability be asked to atleast 128 Ports	As RAILTEL is expanding its cloud solution, and scalability is one of the main tenant of Cloud Architecture, Hence this Option of Port Scalability must be included which will provide investment protection for RAILTEL in the future.	As per RFP
34	SOR-B- Cloud Solution –B-1- Rack Servers:	23	SAP Certification: Server should be SAP HANA certified	Pls do remove this Clause	As we understand application to be deployed is e-office with Vmware. Hence SAP HANA certification for the server is not applicable in current scenario. We would request railtel to remove this clause to maximise solution from leading OEM offerings	As per RFP
35	SOR-B- Cloud Solution –B-1- Rack Servers:	23	Configuration and Management: Zero-touch repository manager and self-updating firmware system using AI/ML.	Request to change this clause as "Configuration and Management: Firmware and driver repository manager and self-updating firmware system using AI/ML."	Please remove OEM specific term like zero touch.	As per RFP
36	Point No. 20 of SOR-B-1 'Rack Server' of Chapter 3 A	24	v. Total storage capacity of each server is considered here as 64 TB. Additional storage capacity (80TB-64TB=16TB) of each server to be provisioned in SAN storage of Unified storage system (SOR-A: Storage-A-1) at DC and DR considering 30 servers to be deployed at each locations. i.e. SAN storage at each Data Centre needs to be provisioned with 480TB usable capacity using max. 6TB NL-SAS drive or SAS/NVMe/SSD drive of any capacity on RAID6. However, in the SAN storage min. 10% SSD (48 TB usable capacity at each location) caching should be provisioned additionally along with storage capacity on SAS/NLSAS/NVMe/SSD.	Request to modify the clause as - ".....For server data storage 16x60= 960TB. Additional storage capacity of each server (80-64=16) TB should be arranged in SAN storage for the proposed solution. Each data center needs to be provisioned with 480TB usable capacity using 8TB or less NL-SAS drives on RAID6 in offered storage solution."	Specifying capacity to be used less than 6 TB would be limiting many leading storage OEM to participate in the bid. To have maximum participation from leading storage OEM request you to change drive capacity to 8TB or less.	Corrigendum -VI

37	SOR-B- Cloud Solution –B-1- Rack Servers:		New Clause SOR-B- Cloud Solution –B-1- Rack Servers:	To enhance security of Railtel infrastructure, request to add following clause - "1. For firmware security, system should support remote management chip creating a fingerprint/digital signature in the silicon/hardware, preventing servers from booting up unless the firmware matches the fingerprint/digital signature. This feature should be immutable. 2. Server should maintain repository for firmware and should be able to rollback, if required. "	In today's IT era security is utmost priority for every organisation and at the same time organisation wants to have provision for quick recovery if anything goes wrong. It becomes more important for cloud environment where services would be exposed to internet.	As per RFP
38			“The offered storage should be a true symmetric active-active storage”. The response given is “Our requirement is to achieve enterprise class storage functionalities wherein host can access all the luns through all the controllers simultaneously. Asymmetric / ALUA, in case of failover might require more storage system resources and a longer response time per I/O”.	– In case the proposed storage meets the enterprise class storage functionality of a host accessing all the LUNs through all the controllers and meeting the performance and capacity criterial of the tender through ALUA architecture, shall be considered technically compliant. Incase if there is any difference of our understanding, we request to reply by email / letter.		Clarification: "Our requirement is to achieve enterprise class storage functionalities wherein hosts can access all the LUNs through all the controllers for both read and write simultaneously without controller failover. Moreover, there should not be any LUN ownership to any specific controller. Our requirement is that I/O workload will always be automatically load balanced across all the controllers such that performance from all the controllers are evenly utilized/distributed."
39			Storage should be equipped with 8*32 Gbps FC ports, 4*10Gbe port for host connectivity. Required SFPs/Optical Module to be populated from day one	If we propose Storage system with double the ports counts i.e 16*16 Gbps FC ports + 4*10Gbe ports meeting the overall bandwidth requirement and IOPS performance as defined in RFP, this should be accepted as technically complied solution.		As per RFP

