



**Setup and Implementation Of ReBIT Private Cloud Sandbox Environment (RSB)**

-----  
**REQUEST FOR PROPOSAL (RFP)**

**CORRIGENDUM # 3**  
**And**  
**Response to Pre-bid queries**

(7<sup>th</sup> May 2021)  
RFP: ReBIT/2021 / CPO / 037

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**Reserve Bank Information Technology Pvt. Ltd.**  
**502, Building No 1, Mindspace Juinagar, Nerul, Navi Mumbai – 400706**

Following are the changes / clarification in the RFP terms. All the bidders are requested to refer the "Corrigendum / Revised Terms" column as below:

Page No	Clause No	Existing Terms	Corrigendum / Revised Terms																
3 of 62	Schedule of Events	Last date and time for bid submission (on or before)  14-May-2021 upto 15:00 Hrs through CPPP e-procurement portal (URL: <a href="https://eprocure.gov.in/eprocure/app">https://eprocure.gov.in/eprocure/app</a> )	Last date and time for bid submission (on or before)  <b>19-May-2021</b> upto 15:00 Hrs through CPPP e-procurement portal (URL: <a href="https://eprocure.gov.in/eprocure/app">https://eprocure.gov.in/eprocure/app</a> )																
3 of 62	Schedule of Events	Technical Bid opening  17-May-2021 at 16:00 Hrs in CPP e-procurement Portal: ( <a href="https://eprocure.gov.in/eprocure/app">https://eprocure.gov.in/eprocure/app</a> )	Technical Bid opening  <b>20-May-2021</b> at 16:00 Hrs in CPP e-procurement Portal: ( <a href="https://eprocure.gov.in/eprocure/app">https://eprocure.gov.in/eprocure/app</a> )																
41	17.5 Penalties, Table 3, S.No 6, Availability of RSB Platform during operate and transfer phase and Corrigendum 1	Penalty: Penalty will be levied as per the following table: <table border="1" data-bbox="373 943 873 1361"> <thead> <tr> <th>% Availability</th> <th>Penalty as % of the Operate &amp; Transfer cost</th> </tr> </thead> <tbody> <tr> <td>&lt; 99.9% &amp; &gt;= 99.5%</td> <td><u>1%</u></td> </tr> <tr> <td>&lt; 99% &amp; &gt;= 99.5%</td> <td><u>2%</u></td> </tr> <tr> <td>&lt; 98% &amp; &gt;= 97%</td> <td><u>3%</u></td> </tr> </tbody> </table> For each additional drop of 1% in availability below <u>97%</u> , penalty of 3% of Operate & Transfer phase will be calculated as additional Performance measure.	% Availability	Penalty as % of the Operate & Transfer cost	< 99.9% & >= 99.5%	<u>1%</u>	< 99% & >= 99.5%	<u>2%</u>	< 98% & >= 97%	<u>3%</u>	Penalty: Penalty will be levied as per the following table: <table border="1" data-bbox="927 909 1426 1328"> <thead> <tr> <th>% Availability</th> <th>Penalty as % of the Operate &amp; Transfer cost</th> </tr> </thead> <tbody> <tr> <td>&lt; 99.9% &amp; &gt;= 99.5%</td> <td>1%</td> </tr> <tr> <td><b>&lt; 99.5% &amp; &gt;= 98%</b></td> <td>2%</td> </tr> <tr> <td>&lt; 98% &amp; &gt;= 97%</td> <td>3%</td> </tr> </tbody> </table> For each additional drop of 1% in availability below 97%, penalty of 3% of Operate & Transfer phase will be calculated as additional Performance measure.	% Availability	Penalty as % of the Operate & Transfer cost	< 99.9% & >= 99.5%	1%	<b>&lt; 99.5% &amp; &gt;= 98%</b>	2%	< 98% & >= 97%	3%
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41	17.5 Penalties, Table 3, S.No 7, IOPS during operate and transfer phase and Corrigendum 1	Description: IOPS during operate and transfer phase: <b><u>Estimated Minimum IOPS in a Cluster- 4 Lakhs with 4KB block size. 70% &amp; 30% RW Ratio. Latency should be less than 5 milliseconds.</u></b>  Service level target: >=99.99% in the Operate & Transfer phase  Penalty: Penalty will be levied as per the following table:	Description: IOPS during operate and transfer phase: Estimated Minimum IOPS in a Cluster- 4 Lakhs with 4KB block size. 70% & 30% RW Ratio. Latency should be less than 5 milliseconds.  Service level target: >=99.99% in the Operate & Transfer phase  Penalty: Penalty will be levied as per the following table:																

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48	Section 22: Indemnity, i	<p>Bidder shall indemnify, protect and save ReBIT and hold ReBIT harmless from and against all claims, losses, costs, damages, expenses, action suits and other proceedings, (including reasonable attorney fees), relating to or resulting directly or indirectly from -</p> <ol style="list-style-type: none"> <li>an act or omission of the Bidder, its employees, its agents, or employees of the consortium in the performance of the services provided by the Bidder,</li> <li>breach of any of the terms of this RFP or breach of any representation or warranty by the Bidder</li> <li>Use of the deliverables and or services provided by the Bidder,</li> <li>Infringement of any patent trademarks copyrights etc. or such other statutory infringements in respect of all components provided to fulfil the scope of this project.</li> </ol> <p>Bidder shall further indemnify ReBIT against any loss or damage to ReBIT's premises or property, ReBIT's data, direct financial loss, loss of life, etc., due to the acts of the Bidder's employees or representatives.</p> <p>The Bidder shall further indemnify ReBIT against any loss or damage arising out of loss of data, claims of infringement of third- party copyright, patents, or other intellectual property, and third-party</p>	<p>Bidder shall indemnify, protect and save ReBIT and hold ReBIT harmless from and against <b>all third party claims</b>, losses, costs, damages, expenses, action suits and other proceedings, (including reasonable attorney fees), relating to or resulting directly or indirectly from -</p> <ol style="list-style-type: none"> <li><b><u>Use of the deliverables and or services provided by the Bidder.</u></b></li> <li><b><u>Infringement of any patents, trademarks, copyrights, intellectual property etc. or such other statutory infringements in respect of all components provided to fulfil the scope of this project.</u></b></li> </ol> <p>Bidder shall further indemnify ReBIT against any loss or damage to ReBIT's premises or property, ReBIT's data, direct financial loss, loss of life, etc., due to the acts of the Bidder's employees or representatives.</p> <p><b><u>The Bidder shall indemnify ReBIT as mentioned above at all points of time, provided.</u></b></p> <ol style="list-style-type: none"> <li>ReBIT notifies the Bidder in writing in a reasonable time frame on being aware of such claim,</li> <li>The Bidder has sole control of defence and all related settlement negotiations,</li> <li>ReBIT provides the Bidder with the assistance, information and authority as it deems fit to perform the above.</li> </ol>																

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		claims on ReBIT for malfunctioning of the equipment or software or deliverables at all points of time, provided however, i. ReBIT notifies the Bidder in writing in a reasonable time frame on being aware of such claim, ii. The Bidder has sole control of defence and all related settlement negotiations, iii. ReBIT provides the Bidder with the assistance, information and authority as it deems fit to perform the above.	
7/16 4	Corrigendum # 1	1. CPU - Minimum Two x 24 core with latest series Processor.	1. CPU - Minimum Two x 24 core with latest <b>Intel</b> series Processor.
6/16 4	Corrigendum # 1	The specification is changed as below: The proposed HCI must natively support File Services (NFS, CIFS & SMB) and file replication across HCI clusters and data centres.	The proposed HCI must support File Services (NFS, CIFS & SMB) and file replication across HCI clusters and data centres. <b><u>If the HCI OEM Solution provider doesn't have the native file services with NFS, CIFS &amp; SMB protocol support, then Bidder has to quote external enterprise class file services within the overall solution without additional cost to ReBIT.</u></b>
87	Annexure J: Technical Specifications - L: other: Point vii	Scalability: HCI solution should support dynamic scalability without Zero downtime and automated resource allocation during upgrades. The upgrade should be granular and in 1 node increments. The solution must support adding storage only nodes if needed without resulting in additional SW license cost either for DBs or hypervisor.	Scalability: HCI solution should support dynamic scalability without <b><u>any downtime and automated resource allocation during upgrades. The upgrade should be granular and in 1 node increments. The solution must support adding storage only nodes.</u></b>
4	Corrigendum # 1	In the event of a node failure, virtual machines should automatically run on available other node, without any downtime.	In the event of a node failure, virtual machines should automatically run on available other node, <b><u>only with downtime w.r.t. to time required to restart VM. This is required for all VMs from day 1.</u></b>
89	L. Other. xvii.*	The solution should have other Managed Services - OS Management - DB Management - Security Management - Network Management - Real Time Latency Monitoring Tool - DDoS Protected Bandwidth - Real Time Monitoring of Bandwidth Usage - Multilayer Configuration of Devices - Network Governance - Monitoring Management - Monitor more parameters - Deep Monitoring including Services	<b><u>Software HCI should support to Key Management Systems (KMS).</u></b>  Rest of the requirements mentioned in this specification are removed as they are already covered in RFP. (Refer: 5.4. Software requirements --->xvii. Key requirements of the HCI solution: ----> r)

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		<ul style="list-style-type: none"> <li>- SMS and Email alerts for Instant Action</li> <li>-Automated Ticket Generation and Proactive Resolution</li> <li>- Content Delivery Network (CDN) for App, Web</li> <li>- External Object Storage like AWS/S3</li> <li>- Disaster Recovery of Cold DR with Backup (Active-Passive model)</li> <li>- Hardware</li> </ul> Software HCI should support to Key Management Systems (KMS).	
10	Table 1	GPU (for limited cluster requirement). Bidder can propose equivalent GPU with similar memory & performance	GPU (for limited cluster requirement). <b><u>Bidder may propose GPU card with 4600 or more compute cores, 300 or more Tensor cores and 32GB video memory. GPU should support both compute and graphics workloads in a VM and should also support Live Motion feature on a supported Hypervisor. The GPU supplied should be the latest certified model available on the platform at the time of placing the purchase order. (It should be tested and verified on respective HCI layer and Server).</u></b>
10	Table 1 , Column: Year 1	Tesla V100 32 GPU or Equivalent (2 numbers)	<b><u>GPU card with 4600 or more compute cores, 300 or more Tensor cores and 32GB video memory. GPU should support both compute and graphics workloads in a VM and should also support Live Motion feature on a supported Hypervisor. The GPU supplied should be the latest certified model available on the platform at the time of placing the purchase order. (It should be tested and verified on respective HCI layer and Server).</u></b>  <b><u>Perpetual license for Graphics + Compute profile with 5-year online support should be provided along with the GPU.</u></b>  <b><u>Total number of GPU Cards: 5.</u></b> <b><u>No. of virtualization require: 1 per GPU.</u></b> <b><u>If virtualization require licenses, the bidder shall provide the same as part of the Solution.</u></b>
76	Annexure J: Technical Specifications:4.Encryption and Compliance	Data encryption applies to the following data on private cloud <ul style="list-style-type: none"> <li>- Data at rest</li> <li>- Data in motion</li> <li>- Data available over an API to external sources /applications</li> </ul>	Changed from “Must have” to “Nice to have” & removed “*” .

