

Sno.	Annexure - A Tender Reference No: CON/IT/1261/20/01 - Pre-Bid Queries-Response , Pre-Bid Meeting : 23.07.2020 @ 03:00 PM			
1	M/s. Orbit Techsol India Pvt. Ltd.			
	Tender Clause No	22/ Disaster Recovery Management Software		
	Pg No	Vendor Query	RFP Specification	Amended Clause/Concor Reply
a	144	Not a functionality of DR Management Software; It looks like a proprietry specs of some OEM.	EMS should be an integrated solution for monitoring and management across abroad set of application /server infrastructures.	No Change , DC-DR Solution designed as per Concor Requirement
b	144	Not a functionality of DR Management Software; It looks like a proprietry specs of some OEM.	It should help manage business applications by proactively monitoring essential system resources, detecting bottlenecks and potential problems. It should provide out-of-the-box best practices for identifying and resolving infrastructure problems, to help improve the effectiveness and efficiency of our IT department.	No Change , DC-DR Solution designed as per Concor Requirement
c	144	DRM software can only do End to End monitoring from DR Management perspective only.	It should provide end-to-end monitoring and managing for: <ul style="list-style-type: none"> a) Heterogeneous Operating systems. b) Virtual servers. c) Database servers. d) Application servers. e) Web Servers f) Database / Application Storage. g) Network components (like InfiniBand switches) Java™ Platform and Enterprise Edition (Java EE) applications, J2EE platforms such as WebLogic,	No Change , DC-DR Solution designed as per Concor Requirement

d	144	Not a functionality of DR Management Software; It looks like a proprietary specs of some OEM. This is a functionality of a Performance monitoring tool	Tool should be capable of providing analytics with enhanced utilization monitoring for Unix operating systems and provides the data to analyse physical and virtual behaviour of an operating system, to improve performance, and to diagnose and to correct incidents.	No Change , DC-DR Solution designed as per Concor Requirement
e	144	Not a functionality of DR Management Software; It looks like a proprietary specs of some OEM.	It should enable you to discover, provision, update, monitor, and manage the virtual systems, as if they were physical assets.	No Change , DC-DR Solution designed as per Concor Requirement
f	145	Not a functionality of DR Management Software; It looks like a proprietary specs of some OEM.	<p>Tool should allow you can create the following reports:</p> <p>a) Incident</p> <p>b) Firmware Compliance</p> <p>c) Update</p> <p>d) Server Provisioning</p> <p>e) Hardware Configuration</p> <p>f) OS Analytics</p> <p>g) Virtualization Analytics</p>	No Change , DC-DR Solution designed as per Concor Requirement
g	145	Not a functionality of DR Management Software; It looks like a proprietary specs of some OEM. This is a functionality of a Performance monitoring tool	<p>It should be possible to make decisions about server utilization, allocating critical and scarce resources between virtual environments or even isolate the source of a problem. It should be possible to have a quick visualization of following:</p> <p>a) CPU Utilization</p> <p>b) Memory Utilization</p> <p>c) Network Utilization</p> <p>d) File System Utilization</p> <p>e) System Load</p>	No Change , DC-DR Solution designed as per Concor Requirement
h	145	Not a functionality of DR Management Software; It looks like a proprietary specs of some OEM.	Should provide complete Hardware Management with a Single Pane of Glass for Server, Storage, Network Management. Integrated Management of Virtual Storage and Networks.	No Change , DC-DR Solution designed as per Concor Requirement
<p>2. Technical specifications:</p> <p>A) Specification of the Hardware and Software (on-Premise)</p> <p>3. Web Application Firewall for DR</p>				