40			Leaf Switch for Server Connectivity - Switch should have a minimum 40MB buffer of more	Request for Change the buffer size to 32 MB or more so that majority of OEMs can participate. 32MB Buffer size suffices the Spine Leaf fabric for Server /Storage workloads whereas higher buffer have a blocking behavior for application traffic, as per the details mentioned below: 1. Higher buffer switches exhibit higher latency and jitter. High performance applications such as storage, typically have a higher proportion of large packets. These large packets will incur extra latency due to the store and forward function. Also, switching packet data accesses between on-chip SRAM and off-chip DRAM will introduce more jitter. 2. High buffers can hold packets for a very long time and make network troubleshooting difficult. 3. Majority of OEMs supports up to 32MB buffer having 48 port 1/0/25 G with 100g uplinks support 32 MB, as per the public available information https://people.ucsc.edu/~warner/buffer.html		As per RFP
41	Solution Requirement: Monitoring : 52	44	Show the status of the connections based on the dependent connections and the utilization of the links by displaying connection with different width	Pls rephrase as: "Show the status of the connections based on the dependent connections and the utilization of the links by displaying connection with different color/width "	The product interface display of the software differs from OEM to OEM and relies on the product architecture & the various utilities. Thus, the clause to restrict the software to display in a certain fashion must be replaced.	Corrigendum -VI
42	Solution Requirement: Monitoring : 57	44	System licensing should be based only on Physical Hosts and not charge separately for individual guest VMs running on VM Hosts	Removal of the clause	The licensing of the software differs from OEM to OEM and relies on the product architecture & nomenclature. Thus, the clause to fix on the system licensing must be removed and the software must be sized based on the solution envisaged by the bidder for the project tenure.	Corrigendum -VI

43	3.v.	10	Storage based replication and vSAN based replication has been considered while designing the solution	There are 2 types of replication in HCI either ARRAY based or Hypervisor based , in case of Array base existing storage details is required with Replication and snapshot licensing details & for Hypervisor based Replication vSphere Essentials Plus license levels and higher of vCenter version 5.1 and higher is required which details is not mentioned.		As per RFP
44	4.ii	11	ii. The bidder should ensure that all the peripherals, accessories, sub-components required for the functionality and completeness of the proposed solution as mentioned in the scope and specification in the RFP, including but not limited to the devices, equipment, hardware, accessories, software, licenses, tools, etc. shall also be provisioned according to the requirements of the proposed solution without any additional cost to RailTel.	This is indicating the openness of the SoW, need to know the exact frame of the SoW.		As per RFP
45	3.i	12	Primary and backup network connectivity between the DC and DR will be provided by the client.	client word is referring to whom bidder or RailTel		Clarification: Client is RailTel
46	3.ii	12	Required replication link between DC and DR will be provided by client.			
47	3.iii	12	Required prerequisites in network links at the time of failover will be provided by client.			
48	4.v	14	Bidder has to ensure smooth migration from existing SAN switch to proposed SAN switch	Need to know the existing SAN Switch details and this point is contradicting to point 3.vii on page 12		As per RFP
49	4.xv	15	Passive material required, cables, ties, cable manager, tagging/labelling etc will in the bidder scope and will be done as per datacentre standards. For cables CommScope, Belden, RnM or equivalent shall be considered	Existing infra details required.		As per RFP
50	SOR-A	20	Storage should support VMware vStorage API for Array Integration including but not limited to VAAI, VVOL, VASA etc.	What exact feature is required ?		As per RFP

51	Solution Requirement: Monitoring : 52	44	Show the status of the connections based on the dependent connections and the utilization of the links by displaying connection with different width	Pls rephrase as: "Show the status of the connections based on the dependent connections and the utilization of the links by displaying connection with different color/width "	The product interface display of the software differs from OEM to OEM and relies on the product architecture & the various utilities. Thus, the clause to restrict the software to display in a certain fashion must be replaced.	Corrigendum -VI
52	Solution Requirement: Monitoring : 57	44	System licensing should be based only on Physical Hosts and not charge separately for individual guest VMs running on VM Hosts	Removal of the clause	The licensing of the software differs from OEM to OEM and relies on the product architecture & nomenclature. Thus, the clause to fix on the system licensing must be removed and the software must be sized based on the solution envisaged by the bidder for the project tenure.	Corrigendum -VI
53					We request you to kindly extend the tender for 10 days from 8th September 2020 to 18th September 2020. It has multiple OEM involvement and everyone needs time to revert with their timely approvals.	See Corrigendum
54					Requested to extend the bid submission date by 3 weeks i.e., up to 29 Sep 2020	See Corrigendum
55					it is a complex BID, hence we will be needing time to review and submit the solution. Also due to COVID-19 Pandemic Situation, OEM offices are closed, hence we are experiencing issues in arranging the documents within the time frame as indicated above. Hence, humbly request your due consideration for the same and kindly extend the BID submission due date by atleast Twelve Days starting from 8th August 2020.	See Corrigendum