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	Services ----> i.*		
77	Annexure J: Technical Specifications:4.Encryption and Compliance Services ----> ii.*	Data should be encrypted as per the industry acceptable Encryption Standards and policies	Changed from "Must have" to "Nice to have" & removed "*" .
122/ 164	Corrigendum 1	Should have minimum 64 GB memory and upgradable to 256 GB of Memory and minimum 4TB HDD.	U. xii* "Should have minimum 64 GB memory and upgradable to 256 GB of Memory" - Must Have
188	T (Link Load Balancer)	Additional point	Additional point with * mark T.2.xiii * "The proposed appliance should have its own Hypervisor based Virtualization feature (NOT any third party or open source network function virtualization) that virtualizes the device resources—including CPU, memory, network, management, configuration, operating system and acceleration resources." - Must Have
188	T (Link Load Balancer)	Additional point	T.2.xiv - "The proposed appliance should have capability to run in standalone as well as virtualized mode." - Nice To Have
188	T (Link Load Balancer)	Additional point	Additional point with * mark T. 1.xx* - "The proposed appliance should support No NAT of Link Load Balancer which will allow VPN/ or VC traffic to flow as it is." - Must Have
121	U Server/Application Load Balancer	Additional point	U.2.x - "The proposed appliance should have capability to run in standalone as well as virtualized mode." - Nice To Have
98	Q, 3.iv	The line card proposed in the Switch should have minimum 0.7MB packet buffer per port	Specification modified as below, J.3.iv "The line card proposed in the Switch should have minimum <b>0.666 MB packet buffer per port</b> " - Must Have
99	Q, 6. iv	a. PIM-SM (RFC 4601)	a. PIM-SM ( <b>RFC 7761</b> )
102	R, 3.iii	The switch proposed should have minimum 40 MB Packet Buffer	The switch proposed should have minimum <b>32 MB Packet Buffer</b> - Must Have
107	S, 2. xi*	NGFW must support at least minimum 5Gbps of performance considering below features & functionality enabled. 1) NGIPS 2) Anti-Malware + Anti-Bot 3) Application visibility and control. 4) URL Filtering 5) SSL inspection with industry standard ciphers used.	"NGFW must support below minimum throughput performance with features & functionality enabled, 1) FW Throughput - Minimum 30 Gbps 2) Threat Prevention (NGIPS, Application visibility/control and categorised based URL filtering, Antimalware + Antibot, Antivirus) - Minimum 10 Gbps 3) SSL/TLS inspection with industry standard ciphers used - Minimum 5 Gbps - Must Have

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			<p>Bidder should furnish the publicly published document for the above clause. In case such publicly published document is not available, bidder should submit letter from their OEM in this regard. Letter of OEM should be signed by their authorised person legally binding them towards adherence for the requirement."</p> <p>Above performance requirement is minimum. Bidder has to propose appropriate solution to cater above requirements and minimum interfaces speed &amp; performance requirement.</p>
9/164	Corrigendum 1	Firewall provided by bidder should not exceed beyond 75% of CPU and Memory utilization as per quoted device capacity and specification for more than 10 working days during peak hours(9AM-7:00PM), with all the features enabled and running. In case of increase in resource utilization OEM/bidder should upgrade the device without additional cost to ReBIT. This needs to be consider for the complete tenure. Must Have	Firewall provided by bidder should not exceed beyond 75% of CPU and Memory utilization as per quoted device capacity and specification for more than 10 working days during peak hours(9AM-7:00PM), with all the features enabled and running. In case of increase in resource utilization OEM/bidder should upgrade/ <u>replace</u> the device without additional cost to ReBIT. <b><u>This needs to be consider for first two years of tenure</u></b> - Must Have
116	S, 11. vi*	Proposed solution must provide on prem sandboxing supporting minimum 6xWin-10 OS concurrent VM sandboxing licenses and Mitre ATT&CK based reporting to provide malware techniques and it should be scalable without adding additional hardware. OR Proposed OEM Sandbox must be able to scan minimum 10000 files using pre-filters and minimum 200 Zero-day files over VM sandboxing environment per day	Proposed solution must provide on prem sandboxing supporting minimum 6xWin-10 OS concurrent VM sandboxing licenses and Mitre ATT&CK based reporting to provide malware techniques and it should be scalable <b>to 12 VMs</b> without adding additional hardware. OR Proposed OEM Sandbox must be able to scan minimum 10000 files using pre-filters and minimum 200 Zero-day files over VM sandboxing environment per day.
116	S, 11. viii*	Additional point	Appliance should support redundant power supply - Must Have
99	Q, 6. ii	Switch should support MPLS segment routing and VRF route leaking functionality from day 1	Clause modified as, Q.6.ii "Switch should support <b><u>VRF functionality</u></b> from day 1"

**Please read the aforesaid corrigendum along with the issued RFP document. All other terms and conditions which are not covered in this Corrigendum, will be as per the original RFP - Setup and Implementation Of ReBIT Private Cloud Sandbox Environment (RSB) Ref: ReBIT/2021 / CPO / 037 dated 22<sup>nd</sup> March 2021 and Corrigendum # 1 dated 19<sup>th</sup> April 2021.**



**Setup and Implementation Of ReBIT Private Cloud Sandbox Environment (RSB)**

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**REQUEST FOR PROPOSAL (RFP)**

**RESPONSE TO PRE-BID QUERIES**

(7<sup>th</sup> May 2021)

RFP: ReBIT/2020 / CPO / 037

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S.No	Query Reference (Page)	Query Reference (Clause)	Existing clause of the RFP	Query by the Vendor	ReBIT's Response
1	118	T	<p>The OEM should be in the Gartner's Leaders Magic Quadrant for "Application Delivery Controllers" in the latest published report.</p> <p><b>Corrigendum 1, 19th April Page 118:</b> The is removed for the specification.</p>	<p>With respect to RFP's other product, Rebit have considered Gartner for other core technology understanding the robustness of solution and stability of Network,</p> <p><b>Hence it is recommended to reconsider this specs as Gartner's Leaders for Application delivery Controller</b></p>	No Change in specification
2	121	U	<p>The OEM should be in the Gartner's Leaders Magic Quadrant report for "Application Delivery Controllers" in the latest published report.</p> <p><b>Corrigendum 1, 19th April Page 121:</b> The is removed for the specification.</p>	<p>With respect to RFP's other product, Rebit have considered Gartner for other core technology understanding the robustness of solution and stability of Network,</p> <p><b>Hence it is recommended to reconsider this specs as Gartner's Leaders for Application delivery Controller</b></p>	No Change in specification

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3	122	U	<p>Should have minimum 64 GB memory and upgradable to 96 GB of Memory.</p> <p><b>Corrigendum 1, 19th April Page 122:</b> Should have minimum 64 GB memory and upgradable to 256 GB of Memory and minimum 4TB HDD.</p>	<p>The above point in RFP for support of 4TB storage on the appliance is biased towards a "SINLGL OEM". As per the RFP specs for SLB, the storage of 500GB minimum should be sufficient.</p> <p>High HDD may be required on SLB for Log storage only, and as security parse it's not recommended to store the logs/Events on the appliance. These logs/events should be moved to a Syslog server which is a centralized repository to maintain the same.</p> <p>Also instead of using the storage for logs, same can be used to cache the contents so as to provide better user experience/performance.</p> <p><b>Request you to relax the specs with need for 4TB HDD to below specs</b> "Should have minimum 64 GB memory and upgradable to 256 GB of Memory "</p>	<p>U. xii* "Should have minimum 64 GB memory and upgradable to 256 GB of Memory" - Must Have</p>

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4	118	T (Link Load Balancer)	Additional point	<p>The proposed appliance should have its own Hypervisor based Virtualization feature (NOT any third party or open source network function virtualization) that virtualizes the device resources—including CPU, memory, network, management, configuration, operating system and acceleration resources. Each virtual instance should have option to allocate separate configuration, management, network and operating system.</p> <p>This will make sure there is tight integration of Hardware and Software while running the instance</p>	<p>Additional point with * mark T.2.xiii * "The proposed appliance should have its own Hypervisor based Virtualization feature (NOT any third party or open source network function virtualization) that virtualizes the device resources—including CPU, memory, network, management, configuration, operating system and acceleration resources." - Must Have</p>
5	118	T (Link Load Balancer)	Additional point	<p>The proposed appliance should have capability to run in standalone as well as virtualized mode.</p> <p>This will give flexibility of deployment as per requirement REBIT</p>	<p>T.2.xiv - "The proposed appliance should have capability to run in standalone as well as virtualized mode." - Nice To Have</p>
6	118	T (Link Load Balancer)	Additional point	<p>The proposed appliance should support ability to customise the traffic based on Scripting (Which can give additional capability on the fly without any change in code)</p> <p>This feature will enable solution to be robust to accept custom application demand and working of solution. E.g. If we want common persistency between two different VIPs, this is only possible via such scripting</p>	<p>No change in specifications. Bidder can propose Additional features in the solution during presentation.</p>

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7	118	T (Link Load Balancer)	Additional point	<p>The proposed appliance should support No NAT of Link Load Balancer which will allow VPN/ or VC traffic to flow as it is...</p> <p>This is important use case for any Link load Balancer to allow Public IP onto server in specific use cases like VPN, Video Conference etc...</p>	<p>Additional point with * mark T. 1.xx* - "The proposed appliance should support No NAT of Link Load Balancer which will allow VPN/ or VC traffic to flow as it is." - Must Have</p>
8	121	U Server/Application Load Balancer	Additional point	<p>The proposed appliance should have its own Hypervisor based Virtualization feature (NOT any third party or open source network function virtualization) that virtualizes the device resources—including CPU, memory, network, management, configuration, operating system and acceleration resources. Each virtual instance should have option to allocate separate configuration, management, network and operating system.</p> <p>This will make sure there is tight integration of Hardware and Software while running the instance</p>	<p>Additional point with * mark U.2.ix * -"The proposed appliance should have its own Hypervisor based Virtualization feature (NOT any third party or open source network function virtualization) that virtualizes the device resources—including CPU, memory, network, management, configuration, operating system and acceleration resources." - Must Have</p>
9	121	U Server/Application Load Balancer	Additional point	<p>The proposed appliance should have capability to run in standalone as well as virtualized mode.</p> <p>This will give flexibility of deployment as per requirement REBIT</p>	<p>U.2.x - "The proposed appliance should have capability to run in standalone as well as virtualized mode." - Nice To Have</p>

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11	Page 7/164	Corrigendum # 1	1. CPU - Minimum Two x 24 core with latest series Processor	<p>I hope u have check your application compatibility with AMD processor ( Request you to take confirmation from your application team regarding use of AMD processor). Accordingly bidders will quote latest AMD processor</p> <p>if not request you to mention Latest Intel series processor.</p>	1. CPU - Minimum Two x 24 core with latest Intel series Processor
12	Page 5/164	Corrigendum # 1	<p>1*. HCI storage should have ALL SSD Flash drive.</p> <p>Must Have ( * mark is added for the specification - mandatory)</p>	2) Kindly clarify whether the ask is changed from HCI appliance to any ready node architecture or still they need appliance	Bidder may propose architecture suitable to the HCI requirements with all SSD drives for HCI storage .

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13	Page 6/164	Corrigendum # 1	The specification is changed as below: The proposed HCI must natively support File Services (NFS, CIFS & SMB) and file replication across HCI clusters and data centres.	kindly check with this change in corrigendum, can we leverage add-on software in HCI to fulfil the said functionality ?	The proposed HCI must support File Services (NFS, CIFS & SMB) and file replication across HCI clusters and data centres. If the HCI OEM Solution provider don't have the native file services with NFS, CIFS & SMB protocol support , then Bidder has to provide external compatible enterprise class file services within the over all solution without additional cost to ReBIT.
14	25	9.3	Bid Security / EMD	Further to your floated Tender No: ReBIT/2021/CPO/037 (Setup and Implementation of ReBIT Private Cloud Sandbox Environment (RSB). We have gone through the complete tender document terms and conditions.  We would like to seek your confirmation for the exemption for EMD for MSME Bidders registered with National Small scale industries corporation ( NSIC ) / appropriate authority.  Kindly find the attached certificate of MSME & NSIC for your kind ref.	As per the RFP and extant guidelines issued by GoI, the bidder shall be a Micro or small enterprise or a Start-up to avail the benefit of EMD waiver. Bidder shall submit supporting documents issued by competent Govt. bodies to become eligible for the above exemption.