	Web Application Firewall for DR			
	Pg No	Vendor Query	RFP Specification	Amended Clause/Concor Reply
i	66	<p>As WAF is Asked with 1 gbps of throughput, Specifications asked wrt to RAM and HDD is Oversized incurring unnecessary overhead Costing to CONCOR.</p> <p>Also, As per Security Guidelines and Compliance, Any Networking Device should not use or run any Open Source in order to maintain Integrity and confidentiality of the appliance as well as User's Traffic. Hence we request you to amend this Clause.</p> <p>Suggested Clause: The Proposed WAF Module should be a part of Next-Generation, Multi-Tenanted Platform with High Performance. The Appliance should have minimum 32 GB RAM and 500 GB HDD.</p>	<p>The Proposed WAF Module should be a part of Next-Generation, Multi-Tenanted Platform capable of installing and running third-party and open source softwares on the same appliance from Day 1. The Appliance should have minimum 64 GB RAM and 4 TB HDD.</p>	<p>No Change , DC-DR Solution designed as per Concor Requirement</p>
j	66	<p>As WAF is Asked with 1 gbps of throughput, Specifications asked wrt to Ports is Oversized incurring unnecessary overhead Costing to CONCOR. Hence, we request you to amend this clause.</p> <p>Suggested Clause: Traffic ports supported: 2 X 10G SFP+, 8 X 1G.</p>	<ul style="list-style-type: none"> · Traffic ports supported: · 8 X 10G SFP+, 2 X 40G QSFP+ · 1 X 1G Management Port (RJ45) 	<p>No Change , DC-DR Solution designed as per Concor Requirement</p>
k	66	<p>As per Security Guidelines and Compliance, Any Networking Device should not use or run any Open Source in order to maintain Integrity and confidentiality of the appliance as well as User's Traffic . Hence we request you to amend this Clause.</p> <p>Suggested Clause: The proposed device should have ADCVX/ Virtualization feature that virtualizes the Device resources—including CPU, memory, network, and acceleration resources.</p> <ul style="list-style-type: none"> · Each virtual instance contains a complete and separated environment of the Following: <ul style="list-style-type: none"> a) Resources b) Configurations, c) Management, d) OS <p>· The Proposed device should support 16 Virtual Instance and scalable upto 24 Virtual Instances.</p>	<ul style="list-style-type: none"> · The proposed device should have ADCVX/ Virtualization feature that virtualizes the Device resources—including CPU, memory, network, and acceleration resources. · Each virtual instance contains a complete and separated environment of the Following: <ul style="list-style-type: none"> a) Resources b) Configurations, c) Management, d) OS · The Proposed device should support up to 16 Virtual Instances including the capability to install and run third-party and open source software on the same appliance. 	<p>No Change , DC-DR Solution designed as per Concor Requirement</p>
l	67	<p>WAF works on the Principal of Positive and Negative security model for the Protection of Applications from Targeted Web Based Vulnerabilities Attacks. The Clause mentioned here is relevant for Web forensics/Web Scanning tools that requires dedicated Solution hence we request you to remove this clause.</p> <p>Suggested Clause: Kindly Delete this clause.</p>	<p>The proposed solution should also be able to detect attacks using retrospective analysis of webserver access logs to investigate, previously occurred events (historical events in past before deployment of WAF or to detect attacks in applications not protected by WAF)</p>	<p>No Change , DC-DR Solution designed as per Concor Requirement</p>

m	67	<p>With Autodiscovery device can understand the complete application behavior and change the configuration accordingly without any manual intervention. Hence this feature should be included as devices with ability to Autodiscover can discover changes in application and does not require any external/inbuilt vulnerability scanner.</p> <p>Suggested Clause: The proposed solution should include a passive vulnerability scanning engine/ Auto discovery Feature.</p>	<p>The proposed solution should include a passive vulnerability scanning engine with ability to detect suspicious requests and compromise responses of the applications. For example, based on a malicious sql query from the user and based on the application response, the passive vulnerability scanner should be capable to detect application vulnerability that is being exploited or attempted to be exploited.</p>	<p>No Change , DC-DR Solution designed as per Concor Requirement</p>
n	67	<p>WAF works on the Principal of Positive and Negative security model for the Protection of Applications from Targeted Web Based Vulnerabilities Attacks. The Clause mentioned here is relevant for Web forensics/Web Scanning tools that requires dedicated Solution hence we request you to amend this Clause and Include WAF Protection Module Details.</p> <p>Suggested Clause: Solution must provide the following Protections and Features:</p> <ol style="list-style-type: none"> 1) Open Web Application Security Project (OWASP) Top 10 attacks and WASC Web Security Attack Classification 2) Parameters Tampering 3) Cookie Poisoning 4) SQL Injection 5) Session Hijacking 6) Web Services Manipulation 7) Stealth Commands 8) Debug Options 9) Backdoor 10) 3rd Party Misconfiguration 11) Buffer Overflow Attacks 12) Data Encoding 13) Protocol Piggyback 14) Cross-Site Scripting (XSS) 15) Brute Force Attacks 16) OS Command Injection 17) Cross Site Request Forgery (CSRF) 18) Hot Link 19) Information Leakage 20) Path (directory) Traversal 21) Predefined resource location 22) Malicious file upload 23) Directory Listing 24) Parameter Pollution (HPP) 25) Sensitive data exposure protection for example, passwords, credit card etc. 26) Unauthorized navigation 27) File upload violations 28) HTTP/OCSP protocol validation 29) Cookie signing validation 30) Anti-site scraping 31) Bot mitigation 	<p>The Proposed WAF Module should support the following Security Features:</p> <ol style="list-style-type: none"> a) The proposed solution should integrate with Source code analysis solution that can identify vulnerabilities in technologies like Java, PHP, C# VB.Net, Python, C/C++. The proposed solution should provide report-based integration with the mentioned source code analysis solution to gain information on the vulnerability entry point, control flow and data flow of the vulnerable function. b) The proposed solution should be able to automatically build data model for unlimited number of attributes in HTTP request (e.g. parameters, headers, cookies) using a known and established Machine Learning technology to identify anomalous traffic going to the protected application. This Machine learning modeling should be completely executed Unassisted, and should not just build data models, but also detect changes to application attributes and retrain the built data models automatically. c) The proposed solution should also be able to detect attacks using retrospective analysis of webserver access logs to investigate, previously occurred events (historical events in past before deployment of WAF or to detect attacks in applications not protected by WAF) 	<p>No Change , DC-DR Solution designed as per Concor Requirement</p>