56	scope of work	4.x	The proposed SDN solution must be able to verify configurations before been committed to be adherent to configuration best practices and if any check/verification failure occurs then system must notify it to the admin via a suitable mechanism.	The proposed solution should be able to support configuration verification step before being committed and should be able to notify in case of deviation from defined baseline or best practices	The requirement is too specific to particular OEM's functioning. Requesting to generalise the statement.	Clarification: "Requirement is very generic and not specific to single OEM , Support of configuration verification feature with notification is the basic requirement. The requirement mentioned in the RFP and statement mentioned in the modification request are similar and accepted."
57		4. xi	Bidder needs to provide the network assurance functionality for the existing network environment.	Bidder needs to provide the network assurance/management functionality for the network environment.	1. Network assurance is OEM specific term. Requesting to change it to "assurance/management". 2. the requested feature can not be only for the existing network environment and has to be for the whole network including the new one.	Clarification "Network Assurance is a very generic term. Network assurance is not OEM specific , mulitple SDN solution OEMs supports network assurance. For SDN solution, network assurance is industry general practice. Network assurance provides the continuous assurance for the network with proactive verification and correctness of the data center network .It verifies the network config. Policies , configurations etc. on continuous basis. 2. Network assurance feature is required for proposed solution."
58	SOR-B- Cloud Solution –B-2- Leaf Switch for Server Connectivity: AND SOR-C- Network –C-1 – Leaf Switch:	19	Switch should support minimum 512 VRF instances.	solution should support minimum 512 VRF/virtual network instances	This is OEM restricting unnecessary clause. VRFs are not the only way to provide segmentation in the solution also its not a single switch function. Therefore it is requested to modify statement with overall solution in mind.	Corrigendum -VI
59		20	The switch should support uninterrupted forwarding operation for OSPF, BGP etc. routing protocol to ensure high-availability during primary controller failure.	please remove the clause	The specification is only relevant for chassis based switches with dual supervisor. As the solution is based on fixed formfactor leaf switches, the clause is not relevant.	Clarification "This functionality is related to the SDN Controller. If Primary controller fails, the switch over to backup/secondary controller, should be seamless, without having any effect underline protocols running in the Switches."

60	27	Switch should support multi OEM hypervisor environment and should be able to sense movement of VM and configure network automatically.			As per RFP
61		Switch should integrate and would be part of Existing Fabric (as a Leaf), so that the Data Center Existing Networking environment can be used seamlessly with following Benefits:	Switch/solution should integrate and would be part of Existing Fabric (as a Leaf), so that the Data Center Existing Networking environment can be used seamlessly with following Benefits:	This is an OEM specific clause as the requirement should be part of the overall solution instead of the single switch as also mentioned in "scope of work point 7 to 11). Please make requested changes for broader participation.	Clarification "This should be read with the requirement mentioned in the scope of work which required as a solution. Please refer point no. (vii) of scope of work at page number 14 of the RFP."
62		policy-driven automation through an integrated underlay and overlay, is hypervisor agnostic, and extends policy automation to any workload — including virtual machines, physical bare-metal servers, and containers.			As per RFP
63		If any integration issue of the Leaf switches in the existing controller and Spine -Leaf architecture, bidder to propose separate Spine switches and SDN controller separately.			As per RFP
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66		40	Switch should support MPLS segment routing and VRF route leaking functionality from day 1.	Switch should support MPLS/VXLAN with VRF route leaking functionality from Day1	MPLS segment routing are typically required in a Service Provider environment and is vendor limiting. While VXLAN is used within DC. So requesting to make mentioned changes.	Clarification "RailTel is already a service provider and this particular feature is essential requirement for us, being a Service Provider. However, OEM has to ensure that this features should be available at the time of delivery without any additional cost to RailTel."
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70	13	25	Switch should have smart buffering mechanism to classify long lived versus short lived flows and must have capability to dynamically prioritize short lived flows during congestion to avoid packet drop of mission critical traffic.	Request you to kindly remove this clause.	This clause is OEM specific. Only one OEM can comply, request you to kindly remove so that all leading OEM can comply.	As per RFP
71	17	25	Switch should support for different logical interface types like loopback, VLAN, SVI/RVI, Port Channel, multi chassis port channel/LAG etc.	Switch should support for different logical interface types like loopback, VLAN, SVI/RVI or equivalent, Port Channel, multi chassis port channel/LAG etc.	Terminology differs from OEM to OEM. RVI is OEM specific and SVI is equivalent to VLAN Interface. Request you to kindly modify so that leading OEM can participate.	As per RFP

72	27	26	Switch should support multi OEM hypervisor environment and should be able to sense movement of VM and configure network automatically.	The product to support openstandard environment and uplink to the existing leaf & spine architecture over industry standard L2/L3 protocols.	These clauses restrict to other leading OEMs. Our product support openflow open standard protocol which can be integrate and uplink with existing SDN controller and spine swich-leaf architecture over industry standard L2/L3 protocols.	As per RFP
73			Switch should integrate and would be part of Existing Fabric (as a Leaf), so that the Data Center Existing Networking environment can be used seamlessly with following Benefits:			
74			policy-driven automation through an integrated underlay and overlay, is hypervisor agnostic, and extends policy automation to any workload — including virtual machines, physical bare-metal servers, and containers.			
75			If any integration issue of the Leaf switches in the existing controller and Spine -Leaf architecture, bidder to propose separate Spine switches and SDN controller separately.			
76			The proposed solution must be able to analyze real time data about the network which includes any metadata, configurations, policies, device states or protocol states and then run automated checks to identify potential errors, misconfigurations and network misbehaviours.			
77			The proposed solution must be able to verify configurations before been committed to be adherent to configuration best practices and if any check/ verification failure occurs then system must notify it to the admin via a suitable mechanism			