S.No	Query Reference (Page)	Query Reference (Clause)	Existing clause of the RFP	Query by the Vendor	ReBIT's Response
15	98	Annexure J 3.iv.	The line card proposed in the Switch should have minimum 0.7MB packet buffer per port	Bidder request to amend this clause to Proposed switch support 32MB of shared buffer. It is not divided equally between ports. Design of switches is such that 32MB is shared on all ports. For proposed switch, low latency is more important than high buffer. Mathematically it comes to 0.666 MB per port.	Specification modified as below, J.3.iv "The line card proposed in the Switch should have minimum 0.666 MB packet buffer per port " - Must Have
16	99	Annexure J 3.iv.	a. PIM-SM (RFC 4601)	Proposed switch supports PIM SM (RFC 2362). Kindly modify Clause to reflect the same.	Q.6.iv. a. PIM-SM (RFC 7761)
17	102	R.3.iii.	The switch proposed should have minimum 40 MB Packet Buffer	Proposed switch support 32MB of shared buffer. It is not divided equally between ports. Kindly remove this clause or modify to accommodate.	Specification modified as below, R.3.iii. "The switch proposed should have minimum 32 MB Packet Buffer " - Must Have
18	108	R.8.iv.	Switch platform should support MAC Sec (802.1AE) in hardware	MAC Sec is not a mandatory feature for enterprise DC. Kindly make it "good to have" instead of "Must have" since both leaf and. Spine need to have this feature and proposed Spine switch does not have this feature.	Kindly refer corrigendum#1 Page no. 8 out of 164.
19	32	12	ReBIT shall endeavour to make all payments for the products / services delivered to it, based on completed milestones as per the RFP within a period of 45 days from the date of acceptance of invoice by ReBIT.	All subsidiaries of RBI including RBI themselves have payment term of 30 days from date of invoice. We request ReBIT to extend the same payment terms.	No change in this requirement.
20	S,2.ii*.	107	The appliance should support dedicated minimum Interface 8*1G ,8*10G SFP & 4*40G QSFP	Requesting REBIT to reduce no. of 40GE port required to 2x40GE QSFP	No Change in specification

S.No	Query Reference (Page)	Query Reference (Clause)	Existing clause of the RFP	Query by the Vendor	ReBIT's Response
21	S,2.xi.*.	107	<p>NGFW must support at least minimum 5 Gbps of TCP performance considering below features &amp; functionality enabled.</p> <ol style="list-style-type: none"> <li>1) NGIPS</li> <li>2) Anti-Malware + Anti-Bot</li> <li>3) Application visibility and control.</li> <li>4) URL Filtering</li> <li>5) SSL inspection with industry standard ciphers used.</li> </ol> <p>Must Have Bidder should furnish the publicly published document for the above clause. In case such publicly published document is not available, bidder should submit letter from their OEM in this regards. Letter of OEM should be signed by their authorised person legally binding them towards adherence for the requirement.</p>	<p>All bidders will quote minimum 5Gb throughput mentioned in RFP.</p> <p>How Rebit will ensure that interface density asked &amp; throughput will suffice each other. In released response throughput is 5Gb &amp; no provision has been made to ensure bidder should provide higher throughput as related to minimum interface density asked.</p> <p>Requesting Rebit to ensure both throughput &amp; Interface density match each other &amp; doesn't become bottleneck in scalability. Either reduce no. of interfaces or scale throughput requirement matching total amount of interface bandwidth asked.</p>	<p>"NGFW must support below minimum throughput performance with features &amp; functionality enabled,</p> <ol style="list-style-type: none"> <li>1) FW Throughput - Minimum 30 Gbps</li> <li>2) Threat Prevention (NGIPS, Application visibility/control and URL filtering, AntiMalware+Antibot, Antivirus) - Minimum 10 Gbps</li> <li>3) SSL/TLS inspection with industry standard ciphers used - Minimum 5 Gbps</li> </ol> <p>- Must Have</p> <p>Bidder should furnish the publicly published document for the above clause. In case such publicly published document is not available, bidder should submit letter from their OEM in this regards. Letter of OEM should be signed by their authorised person legally binding them towards adherence for the requirement."</p> <p>Above performance requirement is minimum. Bidder has to propose appropriate solution to cater above requirements and minimum interfaces speed &amp; performance requirement.</p>



S.No	Query Reference (Page)	Query Reference (Clause)	Existing clause of the RFP	Query by the Vendor	ReBIT's Response
22	S,5.ii. *	109	Requesting ReBIT to implement IPv6 ready solution & hence should also revise spec & add support for NAT64, NAT46 & NAT66	Requesting Rebit to make it Must to have	No Change in specification
23	S.11.i.*	115	Solution should detect and block new, unknown malware and targeted attacks found in email attachments, downloaded files, and URLs to files within emails	In response, only Email attachment size is provided. Requesting Rebit to provide Web download limit as well.	Web download limit can be consider 50 MB
24	xxiii		Management framework and monitoring solution should monitor compliance status of the firewall devices in the real time. It is expected, the network solution to provide real-time and continuous assessment of configuration for major regulations.	Requesting Rebit to make it Must to have	No Change in specification
25	41	Table 3 (6)	For each additional drop of 1% in availability below 99.9%, Penalty of 3% of Operate & Transfer phase will be calculated as additional Performance measure	Bidder request to correct the error in SLA for Availability of RSB Platform during operate and transfer phase. 1. additional penalty should be applicable for drop below 97%. 2. Also, the formula in the SLA table needs to be corrected	Please refer Corrigendum # 3

S.No	Query Reference (Page)	Query Reference (Clause)	Existing clause of the RFP	Query by the Vendor	ReBIT's Response
26	41 Corrigendum Page 2 and 3	Corrigendum	<p>SLA formula given in corrigendum</p> <p>&lt;99.9 % &amp; &gt;=99.5% - 1% &lt;99.5% &amp; &gt;=99.5% - 2% &lt;98% &amp; &gt;=97% - 3%</p> <p>"For each additional drop of 1% in availability below 97%, penalty of 3% of quarterly billing of Operate &amp; Transfer phase will be calculated as additional Performance measure."</p>	<p>SLA formula given in corrigendum is incorrect, it shall be changed as.</p> <p>&lt;99.9 % &amp; &gt;=99.5% - 1% &lt;99.5% &amp; &gt;=98% - 2% &lt;98% &amp; &gt;=97% - 3%</p>	Please refer Corrigendum # 3
27	32	12	<p>ReBIT shall endeavour to make all payments for the products / services delivered to it, based on completed milestones as per the RFP within a period of 45 days from the date of acceptance of invoice by ReBIT.</p>	<p>Cl. 13 of the Master Services Agreement provided under the MEITY Model RFP provides as below: Payment shall be made within &lt;30 working days&gt; of the receipt of invoice along with supporting documents by the Purchaser subject to deduction of applicable liquidated damages (till "Go Live") or SLA penalties (post "Go Live") .</p>	No change in this requirement.

S.No	Query Reference (Page)	Query Reference (Clause)	Existing clause of the RFP	Query by the Vendor	ReBIT's Response
28	34	15	<p>Cancellation/Termination ReBIT reserve the right to terminate the contract in case of any the following (but not limiting to) by giving 30 days' prior written notice:</p> <ul style="list-style-type: none"> <li>· Deficiency in the Product / Solution / Service in terms of, performance, uptime (basis the SLA reports), reporting, enhancements (updates and Upgrades are not received as per the frequency defined in Technical Specification sheet, escalations are required to be done frequently, etc.</li> <li>· ReBIT reserves the right to terminate the contract if there is delay beyond 4 weeks.</li> <li>· Implementing / impacting changes to the solution without necessary approvals from ReBIT.</li> <li>· Breach of terms &amp; conditions in NDA, leakage of ReBIT's Intellectual Property due to misconfiguration, wrong configuration, no-action or limited action on available threat Intelligence or threat advisories.</li> <li>· Deletion, modification, tampering of ReBIT's logs.</li> <li>· Non-adhering to regulatory compliance for ReBIT data.</li> <li>· Leakage of any confidential information.</li> <li>· Not being transparent or hiding the truth or misrepresenting facts on issues relating to management and operation, security incidents to ReBIT.</li> <li>· In case of the bidder going insolvent, getting blacklisted, involvement in fraud, etc.</li> </ul>	<p>Bidder requests Rebit to provide cure period prior to termination should be provided so as to give us an opportunity to remedy the breach or default.</p> <p>ReBIT reserve the right to terminate the contract in case of any the following (but not limiting to) by giving <b>30 days' prior written notice</b>:</p> <ul style="list-style-type: none"> <li>· Deficiency in the Product / Solution / Service in terms of, performance, uptime (basis the SLA reports), reporting, enhancements (updates and Upgrades are not received as per the frequency defined in Technical Specification sheet, escalations are required to be done frequently, etc.</li> <li>· ReBIT reserves the right to terminate the contract if there is delay beyond 4 weeks.</li> <li>· Implementing / impacting changes to the solution without necessary approvals from ReBIT.</li> <li>· Breach of terms &amp; conditions in NDA, leakage of ReBIT's Intellectual Property due to misconfiguration, wrong configuration, no-action or limited action on available threat Intelligence or threat advisories.</li> <li>· Deletion, modification, tampering of ReBIT's logs.</li> <li>· Non-adhering to regulatory compliance for ReBIT data.</li> <li>· Leakage of any confidential information.</li> </ul>	<p>Please refer Sr.No 15.viii. In page 35 for the clause regarding 30 days prior notice.</p> <p>Cure period may be discussed with successful bidder at the time of entering into a contract.</p>

S.No	Query Reference (Page)	Query Reference (Clause)	Existing clause of the RFP	Query by the Vendor	ReBIT's Response
				<ul style="list-style-type: none"> <li>· Not being transparent or hiding the truth or misrepresenting facts on issues relating to management and operation, security incidents to ReBIT.</li> <li>· In case of the bidder going insolvent, getting blacklisted, involvement in fraud, etc.</li> </ul>	

S.No	Query Reference (Page)	Query Reference (Clause)	Existing clause of the RFP	Query by the Vendor	ReBIT's Response
29	48	21	<p>Limitation of liability will not be applicable to any legal injuries suffered by ReBIT due to the bidder in following scenarios:</p> <ul style="list-style-type: none"> <li>(a) fraud, wilful misconduct or gross negligence;</li> <li>(b) breach of intellectual property with respect to third party claims; and</li> <li>(c) breach of confidentiality, cybersecurity breach or data losses</li> </ul>	<p>Bidder submits that Cybersecurity breach, etc. shall be covered under the limitation of liability clause hence request to remove (c) in the clause:</p> <p>Limitation of liability will not be applicable to any legal injuries suffered by ReBIT due to the bidder in following scenarios:</p> <ul style="list-style-type: none"> <li>(a) fraud, wilful misconduct or gross negligence;</li> <li>(b) breach of intellectual property with respect to third party claims.</li> <li><del>(c) breach of confidentiality, cybersecurity breach or data losses</del></li> </ul>	<p>No change in this clause. Limitation of liability shall not be applicable for breach of confidentiality, cybersecurity breach or data losses.</p>

S.No	Query Reference (Page)	Query Reference (Clause)	Existing clause of the RFP	Query by the Vendor	ReBIT's Response
30	48	22	<p>Bidder shall indemnify, protect and save ReBIT and hold ReBIT harmless from and against all claims, losses, costs, damages, expenses, action suits and other proceedings, (including reasonable attorney fees), relating to or resulting directly or indirectly from -</p> <p>a. an act or omission of the Bidder, its employees, its agents, or employees of the consortium in the performance of the services provided by the Bidder,  b. breach of any of the terms of this RFP or breach of any representation or warranty by the Bidder  c. Use of the deliverables and or services provided by the Bidder,  d. Infringement of any patent trademarks copyrights etc. or such other statutory infringements in respect of all components provided to fulfil the scope of this project. Bidder shall further indemnify ReBIT against any loss or damage to ReBIT's premises or property, ReBIT's data, direct financial loss, loss of life, etc., due to the acts of the Bidder's employees or representatives. The Bidder shall further indemnify ReBIT against any loss or damage arising out of loss of data, claims of infringement of third- party copyright, patents, or other intellectual property, and third-party claims on ReBIT for malfunctioning of the equipment or software or deliverables at all points of time, provided however,</p>	<p>Bidder requests for following changes in the clause as Indemnity needs to be limited to claims by third party in the given instances as for all party-party claims, there are other remedies available, including termination.</p> <p>Bidder shall indemnify, protect and save ReBIT and hold ReBIT harmless from and against all third party claims, losses, costs, damages, expenses, action suits and other proceedings, (including reasonable attorney fees), relating to or resulting directly from -</p> <p>a. claims for loss or damage of tangible property,  b. claim by any person in respect of death or bodily injury;  <del>c. Use of the deliverables and or services provided by the Bidder,</del>  c. Infringement of any patent trademarks copyrights etc. or such other statutory infringements in respect of all components provided to fulfil the scope of this project <del>Bidder shall further indemnify ReBIT against any loss or damage to ReBIT's premises or property, ReBIT's data, direct financial loss, loss of life, etc., due to the acts of the Bidder's employees or representatives. The Bidder shall further indemnify ReBIT against any loss or damage arising out of loss of data, claims of infringement of third-party copyright, patents, or other</del> intellectual property, and third party</p>	<p>Please refer Corrigendum # 3</p>