78	5	35	The switching OEM should be part of latest Gartner's Leaders/Challengers/Visionaries Quadrant for Data Center networking.	Request you to kindly modify the clause as "The switching OEM should be part of latest Gartner's Leader Quadrant for Data Center networking The switching OEM should be part of latest Gartner's Leaders/Challengers/Visionaries Quadrant for Data Center networking.or Wired and wireless network"	HPE Aruba is the leading company for networking and leader in Gartner Magic Quadrant for wired and wireless network since last 4-5 years. HPE Aruba is a manufacturer of Wired and wireless products as well as Datacenter switches also. We are the leader in Gartner Magic Quadrant report for wired and wireless. Request you to kindly modify so that leading OEM can participate.	As per RFP
79	12	36	Switch should have a minimum 40MB buffer of more.	The switch must have minimum 32MB buffer or more.	Technology and architecture differs from OEM to OEMs. 32 MB Packet buffers size is standard for best practice and sufficient for leaf switch and most of the OEMs are supported. Request you to kindly modify so that leading OEM can participate.	As per RFP
80	13	36	Switch should have smart buffering mechanism to classify long lived versus short lived flows and must have capability to dynamically prioritize short lived flows during congestion to avoid packet drop of mission critical traffic.	Request you to kindly remove this clause.	This clause is OEM specific. Only one OEM can comply, request you to kindly remove so that all leading OEM can comply.	As per RFP
81	17	36	Switch should support for different logical interface types like loopback, VLAN, SVI/RVI, Port Channel, multi chassis port channel/LAG etc.	Switch should support for different logical interface types like loopback, VLAN, SVI/RVI or equivalent, Port Channel, multi chassis port channel/LAG etc.	Terminology differs from OEM to OEM. RVI is OEM specific and SVI is equivalent to VLAN Interface. Request you to kindly modify so that leading OEM can participate.	As per RFP
82	27	36-37	Switch should support multi OEM hypervisor environment and should be able to sense movement of VM and configure network automatically.	The product to support openstandard environment and uplink to the existing leaf & spine architecture over industry standard L2/L3 protocols.	These clauses restrict to other leading OEMs. Our product support openflow open standard protocol which can be integrate and uplink with existing SDN controller and spine switch-leaf architecture over industry standard L2/L3 protocols.	As per RFP
83			Switch should integrate and would be part of Existing Fabric (as a Leaf), so that the Data Center Existing Networking environment can be used seamlessly with following Benefits:			

84			policy-driven automation through an integrated underlay and overlay, is hypervisor agnostic, and extends policy automation to any workload — including virtual machines, physical bare-metal servers, and containers.			
85			If any integration issue of the Leaf switches in the existing controller and Spine -Leaf architecture, bidder to propose separate Spine switches and SDN controller separately.			
86			The proposed solution must be able to analyze real time data about the network which includes any metadata, configurations, policies, device states or protocol states and then run automated checks to identify potential errors, misconfigurations and network misbehaviours.			
87			The proposed solution must be able to verify configurations before been committed to be adherent to configuration best practices and if any check/ verification failure occurs then system must notify it to the admin via a suitable mechanism			
88	1 OF SOR-A: Storage – A-1 - Unified Storage system of 600 TB	19	The offered storage should be a true symmetric active-active storage	Request to change this clause as " The offered storage should be a true symmetric active-active storage with two controllers. Controllers / Engines / VSD should be scalable in nature within the same storage upto minimum 4 without using any technologies like federation, external storage virtualization, external switch connectivity."	Looking at current capacity requirement post corrigendum-III which is 1128 TB & future scalability of up to 2PB the dual controller system might not be able to justify the performance requirements at 2PB scale. So in order to provide the right balance for capacity & performance would request Railtel to ask up to four controller scalability within the proposed storage array. Also it to be considered that Railtel has asked secondary storage (backup storage) with 4 controller (Point No. 5 of SOR-A-2 'Backup solution at DC & DR' of Chapter 3 A) and primary storage should be having at least same number of nodes.	As per RFP