S.No	Query Reference (Page)	Query Reference (Clause)	Existing clause of the RFP	Query by the Vendor	ReBIT's Response
			<p>i. ReBIT notifies the Bidder in writing in a reasonable time frame on being aware of such claim,            ii. The Bidder has sole control of defence and all related settlement negotiations,            iii. ReBIT provides the Bidder with the assistance, information and authority as it deems fit to perform the above.</p>	<p><del>claims on ReBIT for malfunctioning of the equipment or software or deliverables at all points of time</del> provided however,            i. ReBIT notifies the Bidder in writing in a reasonable time frame on being aware of such claim,            ii. The Bidder has sole control of defence and all related settlement negotiations,            iii. ReBIT provides the Bidder with the assistance, information and authority as it deems fit to perform the above.</p>	

S.No	Query Reference (Page)	Query Reference (Clause)	Existing clause of the RFP	Query by the Vendor	ReBIT's Response
31	50	26	The Bidder shall agree to hold the ReBIT, its successors, assigns and administrators fully indemnified, and harmless against loss or liability, claims, actions or proceedings, if any, that may arise from whatsoever nature caused to the ReBIT through the action of Bidder's employees.	Same as above.	No change in this clause.
32	50	29	Non-Solicitation	Cl. 24 of the Master Services Agreement under the MEITY Model RFP provides as below: Neither Party will solicit for employment or knowingly hire an employee of the other Party with whom such Party has contact pursuant to project engagements under this Agreement. This restriction shall not apply to employees of either Party responding to advertisements in job fairs or news media circulated to the general public.	No change in this clause.



S.No	Query Reference (Page)	Query Reference (Clause)	Existing clause of the RFP	Query by the Vendor	ReBIT's Response
33			Additional point	<p>It will ensure Rebit gets best in breed security solution. Requesting Rebit to add it as a mandatory point in Security Solution</p> <p>In 2019-2020 certain firewall vendors has been repeatedly comprised by the hackers due the vulnerabilities in their FW OS. Requesting Rebit to consider this point seriously &amp; should not allow such vendors.</p> <p>Requesting Rebit to consider OEM with either no vulnerabilities in the product OS or OEM which have not been compromised by external hackers in last 2 years.</p> <p>Requesting Rebit to consider this point as additional clause.</p>	No Change in specification
34			Additional point	<p>Zero trust security model for untrusted files coming from Email &amp; Web. Requesting Rebit to add this point to avoid or control untrusted macros &amp; scripts in network which can become malware entry point &amp; lead to security breach.</p> <p>Solution must enforce zero-trust security model for the files coming from untrusted sources such as external email &amp; Web download. It should santize all active/hidden components like macros, Scripts etc. from office documents &amp; deliver passive non-executable copy to</p>	No Change in specification

S.No	Query Reference (Page)	Query Reference (Clause)	Existing clause of the RFP	Query by the Vendor	ReBIT's Response
				the end-user to restraint use of scripts, macros & prevent self-explodeable documents in network.	
35			Request for extension of bid submission timeline	Apart from these queries, we would also request Rebit Team to take cognizance of the current wave of pandemic situation where many people are affected and restriction to go to office. Hence request to please help with extension of 2 weeks from the current date of submission.	Please refer Corrigendum # 2
36	97	Q. Leaf (10/25G Fibre) Switch Specification > 1. Solution Requirement > iii	The proposed switches should be part of Gartner Leader Quadrant for DC Networking for last 3 years	Please modify this clause to "The proposed switches should be part of Gartner Leader Quadrant for DC Networking/Wired and Wireless LAN access for last 3 years or IDC Worldwide Top 5 companies as per their revenue market share Report in switch" or Nice to have	No Change in specification

S.No	Query Reference (Page)	Query Reference (Clause)	Existing clause of the RFP	Query by the Vendor	ReBIT's Response
37	101	R. Spine Switch > 1. General Requirement > iii	The proposed switches should be part of Gartner Leader Quadrant for DC Networking for last 3 years	Please modify this clause to "The proposed switches should be part of Gartner Leader Quadrant for DC Networking/Wired and Wireless LAN access for last 3 years or IDC Worldwide Top 5 companies as per their revenue market share Report in switch" or Nice to have IDC is also the standard rating recognize by network industry	No Change in specification
38		Hardware and Interface Requirements - xiii. *	Firewall provided by bidder should not exceed beyond 75% of CPU and Memory utilization as per quoted device capacity and specification for more than 10 working days during peak hours(9AM-7:00PM), with all the features enabled and running. In case of increase in resource utilization OEM/bidder should upgrade the device without additional cost to ReBIT. This needs to be consider for the complete tenure.	As discussed in pre-bid meeting no OEM can commit (Genuinely) on firewall resource utilization as it depends on multiple dynamic network setup requirements and architecture. We recommend instead of resource utilisation ReBIT should ask assurance of 5 Gbps throughput delivery with all features enabled as mentioned in RFP compliance point - xi, under Hardware and Interface Requirements section.	S.2.xiii* - "Firewall provided by bidder should not exceed beyond 75% of CPU and Memory utilization as per quoted device capacity and specification for more than 10 working days during peak hours(9AM-7:00PM), with all the features enabled and running. In case of increase in resource utilization OEM/bidder should upgrade the device without additional cost to ReBIT. This needs to be consider for first two years of tenure." - Must Have

S.No	Query Reference (Page)	Query Reference (Clause)	Existing clause of the RFP	Query by the Vendor	ReBIT's Response
39	173	Corrigendum 1 and 2 R2P BQ: Administration, Management, & Logging / Reporting Functionality - Point No. xiv.*	The management platform must be a dedicated OEM appliance. VM running on server will not be accepted	Can SI offer a server with required license hypervisor installed on it along with firewall OEM's management, logging & reporting tool?	Yes. Hardware and software provisioned and support should be managed by SI only in any case.
40		Sandboxing - vi. *	Proposed solution must provide onprem sandboxing supporting minimum 6xWin-10 OS concurrent VM sandboxing licenses and Mitre ATT&CK based reporting to provide malware techniques and it should be scalable without adding additional hardware. OR Proposed OEM Sandbox must be able to scan minimum 10000 files using pre-filters and minimum 200 Zero day files over VM sandboxing environment per day	Here no expectation from no. of VMs scalability perspective is mentioned. So requesting ReBIT team to share at least how many VMs they are expecting from future scalability perspective. It could be high level also. Also allow OEMs to achieve scalability by adding additional hardware.	Proposed solution must provide onprem sandboxing supporting minimum 6xWin-10 OS concurrent VM sandboxing licenses and Mitre ATT&CK based reporting to provide malware techniques and it should be scalable to 12 VMs without adding additional hardware. OR Proposed OEM Sandbox must be able to scan minimum 10000 files using pre-filters and minimum 200 Zero day files over VM sandboxing environment per day
41		Sandboxing	Additional point	Sandboxing is a critical component to detect & prevent zero-day malware / ransomware to keep ReBIT environment secured. In RFP HA of sandboxing appliance is not asked so we suggest to	Additional Point "Appliance should support redundant power supply" - Must Have

S.No	Query Reference (Page)	Query Reference (Clause)	Existing clause of the RFP	Query by the Vendor	ReBIT's Response
				ask for at least additional redundant power supply on appliance.	
42	60	Annexure F - Eligibility Criteria	<p>Bidder must have completed 2 projects in Private Cloud Implementation of size</p> <p>a) 300 core or more for both projects or</p> <p>b) collective size being 300 core or more with at least 1 project being 200 cores or more.</p> <p>with specifications as per Table 1 of the RFP based on proposed solution of HCI (Hyper-Converged Infrastructure) in atleast 2 organisation out of which atleast 1 organisations shall be within BFSI sector in India /Central or State Govt. in the past 5 years in India and should be live as on 31-12-2020. Should provide the required documentary evidences / proof in the form of purchase order and go-live certificate(s) from the client(s).</p>	<p>Kindly Consider the " Bidder must have completed 2 projects in Private Cloud / HCI Implementation of size</p> <p>a) 300 core or more for both projects or</p> <p>b) collective size being 300 core or more with at least 1 project being 200 cores or more.</p> <p>with specifications as per Table 1 of the RFP based on proposed solution of HCI (Hyper-Converged Infrastructure) in atleast 2 organisation out of which atleast 1 organisations shall be within BFSI sector in India /Central or State Govt. in the past 5 years in India and should be live as on 31-12-2020. Should provide the required documentary evidences / proof in the form of purchase order and go-live certificate(s) from the client(s).</p>	The prior experience shall be in Private cloud only with primarily servers, HCI & Orchestration layer. Hence no change in clause.
43	22	Project/Payment Milestone	<p>50 % of Hardware and Software Cost of respective year. (Table A and B of Annexure L - Price Bid Format) - After Delivery and acceptance.</p> <p>50 % of Hardware and Software Cost of respective year. (Table A and B of Annexure L - Price Bid Format) - On Go-live</p>	Kindly consider 70% payment against Delivery, 20% against installation and 10% after submission of PBG and Specify the Bandwidth payment terms	No change in this payment term.

S.No	Query Reference (Page)	Query Reference (Clause)	Existing clause of the RFP	Query by the Vendor	ReBIT's Response
44	22	Project/Delivery Milestone	Delivery of all necessary Software and hardware for the project with in 6 to 8 weeks	Kindly consider delivery timeline of 10 weeks	No change in this clause
45	130	Price Bid Format	Hardware and Software Warranty 2 years and AMC 3 years	Kindly Change Warranty to 3 years and AMC 2 Years as all the OEM bundle the warranty to 3 Years and then year On Year Support	Please refer Page 10, Table 1 for warranty requirement. 5 year Warranty is to be bundled with hardware to be supplied in Year 1 and Year 2.
46	38	SLA Penalty	RSB Management Web portal request response time during operate and transfer phase 1. < 99.9% & >= 99% - 0.5% 2. < 99% & >= 98% - 1% 3. < 98% & >= 97% - 2%	Kindly Change the Penalty as follows 1. < 99.9% & >= 99% - 0.1% 2. < 99% & >= 98% - 0.2% 3. < 98% & >= 97% - 0.3%	No change in this penalty clause with respect to this query.
47	79	Annexure J: Technical Specifications - G: Storage : Point v	HCI storage should have the ability to change storage policies applied on VMs on the fly without having to restart workloads.	Ideally storage policies should be automated and not manual. Assume for an instance if Dedup and compression are turned on and running. Once this is done if the cluster capacity is close to full and an Engineer tries to turn off Dedup and compression, this can lead to a loss of data or a cluster overload from a storage perspective. It is recommended to have dedup and compression defined at a global level and leaving the policy to be automatically defined by the system. this will also give the system to automatically loadbalance capacity and performance when an engineer is not available. this will help prevent outages during off hours. Request change to : The solution shall provide the capability to automatically define & change storage policies on a VM.	Refer Corrigendum 1 . Page No. 5 of 164

S.No	Query Reference (Page)	Query Reference (Clause)	Existing clause of the RFP	Query by the Vendor	ReBIT's Response
48	87	Annexure J: Technical Specifications - L: other : Point v	File Services: The proposed HCI must natively support File Services (NFS, CIFS & SMB) and file replication across HCI clusters and data centres.	Solution should support or deliver required file service functionality which can delivered by using 3rd party tool also and tool is tightly integrated with HCI. Also specify the capacity required for file services on day 1 Request change to : "File Services: The proposed solution must support File Services (NFS, CIFS & SMB) and file replication across HCI clusters and data centres"	Please Refer response provided at Sr. No. 13
49	87	Annexure J: Technical Specifications - L: other : Point vii	Scalability: HCI solution should support dynamic scalability without Zero downtime and automated resource allocation during upgrades. The upgrade should be granular and in 1 node increments. The solution must support adding storage only nodes if needed without resulting in additional SW license cost either for DBs or hypervisor.	Adding a storage only node in the cluster adds an imbalance in the cluster. For example if the Storage only node (with far higher capacity than the other nodes )were to fail, the cluster would have no free capacity to sustain the failure. This defeats the purpose of the HCI solution. Please change to "HCI solution should support dynamic scalability with Zero downtime and automated resource allocation during upgrades in same cluster. The upgrade should be granular and in 1 node increments. " The policy and structure for DB licensing is designed by the DB OEM and NO hardware/HCI OEM has any control over this. Please do modify the clause to remove the DB & hypervisor license clause	Scalability: HCI solution should support dynamic scalability without any downtime and automated resource allocation during upgrades. The upgrade should be granular and in 1 node increments. The solution must support adding storage only nodes.