89	4 OF SOR-A: Storage – A-1 - Unified Storage system of 600 TB	19	The Storage should be scalable to at least 800 SFF/LFF disk drives on the same set of controllers.	Request the clause to be removed	As capacity scalability is already addressed in Corrigendum-III for RFP Pt. No 2 of SOR A: A- 1, "scalable upto 2 PetaByte usable capacity on SAS/NL-SAS/SSD/NVMe." we request Railtel to remove this point specific to disk drive scalability.	Corrigendum -VI
90	8 OF SOR-A: Storage – A-1 - Unified Storage system of 600 TB	19	Storage should be equipped with 8*32 Gbps FC ports, 4*10Gbe port for host connectivity. Required SFPs/Optical Module to be populated from day one	No Mention of Backend Bandwidth. Request to change the clause as "Storage should be equipped with 8*32 Gbps FC ports, 4*10Gbe port for host connectivity and equivalent of aggregated backend bandwidth. Required SFPs/Optical Module to be populated from day one"	We understand backend bandwidth must be atleast the same as the frontend bandwidth for a non-blocking architecture. Storage should also be supplied with equivalent of aggregate backend bandwidth so that the ports must work on line speed	As per RFP
91	9 OF SOR-A: Storage – A-1 - Unified Storage system of 600 TB	19	The storage system should have minimum 512GB global cache on the same set of proposed controllers for both reads & writes. Cache memory should be delivered on DRAM, any other device or HDD should not be considered as cache. Cache shall be completely dynamic for read and write operations.	Request to change the clause as "The storage system should have minimum 512GB global cache on the same set of proposed controllers for both reads & writes. The Global Cache should be scalable to 1TB. Cache memory should be delivered on DRAM, any other device or HDD should not be considered as cache. Cache shall be completely dynamic for read and write operations."	We understand scalability is prime importance for RAILTEL as asked in corrigendum-III for RFP Pt. No 2 of SOR A: A-1, "scalable upto 2 PetaByte usable capacity on SAS/NL-SAS/SSD/NVMe." to maintain the effective capacity & cache ratio would request Railtel to ask for global cache scalability of 1TB.	As per RFP
92	12 OF SOR-A: Storage – A-1 - Unified Storage system of 600 TB	19	Proposed storage system should be supplied with controller based encryption	Request to change the clause as "Proposed storage system should be supplied with Hardware/controller based encryption with FIPS 140-2 Level-2 Compliance."	We understand Data Security is prime for RAILTEL and Data at Rest Encryption is one of the method to secure the data and FIPS- 140-2-Level 2 standard ensures this protection is in compliance with industry standards and without any overhead. To ensure more participation from leading storage OEM's we request RAILTEL to consider this change.	Corrigendum -VI

93	25-I OF SOR-A: Storage – A-1 - Unified Storage system of 600 TB	20	Proposed storage system should support third-party storage virtualization natively or using another headers in High availability from day1. Necessary licenses and hardware on High availability should be supplied from day1. Any third party solution is also acceptable to achieve this feature for data migration.	Request you to change the clause to "The proposed storage should have data migration capability from the leading storage vendor arrays like HP, IBM, DELLEMC, Hitachi etc.	As per the Corrigendum-III, the major requirement for storage virtualization asked in the specifications is for data migration from the old storage arrays to the proposed arrays. As the entire setup is for cloud & based on VMware virtualization technology, so the most effective & non-disruptive method for data migration would be using native VMware tools rather than using any storage based migration or virtualization technology. Also storage virtualization adds another layer in the entire SAN environment and could result in a bottleneck impacting the overall SLA's & SLO's	As per RFP
94	26-A OF SOR-A: Storage – A-1 - Unified Storage system of 600 TB	20	The storage should support both Synchronous and Asynchronous Data Replication to remote site and licenses should be supplied from day1.	To make it inline with clause 13, 24 and 25-H, we request you to change the clause as "The storage should support both Synchronous and Asynchronous Data Replication to remote site and licenses should be supplied from day1 for unlimited capacity."	As RAILTEL has asked all Licenses for Entire Capacity, similarly RAILTEL must ask for unlimited capacity license for replication	As per RFP

95	6 OF SOR-A: Storage – A-1 - Unified Storage system of 600 TB	19	The Storage should support minimum RAID 5, RAID 6 and RAID10 as different applications requires different performance levels	We request Railtel to consider below change in the clause "The Storage should support minimum Dual Disk Failure Protection"	With advant of SSD's which provide very high performs (IOPS), RAID 10 is not used any more because of Capacity panelty. RAID 5 is also not used as often because Drive Capacities have grown very large and it take time for Drive rebuilds. So RAID 5 with 1 Drive protection may not be good enough. Capacity Panelties on RA+G7ID 10 and Risk of Loosing Data on RAID 5 has made OEM's and customer (RAILTEL RFP also asks for the same) to Look at minimun Dual Disk Protection in order to achieve Best Performing and Protective RAID Level. Also Railtel has asked entire capacity to be provided in dual disk failure configuration.	As per RFP
96	3 OF SOR-A: Storage – A-1 - Unified Storage system of 600 TB	19	The storage should support and be configured with automated data tiering between different drive types namely SSD, SAS, and NL-SAS within the same storage array. The storage should be capable of moving data blocks between these drive types (up and down the tier) depending on the access patterns to ensure optimum storage performance.	Request to remove this point	As the current requirement is for cloud setup where the SLO is managed by the orchestration layer(vMware in this case), the auto-tiering feature when enabled adds an overhead to the solution & may also result in the breach of SLO's.	As per RFP