S.No	Query Reference (Page)	Query Reference (Clause)	Existing clause of the RFP	Query by the Vendor	ReBIT's Response
50	108	4 vi	Firewall Appliances should deploy for Active – Active or Active- Passive failover architecture for both Firewall & VPN functions as and when required.	Considering many functionalities would be enabled on this FW we feel that this is going to increase the load on the FW on a longer run. Requesting to please off-load the VPN functionality onto a separate device (physical/ virtual) to avoid any performance issues	Bidder can propose suitable solution considering performance and management. Separate Physical appliance is recommended for VPN in this scenario.
51	62	Annexure F: Minimum Eligibility Criteria	Eligibility criteria mentioned at SI No 2 to 4 in table above are relaxed for Startups subject to their meeting of quality and technical specifications. Bidder to note the following:	Please modify the clause as below regarding relaxation on Turnover & Experience for Startups subject to their meeting of quality and technical specifications:  Eligibility criteria mentioned at “SI No 2 to 4 and 6” in table above are relaxed for Startups subject to their meeting of quality and technical specifications. Bidder to note the following:	Please refer response to S.No 16 in page 16 of 164 of the Corrigendum # 1 and Response to pre-bid queries document.
52	95	4 , iv	Fabric must support Micro Segmentation for the Virtualize and Non - Virtualize environment	Request Removal.  This is specific to Cisco ACI. Also request you to kindly elaborate the ask in Microsegmentation, as it is a very open ended statement, which has many possibilities of interpretation. Arista and every other OEM will be able to deliver the RFP Outcomes, without this feature too.	In our private cloud requirement micro-segmentation is required in order to restrict E-W/ N-S communication between different segments and even if it's part of the same segment. It is required to be supported for any type of workloads (Phy, VM, container , appliances etc.)



S.No	Query Reference (Page)	Query Reference (Clause)	Existing clause of the RFP	Query by the Vendor	ReBIT's Response
53	98	3, ii	Switch should support minimum 1000 VRF instances with route leaking functionality	<p>Request Modification. Please amend to 128 VRF.</p> <p>1000 VRF quoted is too high, theoretical and not actually required in real-life situations. Arista is present in some of the most complex DataCenters like Google Cloud, Microsoft Azure, Facebook, LinkedIn, Netflix, etc. With our architecture, we have been able to deliver the functionality of cloud / security / confidentiality with a much lesser VRF. It is a design function. Arista (or any technically superior OEM) will be able to deliver rebit Requirement in less than 10 VRF.</p> <p>Request you to kindly consider so that we can participate in the RFP</p>	Please Refere Corrigendum#1 page no 7 out of 164
54	99	6,ii	Switch should support MPLS segment routing and VRF route leaking functionality from day 1	<p>Request Removal .</p> <p>MPLS and Segment Routing are features not applicable/ required in a Datacenter environment. Arista does not have a product to meet with this criteria aligned with other must-have parameters mentioned.</p>	Clause modified as , Q.6.ii "Switch should support VRF functionality from day 1"

S.No	Query Reference (Page)	Query Reference (Clause)	Existing clause of the RFP	Query by the Vendor	ReBIT's Response
55	102	3,i	Switch should support minimum 1000 VRF instances with route leaking functionality	<p>Request Modification.</p> <p>1000 VRF quoted is too high, theoretical and not actually required in real-life situations. Arista is present in some of the most complex DataCenters like Google Cloud, Microsoft Azure, Facebook, LinkedIn, Netflix, etc. With our architecture, we have been able to deliver the functionality of cloud / security / confidentiality with a much lesser VRF. It is a design function. Arista (or any technically superior OEM) will be able to deliver rebit Requirement in less than 10 VRF.</p> <p>Request you to kindly consider so that we can participate in the RFP.</p>	Please Refere response Sr. No. 53
56	102	3,iii	The switch proposed should have minimum 40 MB Packet Buffer	<p>Request Modification.</p> <p>Please amend to 32 Mb. 40Mb buffer favours a particular OEM Only. Arista has a robust architecture, and a stable Operating System. We run around 65,000 automated tests before a single piece of code/fix/patch/upgrade is released. And this process is done everytime. Thus 32Mb is sufficient for the switches to deliver the RFP requirement, today and for the next 7 years</p>	Please Refere response Sr. No. 17

S.No	Query Reference (Page)	Query Reference (Clause)	Existing clause of the RFP	Query by the Vendor	ReBIT's Response
57	105	9,iii	<p>Streams ASIC statistics at rapid cadence based on user config without involving switch CPU:</p> <ul style="list-style-type: none"> <li>&gt;Interface counters (packets/bytes/drops)</li> <li>&gt;Ingress/Egress queue depth</li> <li>&gt;Ingress/Egress queue drops</li> <li>&gt;Egress queue microbursts</li> <li>&gt;Buffer depth</li> </ul>	<p>Please add 'or Equivalent'.</p> <p>Arista will be able to meet the Outcome requested but our method is different. The Specification is very specific to a particular OEM.</p>	<p>This is our requirement. However, this is not a knock out point. No change in specification.</p>
58	Corrigendum 1. Pg 22	Corrigendum 1. S.NO 37	<p>ReBIT's Response: KMS is not in the scope of this RFP. As per the RFP, the solution shall support integration with KMS solution in future.</p>	<p>If KMS is not the part of the scope - - where will be the encryption keys being stored and managed?</p> <p>Is your encrypted data and keys used being managed and owned by the same custodian</p> <p>How are we achieving separation of duties in encryption process implemented in applications</p> <p>Does Rebit cyber security policy enforces decoupling the encryption keys from the encrypted data?</p>	<p>As of now KMS is not in the scope. Also, database &amp; application level encryption is not required at this juncture. However native HCI software encryption is good to have.</p>

S.No	Query Reference (Page)	Query Reference (Clause)	Existing clause of the RFP	Query by the Vendor	ReBIT's Response
59	Corrigendum 1. Pg 23	Corrigendum 1. S.NO 38	ReBIT's Response: Bidder should provide inbuilt solution for data encryption. The requirement is changed from "Must to Have" to "Nice to Have". Please refer Corrigendum # 1.	How are the encryption keys and policies managed for data in motion and data at rest encryption?  Does the customer data needs to be encrypted with encryption keys to be managed separately  What is the rotation schedule of these keys and how are they managed and audited?	Please refer response sr. no. 58
60	Corrigendum 1. Pg 7	Corrigendum 1. S.NO 92	The proposed HCI backup feature should support restore a single VM, single file from a VM, a VM virtual disk restore from the same management console for ease of use from day-1. Must have	Does the data back up needs to be kept encrypted and has to be decrypted when giving to the ReBIT or any application in use	Data backup not needed to be encrypted. It is nice to have for encryption feature of data backup in the Solution.
61	8	Corrigendum 1, Sr. No. 64	Please refer response to S.No 56. "Q.8.iv- Changed from "Must Have" to "Nice To Have" Specification added under spine switch as, R.8.viii. "Switch platform should support MAC Sec (802.1AE) in hardware " - Nice To Have. Please refer Corrigendum # 1."	MAC Sec is not a mandatory feature for enterprise DC. Proposed Spine switch does not have this feature. Kindly remove this clause	Please Refere Response Sr. No. 18
62	25	Corrigendum 1 and 2 R2P BQ: Hardware and Interface Requirements - xiii. *	Firewall provided by bidder should not exceed beyond 75% of CPU and Memory utilization as per quoted device capacity and specification for more than 10 working days during peak hours(9AM-7:00PM), with all the features enabled and running. In case of increase in resource utilization OEM/bidder should upgrade the device without additional cost to ReBIT. This	As discussed in pre-bid meeting no OEM can commit (Genuinely) on firewall resource utilization as it depends on multiple dynamic network setup requirements and architecture. We recommend instead of resource utilisation ReBIT should ask assurance of 5 Gbps throughput delivery with all features enabled as mentioned in RFP	Please Refere Response Sr. No. 38

S.No	Query Reference (Page)	Query Reference (Clause)	Existing clause of the RFP	Query by the Vendor	ReBIT's Response
			needs to be consider for the complete tenure.	compliance point - xi, under Hardware and Interface Requirements section.	
63	26	Corrigendum 1 and 2 R2P BQ: 46	As per the RFP, HCI solution shall support serverless capability. For instance, HCI solution shall be similar to that of serverless AWS Lambda service.	During the last prebid, serverless was explained as Kubernetes/docker platform. Please confirm.	Kubernetes platform is one the way to achieve the Serverless .Cloud Infrastructure should support various application use cases mentioned in RFP page no 29, evaluation criteria table Sr. No 5.
64	27	Corrigendum 1, Sr. No. 51	No change in specification. However, this is not a knock out point. This is design choice.	Please clarify , if this not complied then will there be any effect of points or selection criteria. Since you have not mentioned or added this in NICE to HAVE	Please Refere Response Sr. No. 15
65	28	Corrigendum 1, Sr. No. 59	Please refer response to S.No 51. " No change in specification. However, this is not a knock out point. This is design choice."	Please clarify , if this not complied then will there be any effect of points or selection criteria. Since you have not mentioned or added this in NICE to HAVE	Please Refere Response Sr. No. 17
66	28	Corrigendum 1, Sr. No. 54	Switch should support MPLS segment routing and VRF route leaking functionality from day 1 " No change in this specification. Such feature is required as per the RFP"	Please explain use case of MPLS segment routing in RFP; AS per best practices of DC cloud architecture MPLS Segment routing is not used anywhere	Please Refere Response Sr. No. 54

S.No	Query Reference (Page)	Query Reference (Clause)	Existing clause of the RFP	Query by the Vendor	ReBIT's Response
67	28	Corrigendum 1, Sr. No. 55	No change in specification. RFC 2362 is obsolete. Ref:- <a href="https://tools.ietf.org/html/rfc4601">https://tools.ietf.org/html/rfc4601</a>	RFC 4601 is obsolete, it is replaced by RFC 7761 Ref URL:- <a href="https://tools.ietf.org/html/rfc7761">https://tools.ietf.org/html/rfc7761</a> ; Pls change specs for RFC 7761	Please Refere Response Sr. No. 16
68	29	Corrigendum 1, Sr. No. 62	Please refer response to S.No 55. " No change in specification. RFC 2362 is obsolete. Ref:- <a href="https://tools.ietf.org/html/rfc4601">https://tools.ietf.org/html/rfc4601</a> "	RFC 4601 is obsolete, it is replaced by RFC 7761 Ref URL:- <a href="https://tools.ietf.org/html/rfc7761">https://tools.ietf.org/html/rfc7761</a> ; Pls change specs for RFC 7761	Please Refere Response Sr. No. 16
69	34	Corrigendum 1 and 2 R2P BQ: 80	In the event of a node failure, virtual machines should automatically run on available other node, without any downtime.	Is this required for all VMs from day-1?	In the event of a node failure, virtual machines should automatically run on available other node. The downtime during such node failure shall only be w.r.t. to time required for restart of vm. Yes. Require for all VMs from day-1.
70	100	Q.8.iv.	Switch platform should support MAC Sec (802.1AE) in hardware	Although we support MAC Sec on Leaf switch, additional license would be required; Pls confirm do we need to consider this from day 1?	Yes, you should consider this from day1.
71	116	RFP 11. Sandboxing - vi. *	Proposed solution must provide onprem sandboxing supporting minimum 6xWin-10 OS concurrent VM sandboxing licenses and Mitre ATT&CK based reporting to provide malware techniques and it should be scalable without adding additional hardware. OR Proposed OEM Sandbox must be able to scan minimum 10000 files using pre-filters and minimum 200 Zero day files over VM sandboxing environment per day	Here no expectation from no. of VMs scalability perspective is mentioned. So requesting ReBIT team to share at least how many VMs they are expecting from future scalability perspective. It could be high level also. Also allow OEMs to achieve scalability by adding additional hardware.	Please Refere Response Sr. No. 40

S.No	Query Reference (Page)	Query Reference (Clause)	Existing clause of the RFP	Query by the Vendor	ReBIT's Response
72	118	RFP015_RSB_Annexure D: S.Link Load Balancer	The proposed appliance should provide integrated functionalities of Link Load Balancer, DNS and L3-L4	For inbound Load Balancing Link Load Balancer should act as Authoritative DNS server, it should also support Full DNS bind records including A,MX, AAAA, CNAME, PTR, SOA etc. hence our request is changing this point to <b>"The proposed appliance should provide integrated functionalities of Link Load Balancer, DNS and L3-L4 and should support inbound and outbound load balancing with capable of handling complete Full DNS bind records including A,MX, AAAA, CNAME, PTR, SOA etc."</b>	No change in specifications. Bidder can propose Additional features in the solution during presentation.
73	NA	NA	NA	Need details of current architecture & Details of existing Switches available for uplink connectivity of our new proposed infra	Uplink connectivity can be considered 10/25Gb.
74	NA	NA	NA	Need existing network gateway device details, accordingly we will be able to define our architecture for proposed infra	This will be discussed with successful bidder.
75	NA	NA	NA	Details of current traffic flow & expectation from the new requirement	Architecture has to be built on the basis of requirement given in RFP.
76	New Point	RFP015_RSB_Annexure D: S.Link Load Balancer	New Point	Link load Balancer would be deployed at perimeter level above Firewall, it would be exposed to internet hence LLB should have security features from day one like. We request you to add one security point in the specification <b>"Appliance should have security features like Syn-flood and dos attack protection features from the day of installation."</b>	No change in specifications. Bidder can propose Additional features in the solution during presentation.

S.No	Query Reference (Page)	Query Reference (Clause)	Existing clause of the RFP	Query by the Vendor	ReBIT's Response
77		Sandboxing - Additional Point	Additional point	Sandboxing is a critical component to detect & prevent zero-day malware / ransomware to keep ReBIT environment secured. In RFP HA of sandboxing appliance is not asked so we suggest to ask for at least additional redundant power supply on appliance.	Please Refer Response Sr. No. 41
78	11	5.3 Hardware requirements	ReBIT may place PO as and when required (earlier or later than the timelines mentioned in table 1) for Hardware requirement mentioned in Table 1 for Year 2 to Year 5 for capacity enhancement. Bidder must provide such hardware necessary build and support without any additional cost. ReBIT reserves the right to procure the hardware during Year 2 to Year 5 as and when required, either through this RFP or separately	Bidder requests ReBIT to limit the price validity till 180 days for any repeat order. Kindly understand prices are always subject to many factors like dollar fluctuation, market situation and commitment of 5 years for the same product is not correct. None of the OEM is going to commit the same.	As per the RFP, initially the order may be placed for Year 1 requirement with the Successful bidder. The order for subsequent years may be placed as per the requirement. Hence, no change in this clause.
79	21	5.8	Need based on-site support	Bidder requests ReBIT to further elaborate on support post Transfer Phase	Please refer response to S.No 277 in page 79 of 164 of the Corrigendum # 1 and Response to pre-bid queries document.



S.No	Query Reference (Page)	Query Reference (Clause)	Existing clause of the RFP	Query by the Vendor	ReBIT's Response
80	34	15 i.v.	ReBIT reserves the right to recover any dues payable to the selected Bidder from any amount outstanding to the credit of the selected Bidder, including the pending bills and/or invoking Bank Guarantee, if any, under the contract or any other contract/order	Bidder requests ReBIT that the set off should be limited to the particular transaction/contract so as not to affect the revenue under any other contract. Further, there are other remedies under the contract that are available. Request for changes below: <b>Subject to the limitation of liability clause</b> , ReBIT reserves the right to recover any dues payable to the selected Bidder from any amount outstanding to the credit of the selected Bidder <b>under this contract</b> , including the pending bills and/or invoking Bank Guarantee, if any, <del>any other contract/order</del> under this contract.	This clause is pertaining to recoveru of dues arising out of any liability. Hence, no change in this clause.
81	71	15	Compute instances support anti-virus protection. (Any antivirus protection at no additional cost.)	As per the RFP OS and Anti-Virus are not part of scope and shall be supplied by ReBIT. Post Transfer, does Bidder needs to support OS and Anti-virus	Post Transfer phase, bidder is required to support warranty and support services for the products supplied by the bidder. Accordingly, support for guest OS and Anti-virus is not in scope of bidder.
82		General Terms		Bidder requests ReBIT to clarify whether Bidder has to supply Antivirus or this shall be provided by ReBIT only	Antivirus is not in scope of Bidder in this RFP.

S.No	Query Reference (Page)	Query Reference (Clause)	Existing clause of the RFP	Query by the Vendor	ReBIT's Response
83	34	15, clause vii. (i) and clause xii.	Existing whole Termination clause	<p>We Request Rebit to remove below points from the termination clause:</p> <p>Clause vii. ReBIT reserves the right to cancel the contract placed on the selected Bidder and recover expenditure incurred by ReBIT on the following circumstances: (i). The progress made by the selected Bidder is found to be unsatisfactory. Nonsatisfactory performance of the selected Bidder during implementation and operation. The progress regarding the execution of the order accepted by the selected Bidder is found to be unsatisfactory or delay in execution of the contract, ReBIT reserves the right to get the balance contract executed by another party of its choice by giving one month's notice for the same. In this event, the selected Bidder is bound to make good the additional expenditure, which ReBIT may have to incur in executing the balance contract. This clause is applicable, if for any reason, the contract is cancelled.</p> <p>Clause xii. Additionally, the selected bidder will also refund payment received on account of project / service / Asset procured without any time delay.</p> <p>Remarks: This being a price recovery clause, it doesnot quantify the level of unsatisfaction.</p>	<p>This clause vii. (i)is applicable in case the performance of the successful bidder is not satisfactory with respect to the RPF such as delivery lead times not as per the RFP, if implementation is not as per the RFP, non-adherence to SLAs mentioned in the RFP etc. As mentioned in response to S.No 28, in case of unsatisfactory performance, a cure period may be provided by ReBIT before terminating the contract. Hence, no change in clause vii,(i)</p> <p>Regarding Clause xii, the payment will be released only after successful completion of each milestone as per the payment terms mentioned in the RFP. The refund option is for cases where the successful bidder could not perform any of the project activities/deliver the product(s)/services as per the RFP and ReBIT may have made prior payments to hardware/software etc as per the RFP. Hence, no change in this clause.</p>

S.No	Query Reference (Page)	Query Reference (Clause)	Existing clause of the RFP	Query by the Vendor	ReBIT's Response
				<p>Moreover we request Rebit to pay selected bidder for the work completed as per the scope of work and only applicable LD/penalty should be deducted.</p>	

S.No	Query Reference (Page)	Query Reference (Clause)	Existing clause of the RFP	Query by the Vendor	ReBIT's Response
84	48	21	Limitation of Liability full clause	<p><b>We Request Rebit to remove the below point from the LOL clause:</b> Limitation of liability will not be applicable to any legal injuries suffered by ReBIT due to the bidder in following scenarios: cybersecurity breach or data losses</p> <p>Remarks: This being a private cloud project and will be a separate environment. We request Rebit to kindly consider removal of this clause as unlimited liability on any data breach at Rebit premises as it may not be from the scope of selected bidder for this project.</p>	<p>In the section referred to in the query, it may be noted that the limitation of liability is not applicable to any legal injuries suffered by ReBIT due to the bidder. As stated in the query, in case, the legal injury is not attributable to the bidder, then this section may not be applicable. Further, in case of any dispute, the bidder and ReBIT may try to resolve the same as per the Dispute Resolution mechanism mentioned in Section 34 of the RFP.</p>
85	60	6	Annexure-F Bidder must have completed 2 projects in Private Cloud Implementation of size a) 300 core or more for both projects or b) collective size being 300 core or more with at least 1 project being 200 cores or more. with specifications as per Table 1 of the RFP based on proposed solution of HCI (HyperConverged Infrastructure) in atleast 2 organisation out of which atleast 1 organisations shall be within BFSI sector in India /Central or State Govt. in the past 5 years in India and should be live as on 31-12-2020. Should provide the required documentary evidences / proof in the form	<p><b>Request Rebit to remove the term" Private Cloud Implementation"</b> <b>Or</b> <b>allow bidder to place references in below:</b> This solution will have three parts: Servers, HCI and orchestration/selfservice software a. If bidder can give references of proposed OEM infra and HCI+orchestration of other OEM. b. If bidder can giver references of HCI and servers of proposed OEM and orchestration of other OEM.</p>	<p>Please refer response to sr.no.42. Further, the bidder shall provide reference of past project for the OEM solution of servers, HCI and orchestration/selfservice software which are proposed by the bidder in the Bid submitted against the RFP.</p>

S.No	Query Reference (Page)	Query Reference (Clause)	Existing clause of the RFP	Query by the Vendor	ReBIT's Response
			of purchase order and go-live certificate(s) from the client(s).	Mostly if we can provide only HCI references for the proposed OEM keeping others aside.	
86	87	Annexure J: Technical Specifications - L: other : Point vii	Scalability: HCI solution should support dynamic scalability without Zero downtime and automated resource allocation during upgrades. The upgrade should be granular and in 1 node increments. The solution must support adding storage only nodes if needed without resulting in additional SW license cost either for DBs or hypervisor.	Adding a storage only node in the cluster adds an imbalance in the cluster. For example if the Storage only node (with far higher capacity than the other nodes )were to fail, the cluster would have no free capacity to sustain the failure. This defeats the purpose of the HCI solution. Please change to "HCI solution should support dynamic scalability with Zero downtime and automated resource allocation during upgrades in same cluster. The upgrade should be granular and in 1 node increments. " The policy and structure for DB licensing is designed by the DB OEM and NO hardware/HCI OEM has any control over this. Please do modify the clause to remove the DB & hypervisor license clause	Please Refer response provided at Sr. No. 49