97	SOR-A: Storage – A-1 - Unified Storage system of 600 TB		New Clause SOR-A: Storage – A-1 - Unified Storage system of 600 TB	We request Railtel to consider below clause 1. Offered storage array shall support quality of service for critical applications so that appropriate and required response time can be defined for application logical units at storage. It shall be possible to define different service / response time for different application logical units. 2. Quality of service engine shall allow to define minimum and maximum cap for required IOPS / bandwidth for a given logical units of application running at storage array. 3. It shall be possible to change the quality of service Response time (In both milliseconds as well as Sub-milliseconds), IOPS, bandwidth specification at real time.	As stated in our query mentioned above SLA's & SLO's are most critical requirement in any cloud architecture & hence we request Railtel to consider features like QoS, which will enable Railtel to deliver desired performance levels for various applications & tenants	As per RFP
98	SOR-A: Storage – A-1 - Unified Storage system of 600 TB		New Clause SOR-A: Storage – A-1 - Unified Storage system of 600 TB	Offered storage array shall be true multi-tenant and shall support more than 512 Tenant per storage array. Every tenant shall be treated as a separate logical storage array with its own user control access.	Multi-tenancy is basic aspect of any cloud architecture to maintain data sovereignty & the storage should support the same.	As per RFP
99	1 OF SOR-A-Storage – A-3 – SAN Switch:	22	SAN switch should be supplied with minimum 96 * 32Gbps FC ports and all ports should be active with required license and fully populated modules from day one.	We understand Scalability is prime importance for RAILTEL. So Request that Scalability be asked to atleast 128 Ports	As RAILTEL is expanding its cloud solution, and scalability is one of the main tenant of Cloud Architecture, Hence this Option of Port Scalability must be included which will provide investment protection for RAILTEL in the future.	As per RFP
100	SOR-B- Cloud Solution –B-1- Rack Servers:	23	SAP Certification: Server should be SAP HANA certified	Pls do remove this Clause	As we understand application to be deployed is e-office with Vmware. Hence SAP HANA certification for the server is not applicable in current scenario. We would request railtel to remove this clause to maximise solution from leading OEM offerings	As per RFP
101	SOR-B- Cloud Solution –B-1- Rack Servers:	23	Configuration and Management: Zero-touch repository manager and self-updating firmware system using AI/ML.	Request to change this clause as "Configuration and Management: Firmware and driver repository manager and self-updating firmware system using AI/ML."	Please remove OEM specific term like zero touch.	As per RFP

102	Point No. 20 of SOR-B-1 'Rack Server' of Chapter 3 A	24	v. Total storage capacity of each server is considered here as 64 TB. Additional storage capacity (80TB-64TB=16TB) of each server to be provisioned in SAN storage of Unified storage system (SOR-A: Storage-A-1) at DC and DR considering 30 servers to be deployed at each locations. i.e. SAN storage at each Date Centre needs to be provisioned with 480TB usable capacity using max. 6TB NL-SAS drive or SAS/NVMe/SSD drive of any capacity on RAID6. However, in the SAN storage min. 10% SSD (48 TB usable capacity at each location) caching should be provisioned additionally along with storage capacity on SAS/NLSAS/NVMe/SSD.	Request to modify the clause as - ".....For server data storage 16x60= 960TB. Additional storage capacity of each server (80-64=16) TB should be arranged in SAN storage for the proposed solution. Each data center needs to be provisioned with 480TB usable capacity using 8TB or less NL-SAS drives on RAID6 in offered storage solution."	Specifying capacity to be used less than 6 TB would be limiting many leading storage OEM to participate in the bid. To have maximum participation from leading storage OEM request you to change drive capacity yo 8TB or less.	Corrigendum -VI
103	SOR-B- Cloud Solution –B-1- Rack Servers:		New Clause SOR-B- Cloud Solution –B-1- Rack Servers:	To enhance security of Railtel infrastructure, request to add following clause - "1. For firmware security, system should support remote management chip creating a fingerprint/digital signature in the silicon/hardware, preventing servers from booting up unless the firmware matches the fingerprint/digital signature. This feature should be immutable. 2. Server should maintain repository for firmware and should be able to rollback, if required. "	In today's IT era security is utmost priority for every organisation and at the same time organisation wants to have provision for quick recovery if anything goes wrong. It becomes more important for cloud environment where services would be exposed to internet.	As per RFP
104			We are interested to participate in the above mentioned tender and are in touch with various OEMs to get the best price and to prepare a comprehensive solution and competitive bid. This process is taking time, hence we would request to kindly extend the last date of bid submission by at least 3 weeks to enable us to submit a techno commercially viable solution.			See Corrigendum