S.No	Query Reference (Page)	Query Reference (Clause)	Existing clause of the RFP	Query by the Vendor	ReBIT's Response
87	107	Appendix J 2 Hardware and Interface Requirements xi	<p>NGFW must support at least minimum 5 Gbps of TCP performance considering below features &amp; functionality enabled.</p> <ol style="list-style-type: none"> <li>1) NGIPS</li> <li>2) Anti-Malware + Anti-Bot</li> <li>3) Application visibility and control.</li> <li>4) URL Filtering</li> <li>5) SSL inspection with industry standard ciphers used.</li> </ol> <p>Must Have Bidder should furnish the publicly published document for the above clause. In case such publicly published document is not available, bidder should submit letter from their OEM in this regards. Letter of OEM should be signed by their authorised person legally binding them towards adherence for the requirement.</p>	<p>Here total NGFW throughput which is asked is 5Gbps and CPU utilization should be below 75%. But Does this throughput is considering DDoS functionality as well or without it? If 5Gbps throughput is without DDoS functionality then probably we will have consider appliance with more than 5Gbps to support DDoS functionality. And we assume you want to run full fledged DDoS functionality on the firewall. <b>Please confirm.</b></p>	<p>Please Refere Response Sr. No. 21</p>
88	144	Appendix J 10 Administration, Management, & Logging / Reporting Functionality	<p>"External or centralised log storage device capacity should be minimum 3 TB and it should be scalable up to minimum 8 TB for future expansion" - Must have</p>	<p>If we can consider external storage for the storing the logs beyond appliance capacity. It might happen that we will not be able to see those logs in management console. Please check &amp; let us know if it is acceptable.</p>	<p>If logs storage of 8 TB is fully utilized, then the older logs may be overwritten and the latest logs should be available at any given point of time in management console.</p>

S.No	Query Reference (Page)	Query Reference (Clause)	Existing clause of the RFP	Query by the Vendor	ReBIT's Response
89	CORRIGEN DUM # 1 Page No 2	5.3 Hardware requirements Table 1	Estimated Minimum IOPS in a Cluster- 4 Lakhs with 4KB block size. 70% & 30% RW Ratio. Latency should be less than 5 milliseconds.	4 Lakh IOPS in a 9 ALL FLASH Node Cluster is on the higher side. One ALL FLASH Node approx 20k IOPS . Approx 2 lakhs IOPS. We request ReBIT to consider the IOPS again	No change. 4 lakh IOPS are required as per Corrigendum#1 Page No 2 of 164.
90	CORRIGEN DUM # 1 Page No 22	The solution should support AES-128 and AES-256 encryption (in conjunction with any KMIP 1.1 compliant KMS server) of the workloads when at rest on storage without modifying the Guest OS	KMS is not in the scope of this RFP. As per the RFP, the solution shall support integration with KMS solution in future.	Data Encryption at rest require KMS , please clarify if Data encryption at rest is required as a part of the solution.	Please refer response sr. no. 58

S.No	Query Reference (Page)	Query Reference (Clause)	Existing clause of the RFP	Query by the Vendor	ReBIT's Response
91			Query on PO (tenure of PO)	<p>Request Rebit to provide PO for the entire 5 years period. In case of Rebit placing PO beyond 2 years for additional components according to Table-1 in the RFP, then are they asking for price validity till then without official PO?</p> <p>The prices are dependant on Taxes, Duties (including Custom Duties), Levies, USD-INR exchange rate, OEM Discounts etc. The bidder here does not have any control over these factors. Also OEM may change the unit list price of BOM items beyond 2 years. Then the price quoted in the commercial sheet from Y3 to Y5 will stand irrelevant. Hence we request Rebit to issue PO for 5 years to successful bidder or nullify fixed price validity for line items in the BOM from Y3 to Y5.</p>	Please refer response to S.No 78. ReBIT intends to have a firm price for all years Year 1 to Year 5.
92	97	Q. Leaf (10/25G Fibre) Switch Specification > 1. Solution Requirement > iii	The proposed switches should be part of Gartner Leader Quadrant for DC Networking for last 3 years	<p>Please modify this clause to "The proposed switches should be part of Gartner Leader Quadrant for DC Networking/Wired and Wireless LAN access for last 3 years or IDC Worldwide Top 5 companies as per their revenue market share Report in switch"</p> <p>IDC is also the standard rating recognise by network industries.</p>	No Change in specification



S.No	Query Reference (Page)	Query Reference (Clause)	Existing clause of the RFP	Query by the Vendor	ReBIT's Response
93	98	Q. Leaf (10/25G Fibre) Switch Specification >3. Performance Requirement > ii	Switch should support minimum 800 VRF instances with route leaking functionality	<p>Please modify this clause to "All switches &amp; proposed Fabric must support for minimum 250 VRFVRF instances with route leaking functionality"</p> <p>in the given tender requirement, there will not require more than 250 VRF to segregate the network.</p>	Please Refere response Sr. No. 53
94	98	Q. Leaf (10/25G Fibre) Switch Specification >3. Performance Requirement > iii	The switch should support 500k IPv4 LPM routes	<p>Please modify this clause to "The switch should support 125k IPv4 routes or LPM routes"</p> <p>Such a higher routing table is not required in switch.</p> <p>A primary function of a L3 device is to forward packets toward their destination. This is accomplished by using a switching function to accept a packet on one interface and forward it out another interface. A key responsibility of the switching function is to encapsulate packets in the appropriate data link frame type for the outgoing data link.</p>	No Change in specification

S.No	Query Reference (Page)	Query Reference (Clause)	Existing clause of the RFP	Query by the Vendor	ReBIT's Response
95	98	Q. Leaf (10/25G Fibre) Switch Specification >3. Performance Requirement > iv	The line card proposed in the Switch should have minimum 0.7 MB system packet buffer per port	<p>Please modify this clause to "The proposed Switch should have minimum 32 MB system packet buffer"</p> <p>For Network buffering, there's no right answer to how much of it we need. Huge buffers mean that the network never drops any traffic, but also mean increased latency. Buffer will store the traffic before it's forwarded. Some Organization prefer to have smaller buffers and let the application or protocol deal with some dropped traffic. The right way is to understand the application traffic patterns and pick a switch that fits those needs.</p>	Please Refere response Sr. No. 15
96	98	Q. Leaf (10/25G Fibre) Switch Specification >3. Performance Requirement > v	The switch should support 16k multicast routes	<p>Please change to " The switch should support 4k multicast routes."</p> <p>4000 multicast source will not be there in current setup.</p> <p>A multicast routing protocol is a mechanism for constructing a loop-free shortest path from a source host that sends data to the multiple destinations that receives the data. IPV4 uses Class D address (224.0.0.0 to 239.255.255.255) and allowing a host to send a single data stream to a subset of all hosts (group transmission) concurrently. So number of Multicast route is depend on number of multicast source in the network.</p>	No Change in specification

S.No	Query Reference (Page)	Query Reference (Clause)	Existing clause of the RFP	Query by the Vendor	ReBIT's Response
97	99	Q. Leaf (10/25G Fibre) Switch Specificatio n >5. Layer 2 Features > viii	The switch should support BGP EVPN (RFC 7432) Route Type 2, Type 4 and Route Type 5 for the overlay control plane	<p>Please modify this clause to "The switch should support BGP EVPN (RFC 7432) Route Type 2, Route Type 5 for the overlay control plane"</p> <p>In EVPN solution, Type and Type 5 routes are used. VTEP, host routes (published by remote VTEPS via route type-2) . Similarly, the EVPN type-5 prefixes advertised by other VTEPs get installed as prefix-routes.</p>	No Change in specification
98	99	Q. Leaf (10/25G Fibre) Switch Specificatio n >6. Layer 3 Features > ii	Switch should support MPLS segment routing and VRF route leaking functionality from day 1	<p>Please modify this clause to "Switch should support VRF functionality from day 1"</p> <p>MPLS segment routing is not required at Spine switch. MPLS link or MPLS control plane will not being used as control plane in spine and leaf architecture. EVPN control plane functionality will be use in spine and leaf deployment.</p>	Please Refere response Sr. No. 54
99	99	Q. Leaf (10/25G Fibre) Switch Specificatio n >6. Layer 3 Features > v	b. PIM-SSM (RFC 3569)	<p>Please change to " PIM-SSM (RFC 3569)/PIM SM/PIM DM.</p> <p>PIM SM /DM is the common multicast protocol used by all the organisation.</p> <p>PIM SSM (Source Specific Multicast) protocol based on Source based tree(SBT). It has poor scalability and it is difficult to apply large network.</p>	Please Refere Response Sr. No. 16

S.No	Query Reference (Page)	Query Reference (Clause)	Existing clause of the RFP	Query by the Vendor	ReBIT's Response
100	99	Q. Leaf (10/25G Fibre) Switch Specification >6. Layer 3 Features > vi	d. Support Multicast Source Discovery Protocol (MSDP) (RFC 3618)	<p>please change to "Support Multicast Source Discovery Protocol (MSDP)"</p> <p>RFC 3618, defines an Experimental Protocol for the Internet community. It does not specify an Internet standard of any kind. Discussion and suggestions for improvement are requested.</p> <p><a href="https://tools.ietf.org/html/rfc3618">https://tools.ietf.org/html/rfc3618</a></p>	Clause modified as , Q.6.vi "Support Multicast Source Discovery Protocol (MSDP)"
101	99	Q. Leaf (10/25G Fibre) Switch Specification >7. Quality of Service > ii	Switch should support for different type of QoS features for real time traffic differential treatment using Weighted Random Early Detection, Strict Priority Queuing	<p>Please modify this clause to</p> <p>"Switch should support for different type of QoS features for real time traffic differential treatment using Weighted Random Early Detection/Deficit Weighted Round Robin (DWRR) /PFC /ETS, Strict Priority Queuing"</p> <p>For datacentre switch, Data Center Bridging (DCB) protocol will provide lossless Ethernet networking standard Priority Flow Control (PFC), Enhanced Transmission Service (ETS) and DCB Exchange Protocol (DCBX) to eliminate packet loss due to queue overflow.</p> <p>OEM is having different queuing and congestion mechanism to avoid the packet drop in switch.</p>	No change in specification

S.No	Query Reference (Page)	Query Reference (Clause)	Existing clause of the RFP	Query by the Vendor	ReBIT's Response
102	100	Q. Leaf (10/25G Fibre) Switch Specification >8.Security > vi	Switch should support Spanning tree BPDU protection	<p>Please modify this clause to</p> <p>"Switch should support Spanning tree BPDU protection or Bridge Protocol Data Unit (BPDU) tunneling."</p> <p>At the DC core switch BPDU tunneling is required, Bridge Protocol Data Unit (BPDU) tunneling allow correct tree calculations across networks.</p>	No change in specification
103	100	Q. Leaf (10/25G Fibre) Switch Specification >8.Security > vi	The Switch should provide port security	<p>Please remove this clause to</p> <p>Port security feature required at access layer switch not at leaf switch where servers are getting connected.</p>	Kindly refer corrigendum#1 Page no.111 out of 164.
104	100	Q. Leaf (10/25G Fibre) Switch Specification >9.Manageability > ii	Switch should provide remote login for administration using Telnet, SSHv2	<p>Please modify this clause to</p> <p>"Switch should provide remote login for administration using Telnet/SSHv2"</p> <p>Telnet is not the secure protocol to login on the switch.</p>	No Change in specification

S.No	Query Reference (Page)	Query Reference (Clause)	Existing clause of the RFP	Query by the Vendor	ReBIT's Response
105	101	R. Spine Switch > 1. General Requirement > iii	The proposed switches should be part of Gartner Leader Quadrant for DC Networking for last 3 years	<p>Please modify this clause to "The proposed switches should be part of Gartner Leader Quadrant for DC Networking/Wired and Wireless LAN access for last 3 years or IDC Worldwide Top 5 companies as per their revenue market share Report in switch"</p> <p>IDC is also the standard rating recognise by network industries.</p>	No Change in specification
106	102	R. Spine Switch >3. Performance Requirement > i	Switch should support minimum 1000 VRF instances with route leaking functionality	<p>Please modify this clause to "All switches &amp; proposed Fabric must support for minimum 250 VRF instances with route leaking functionality"</p> <p>in the given tender requirement, there will not require more than 250 VRF to segregate the network.</p>	Please Refere response Sr. No. 53
107	102	R. Spine Switch >3. Performance Requirement > ii	The switch should support minimum 260K IPv4 LPM routes	<p>Please modify this clause to "The switch should support 125k IPv4 routes or LPM routes"</p> <p>Such a higher routing table is not required in switch.</p> <p>A primary function of a L3 device is to forward packets toward their destination. This is accomplished by using a switching function to accept a packet on one interface and forward it out another interface. A key responsibility of the switching function is to encapsulate packets in the appropriate data link frame type for the outgoing data link.</p>	No change in specification

S.No	Query Reference (Page)	Query Reference (Clause)	Existing clause of the RFP	Query by the Vendor	ReBIT's Response
108	102	R. Spine Switch >3. Performance Requirement > iii	The switch proposed should have minimum 40 MB Packet Buffer	<p>Please modify this clause to "The proposed Switch should have minimum 32 MB system packet buffer"</p> <p>For Network buffering, there's no right answer to how much of it we need. Huge buffers mean that the network never drops any traffic, but also mean increased latency. Buffer will store the traffic before it's forwarded. Some Organization prefer to have smaller buffers and let the application or protocol deal with some dropped traffic. The right way is to understand the application traffic patterns and pick a switch that fits those needs.</p>	Please Refere response Sr. No. 17
109	102	R. Spine Switch >3. Performance Requirement > iv	The switch should support 8k multicast routes	<p>Please change to " The switch should support 4k multicast routes."</p> <p>4000 multicast source will not be there in current setup.</p> <p>A multicast routing protocol is a mechanism for constructing a loop-free shortest path from a source host that sends data to the multiple destinations that receives the data. IPV4 uses Class D address (224.0.0.0 to 239.255.255.255) and allowing a host to send a single data stream to a subset of all hosts (group transmission) concurrently. So number of Multicast route is depend on number of multicast source in the network.</p>	No change in specification

S.No	Query Reference (Page)	Query Reference (Clause)	Existing clause of the RFP	Query by the Vendor	ReBIT's Response
110	103	R. Spine Switch >5. Layer 2 Features > vii	The switch should support BGP EVPN (RFC 7432) Route Type 2, Type 4 and Route Type 5 for the overlay control plane	<p>Please modify this clause to "The switch should support BGP EVPN (RFC 7432) Route Type 2, Route Type 5 for the overlay control plane"</p> <p>In EVPN solution, Type and Type 5 routes are used. VTEP, host routes (published by remote VTEPS via route type-2) . Similarly, the EVPN type-5 prefixes advertised by other VTEPs get installed as prefix-routes.</p>	Please Refere response Sr. No. 97
111	103	R. Spine Switch >5. Layer 2 Features > ix	The software should have a mechanism to proactively detect and address potential hardware and software faults during runtime.	<p>Please remove this clause.</p> <p>This is OEM specific clause.</p>	No change in specification



S.No	Query Reference (Page)	Query Reference (Clause)	Existing clause of the RFP	Query by the Vendor	ReBIT's Response
112	103	R. Spine Switch >6. Layer 3 Features > ii	Switch should provide multicast traffic reachable using PIM-SM (RFC 4601), PIM-SSM (RFC 3569), Support Multicast Source Discovery Protocol (MSDP) (RFC 3618)	<p>Please modify this clause to " Switch should provide multicast traffic reachable using PIM-SM, PIM-SSM (RFC 3569)/PIM DM, Support Multicast Source Discovery Protocol (MSDP)"</p> <p>PIM SSM (Source Specific Multicast) protocol based on Source based tree(SBT). It has poor scalability and it is difficult to apply large network.</p> <p>RFC 3618,defines an Experimental Protocol for the Internet community. It does not specify an Internet standard of any kind. Discussion and suggestions for improvement are requested.</p> <p><a href="https://tools.ietf.org/html/rfc3618">https://tools.ietf.org/html/rfc3618</a></p>	Please Refere Response Sr. No. 16
113	104	R. Spine Switch >6. Layer 3 Features> iii	Switch should support Multicast routing RFC 6513, 6514	<p>Please change to " Switch should support Multicast routing"</p> <p>RFC 6513 and 6514 defined for Multicast in MPLS/BGP IP VPNs. This will be required in service provider network not in DC or Campus network.</p> <p>In order for IP multicast traffic within a BGP/MPLS IP VPN (Virtual Private Network) to travel from one VPN site to another, special protocols and procedures must be implemented by the VPN Service Provider.</p>	No change in specification

S.No	Query Reference (Page)	Query Reference (Clause)	Existing clause of the RFP	Query by the Vendor	ReBIT's Response
114	104	R. Spine Switch > 7. Quality of Service > ii	Switch should support for different type of QoS features for real time traffic differential treatment using Weighted Random Early Detection, Strict Priority Queuing	<p>Please modify this clause to</p> <p>"Switch should support for different type of QoS features for real time traffic differential treatment using Weighted Round Robin (DWRR) /PFC /ETS, Strict Priority Queuing"</p> <p>For datacentre switch, Data Center Bridging (DCB) protocol will provide lossless Ethernet networking standard Priority Flow Control (PFC), Enhanced Transmission Service (ETS) and DCB Exchange Protocol (DCBX) to eliminate packet loss due to queue overflow.</p> <p>OEM is having different queuing and congestion mechanism to avoid the packet drop in switch.</p>	No change in specification
115	104	R. Spine Switch > 8.Security> vi	The switch should provide 802.1x based authentication protocol for posture assessment.	<p>Please remove this clause.</p> <p>802.1x based authentication protocol for posture assessment is required for end device which is connected on access switch. Spine switch connect to leaf switch and there is no user connected on Spine switch.</p> <p>IEEE 802.1x authentication is not required at the core switch, it is required at access switch for end user authentication.</p>	Kindly refer corrigendum#1 Page no.117 out of 164.

S.No	Query Reference (Page)	Query Reference (Clause)	Existing clause of the RFP	Query by the Vendor	ReBIT's Response
116	105	R. Spine Switch > 9.Manageability > ii	Switch should provide remote login for administration using Telnet, SSHv2	Please modify this clause to  "Switch should provide remote login for administration using Telnet/SSHv2"  Telnet is not the secure protocol to login on the switch.	Please Refere response Sr. No. 104
117	105	R. Spine Switch > 9.Manageability > iii	Streams ASIC statistics at rapid cadence based on user config without involving switch CPU: >Interface counters (packets/bytes/drops) >Ingress/Egress queue depth >Ingress/Egress queue drops >Egress queue microbursts >Buffer depth	Please remove this clause. This is OEM specific feature. There is no IEEE standard for this	This is required aperl the RFP requirement. Moreover, this is not a knock out point. No change in specification.
118	105	R. Spine Switch > 9.Manageability > iv	Should support software telemetry - >Utilization of Operational like MAC/Route & Hardware resources like port utilization/ BW >Switch environmentals like (CPU/memory/FAN/Power Supply) > Interface statistics like CRC error	Please modify this clause to  "Should support software telemetry - > Hardware resources like port utilization/ BW >Switch environmental like (CPU/memory/FAN/Power Supply) > Interface statistics"  These above mentioned features are the standard feature, a software can fetch from switch.	This is our requirement. However, this is not a knock out point. No change in specification.
119				" Clarify if the bidders can provide <b>third party encryption solution for data at rest &amp; data in motion requirement</b> as mentioned in your RFP or the bidders have to consider native encryption solutions only."	Please refer response sr. no. 58

S.No	Query Reference (Page)	Query Reference (Clause)	Existing clause of the RFP	Query by the Vendor	ReBIT's Response
120	79	D. Patch management	The Solution should support patch management such that it should be able to update patches on its own hypervisor, hosts and update guest operating system	<p>Guest OS patching is done with WSUS or Red Hat Satellite / ManageEngine Patch Manager Plus etc.</p> <p>what are the existing tools that be used for OS patching?</p>	Details of existing Patch management tool will be shared with the successful bidder.
121	81	F. Business Continuity	Solution must provide replication at appropriate level including virtual machine and support to storage level within private cloud.	In HCI , replication across sites is achieved using VM level replication. What is storage level replication ask or need?	<p>Bidder can use any type of Replication which is most suited and compatible with the proposed HCI solution.</p> <p>Solution must provide replication at appropriate level including virtual machine and support to storage level within same site and across the sites.</p>

S.No	Query Reference (Page)	Query Reference (Clause)	Existing clause of the RFP	Query by the Vendor	ReBIT's Response
122	94	L. Other	<p>The solution should have other Managed Services</p> <ul style="list-style-type: none"> <li>- OS Management</li> <li>- DB Management</li> <li>- Security Management</li> <li>- Network Management</li> <li>- Real Time Latency Monitoring Tool</li> <li>- DDoS Protected Bandwidth</li> <li>- Real Time Monitoring of Bandwidth Usage</li> <li>- Multilayer Configuration of Devices</li> <li>- Network Governance</li> <li>- Monitoring Management</li> <li>- Monitor more parameters</li> <li>- Deep Monitoring including Services</li> <li>- SMS and Email alerts for Instant Action</li> <li>- Automated Ticket Generation and Proactive Resolution</li> <li>- Content Delivery Network (CDN) for App, Web</li> <li>- External Object Storage like AWS/S3</li> <li>- Disaster Recovery of Cold DR with Backup (Active-Passive model)</li> <li>- Hardware</li> </ul> <p>Software HCI should support to Management Systems (KMS).</p>	<p>what are the different list of tools available currently to provide services?</p>	<p>This requirement is removed as it is already covered in RFP. (Refer RFP page 12 and 13 of 154: 5.4. Software requirements ---&gt; xvii. Key requirements of the HCI solution: ----&gt; r)</p>
123	8	5.2 Kick-Off and Project Management	<p>§ Apps migration strategy plan, Handover</p>	<p>What are the 5 applications to be migrated on proposed HCI solution. Are they Cloud ready? Can REBIT share web, app, db details and data size to be migrated, within or across sites? How many total number of VMs to be migrated for sign off?</p>	<p>5 Applications identified for testing purpose are very small to medium size. Further details will be shared with the successful bidder.</p>

S.No	Query Reference (Page)	Query Reference (Clause)	Existing clause of the RFP	Query by the Vendor	ReBIT's Response
124	17		xvi. Setting up of test environment at ReBIT will be Bidder's responsibility.	How many number of VMs to be created in Test environment? Will it be fresh install or migration from existing environment ??	Please Refer response Sr. No. 123
125	22	5.8.1 Guidelines for Maintenance and Support	i. Vendor should maintain audit logs for all monitoring and events according to ReBIT policy and provide this information upon request. These audit logs must be secure and stored as per defined retention policy.	what is the retention policy for each application. How much storage capacity be required , is that be covered in 400 TB proposed solution??	Storage capacity requirement mentioned in the RFP includes backup requirement. Refer page no 91 of the RFP : Annexure J: O. Backup ---- > I The Bidder can consider 40% of the total HCI storage capacity for the backup.
126	10	Table 1	GPU (for limited cluster requirement). Bidder can propose equivalent GPU with similar memory & performance	Nvidia v100S 32Gb GPU cards lead delivery time around 6 months as of now	Bidder may propose GPU Card with 4600 or more compute cores, 300 or more Tensor cores and 32GB video memory. GPU should support both compute and graphics workloads in a VM and should also support Live Motion feature on a supported Hypervisor. The GPU supplied should be the latest certified model available on the platform at the time of placing the purchase order. (It should be tested and verified on respective HCI layer and Server).  Bidder shall provide document evidence or web link. The delivery lead time shall be within the overall delivery lead time mentioned in the RFP/Corrigendum.

S.No	Query Reference (Page)	Query Reference (Clause)	Existing clause of the RFP	Query by the Vendor	ReBIT's Response
127	10	Table 1	Tesla V100 32 GPU or Equivalent (2 numbers)	Nvidia virtual gpu software licenses for vGPU functionality	Perpetual license for Graphics + Compute profile with 5-year online support should be provided along with the GPU.  Total number of GPU Cards: 5. No. of virtualization require: 1 per GPU. If virtualization require licenses, the bidder shall provide the same as part of the Solution.
128				Please confirm if the capacity configured should be after considering <b>De duplication and compression</b> benefits offered by HCI solution.	Capacity mentioned in RFP is without Deduplication & Compression

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