105			We are interested to participate in the above mentioned tender and we were also working with the OEMs for bidding. Corrigendum-III with Pre-bid response has been recently published and we have to re-evaluate the OEMs for compliance. Under this pandemic Covid 19, re-evaluation of OEMs for compliance is taking time. So we would like to seek an extension for Bid Submission date by 2 weeks for arranging the required documents for bidding. Looking forward to receiving your support.			See Corrigendum
106			We are willing to participate in this bid and looking forward to submit our best techno commercial proposal. In the same regard we request you to please extend the submission date for at least 10 days from the last date of submission of this bid. Our company has the requisite technological expertise and credentials for participation and has deep intentions to carry out this project. But due to the National Health emergency & lockdown across India due to COVID-19, it is difficult to get the technical & Commercial Bid documents from various OEM's across India as many OEM's are also not fully operational. So, considering the above mentioned circumstances, we request for extension of bid submission date at least 10 Days. Look ahead to hear from you and solicit your co-operation on the same.			See Corrigendum

107					The current submission date for this tender is September 8th, 2020 – Tuesday. Kindly note, we are participating in this tender. With reference to RFP after corrigendum issued, there are some changes in technical specification and documentation of OEM. OEMs are working on documentation in line with corrigendum. But most of OEM's authorized signatories are based out of India and due to the Covid pandemic, they release the documents only upon receipt of approvals from the concerned departments. This is leading to an inadvertent delay in sharing the documents from OEM side. Therefore, We would request you to please extend the submission date of this tender by another 7 working days. Looking forward to your support. Please revert in case you should require any further clarifications	See Corrigendum
108	scope of work	4.x	The proposed SDN solution must be able to verify configurations before been committed to be adherent to configuration best practices and if any check/verification failure occurs then system must notify it to the admin via a suitable mechanism.	The proposed solution should be able to support configuration verification step before being committed and should be able to notify in case of deviation from defined baseline or best practices	The requirement is too specific to particular OEM's functioning. Requesting to generalise the statement.	Clarification: "Requirement is very generic and not specific to single OEM , Support of configuration verification feature with notification is the basic requirement. The requirement mentioned in the RFP and statement mentioned in the modification request are similar and accepted."

109		4. xi	Bidder needs to provide the network assurance functionality for the existing network environment.	Bidder needs to provide the network assurance/ management functionality for the network environment.	1. Network assurance is OEM specific term. Requesting to change it to "assurance/management". 2. the requested feature can not be only for the existing network environment and has to be for the whole network including the new one.	Clarification "Network Assurance is a very generic term. Network assurance is not OEM specific , multiple SDN solution OEMs supports network assurance. For SDN solution, network assurance is industry general practice. Network assurance provides the continuous assurance for the network with proactive verification and correctness of the data center network .It verifies the network config. Policies , configurations etc. on continuous basis. 2. Network assurance feature is required for proposed solution."
110	SOR-B- Cloud Solution –B-2- Leaf Switch for Server Connectivity: AND	19	Switch should support minimum 512 VRF instances.	solution should support minimum 512 VRF/ virtual network instances	This is OEM restricting unnecessary clause. VRFs are not the only way to provide segmentation in the solution also its not a single switch function. Therefore it is requested to modify statement with overall solution in mind.	Corrigendum -VI
111	SOR-C- Network –C- 1 – Leaf Switch:	20	The switch should support uninterrupted forwarding operation for OSPF, BGP etc. routing protocol to ensure high-availability during primary controller failure.	please remove the clause	The specification is only relevant for chassis based switches with dual supervisor. As the solution is based on fixed formfactor leaf switches, the clause is not relevant.	Clarification "This functionality is related to the SDN Controller. If Primary controller fails, the switch over to backup/secondary controller, should be seamless, without having any effect underline protocols running in the Switches."
112		27	Switch should support multi OEM hypervisor environment and should be able to sense movement of VM and configure network automatically.			As per RFP
113			Switch should integrate and would be part of Existing Fabric (as a Leaf), so that the Data Center Existing Networking environment can be used seamlessly with following Benefits:	Switch/ solution should integrate and would be part of Existing Fabric (as a Leaf), so that the Data Center Existing Networking environment can be used seamlessly with following Benefits:	This is an OEM specific clause as the requirement should be part of the overall solution instead of the single switch as also mentioned in "scope of work point 7 to 11). Please make requested changes for broader participation.	Clarification "This should be read with the requirement mentioned in the scope of work which required as a solution. Please refer point no. (vii) of scope of work at page number 14 of the RFP."

114		policy-driven automation through an integrated underlay and overlay, is hypervisor agnostic, and extends policy automation to any workload — including virtual machines, physical bare-metal servers, and containers.			As per RFP
115		If any integration issue of the Leaf switches in the existing controller and Spine -Leaf architecture, bidder to propose separate Spine switches and SDN controller separately.			As per RFP
116		The proposed solution must be able to analyze real time data about the network which includes any metadata, configurations, policies, device states or protocol states and then run automated checks to identify potential errors, misconfigurations and network misbehaviours.			As per RFP
117		The proposed solution must be able to verify configurations before been committed to be adherent to configuration best practices and if any check/verification failure occurs then system must notify it to the admin via a suitable mechanism	The proposed solution should be able to support configuration verification step before being committed and should be able to notify in case of deviation from defined baseline or best practices	The requirement is too specific to particular OEM's functioning. Requesting to generalise the statement.	Clarification "Requirement is very generic and not specific to single OEM , Support of configuration verification feature with notification is the basic requirement. The requirement mentioned in the RFP and statement mentioned in the modification request are similar and accepted."
118	40	Switch should support MPLS segment routing and VRF route leaking functionality from day 1.	Switch should support MPLS/VXLAN with VRF route leaking functionality from Day1	MPLS segment routing are typically required in a Service Provider environment and is vendor limiting. While VXLAN is used within DC. So requesting to make mentioned changes.	Clarification "RailTel is already a service provider and this particular feature is essential requirement for us, being a Service Provider. However, OEM has to ensure that this features should be available at the time of delivery without any additional cost to RailTel."

119			This is with reference to the above mentioned tender for “Supply, Installation, Testing & Commissioning for Expansion of Cloud Infrastructure Storage, Backup and End Point Security System of Data Center (DC & DR) of RailTel for Indian Railway e-Office Project”, we are in receipt of pre-bid response and corrigendum. We along with our consortium partner is meeting all pre-qualification criteria and presently working on the bid preparation. We have started OEM interaction only after receiving pre-bid corrigendum-III in which Railtel has allowed bidding with consortium and hence preparing bid by 8th September is very challenging. We therefore request for at least 2 weeks extension in bid submission time. Also with respect to the corrigendum, we seek further clarity on few points enclosed for your reference. Please have a look and issue necessary clarification. (Quries of HFCL are attched in Annexure E)			See Corrigendum
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120	12.2.1	64, 78	The tenderer should have executed Single order showcasing supply, installation, testing, commissioning, implementation and operations projects for Data Center solutions commercially costing not less than 35% of the tendered value during last preceding 3 financial years (i.e. current year and three previous financial years) from the date of opening of tender. The bidder shall also furnish Supply/ work completion certificate issued by customer/s for the Purchase Orders/ Work Orders. Copy of work orders supported with relevant documentary evidences for the same and the completion certificates issued by customer/s for the Purchase Orders/ Work Orders. Documentary evidence should clearly indicate the nature of systems implemented for each project.	Referring to newly added clause no. 47 (1.1), we understand that tenderers are allowed to pool their resources and experience to form consortia. Further, referring to clause 1.2 (of newly added clause no. 47), where lead bidder is asked to have experience of similar works, we understand that it is anticipated - lead bidder to have have similar experience whereas to meet the requisite work experience of 35% of total tendered value in last 3 financial years, experience of any of the consortium partner shall be considered. Please confirm if our understanding is correct.	As consortium is allowed, it is logical to meet the experience criteria either by any one partner or cummulatively by all the consortium partners.	As per RFP
121	47 (1.1)	8 (Corr. III)	In view of nature of work covered in the Bid documents, it is anticipated that some of the intending tenderers will pool their resources and experience to form consortia. Consortium bids are permitted with each consortia of tenderers allowed to have at maximum two members, the consortia of tenderers must clearly define the lead bidder of the consortia along with its roles and responsibilities.			
122	47 (1.2)	9 (Corr. III)	The Lead bidder should have experience of execution of similar works (Definition of similar work is as per the clause 12.2.1 of Chapter 4). In their own interest the tenderers who form such a consortia are advised to investigate capabilities, availability of resources, experienced personnel, financial soundness, past experience and concurrent engagements of constituting partners.			

123	47 (1.8)	10 (Corr. III)	Consortium shall not have more than two members and each consortium member shall have minimum 30% contribution in the work. A Consortium must submit a Power of Attorney by the other member of the Consortium in favor of the Lead Member. This is also to be enshrined in Memorandum of Agreement signed by the Consortium Members and submitted along with the bid. Members of consortium should sign every sheet of price bid as a token of acceptance of all quoted prices by members, failing which the offer will stand summarily rejected.	As Lead partner/ bidder is already being authorised by other partner to sign the bid on behalf of consortium, signing every sheet of Price Bid by both the consortium partners is not logical.	This is stringent requirement for a consortium bid where lead partner is authorized by all the partner to sign/act on their behalf.	Corrigendum -VI
124	47 (1.10)	10 (Corr. III)	Firms should submit the affidavit (As per Form-8) & Consortium Agreement (As per Form-9) along with the bid/offer.	These forms (Form-8 and Form-9) are not provided in the tender document. Please share these forms through next corrigendum.	These Forms are not there in tender document.	Corrigendum -VI
125	SOR-A Storage A2, Backup Solution at DC & DR.	20	Recovery verification should automatically boot the server from backup and verify the recoverability of VM image, Guest OS and Application Consistency.			Corrigendum -VI