o	68	<p>With Autodiscovery device can understand the complete application behavior and change the configuration accordingly without any manual intervention. Hence this feature should be included as devices with ability to Autodiscover can discover changes in application and does not require any external/inbuilt vulnerability scanner.</p> <p>Suggested Clause: The solution must support integration with third party DAST and SAST tools to perform virtual patching for its protected web applications Or Support Auto Discovery Feature.</p>	<p>The solution must support integration with third party DAST and SAST tools to perform virtual patching for its protected web applications. The solution must support proposed web application vulnerability assessment tools to virtually patch web application vulnerabilities.</p>	<p>No Change , DC-DR Solution designed as per Concor Requirement</p>
	<p>Tender Clause No & Pg No</p>	<p>2. Technical specifications: A) Specification of the Hardware and Software (on-Premise) 5. Load Balancer with SSLi for DR Site</p>		
	<p>Load Balancer with SSLi for DR Site</p>			
	<p>Pg No</p>	<p>Vendor Query</p>	<p>RFP Specification</p>	<p>Amended Clause/Concor Reply</p>
p	71	<p>This Clause is restricting us to Participate. Being an Global Industry leader we request you to include Industry Standard Certification. It should be considered in order to have benchmark and get healthy competition among the Industry Technology Leaders. Please note that Gartner Leader Quadrant qualifies 3 OEM's. for the ADC.</p> <p>Suggested Clause: The proposed Load Balancer should be listed in latest Gartner's Leaders Quadrant for ADC OR Should be among the Top 5 Vendors according to the latest IDC Report for ADC</p>	<p>The proposed Load Balancer should be listed in latest Gartner's Market Guide for ADC and should be among the Top 5 Vendors according to the latest IDC Report for ADC</p>	<p>As per Tender document.</p>
q	71	<p>Ask for 4Tb of Storage is not relevant and will add up extra Cost Overhead to CONCOR. The appliance should have 500GB of Storage which is more than enough to cater any possible requirement also it does not affect the functionality of appliance in anyway. For Log storage the centralized management station can be proposed for better correlation and forensics. Also, the Scalability should be considered for future requirements.</p> <p>Suggested Clause: a) 6 X 10G SFP+ and 4 x 1G ports scalable to 12x10SFP+ and 4X1G Ports. b) 1 X 1G RJ 45 Management Port c) Layer 4 CPS: 500,000, Layer 7 RPS: 500,000 d) RAM: 64 GB support upto 256GB , HDD: 500 GB.</p>	<p>Traffic ports supported: a) 4 X 10G SFP+ and 4 x 1G ports b) 1 X 1G RJ 45 Management Port c) Layer 4 CPS: 500,000, Layer 7 RPS: 500,000 d) RAM: 64 GB, HDD: 4 TB</p>	<p>No Change , DC-DR Solution designed as per Concor requirement</p>

r	72	<p>As per Security Guidelines and Compliance, Any Networking Device should not use or run any Open Source in order to maintain Integrity and confidentiality of the appliance as well as User's Traffic. Hence we request you to amend this Clause.</p> <p>Suggested Clause: VIRTUALIZATION The proposed SLB should have ADCVX/ Virtualization feature that Virtualizes the devices resources – including CPU, Memory, Network, and acceleration resources. a) Resources b) Configurations c) Management d) OS The proposed device should support up to 32 virtual instances</p>	<p>VIRTUALIZATION The proposed SLB should have ADCVX/ Virtualization feature that Virtualizes the devices resources – including CPU, Memory, Network, and acceleration resources. a) Resources b) Configurations c) Management d) OS The proposed device should support up to 8 virtual instances including the capability to install and run third party and open sources software on the same appliance from Day 1</p>	<p>No Change , DC-DR Solution designed as per Concor Requirement</p>
s	72	<p>Machine based Authentication is not functionality of Server Load balancer. Hence we request you to amend this Clause.</p> <p>Suggested Clause: The SLB should support Role based Access for Administration and the Appliance should be ICSA Certified (System or any supported component)</p>	<p>The SLB should support Role based Access for Administration and the Appliance should be ICSA Certified (System or any supported component) The solution should have license upgrade feature on same appliance to support machine authentication based on combination of HDD ID, CPU info and OS related parameters i.e. mac address to provide secure access/authentication to corporate resources.</p>	<p>No Change , DC-DR Solution designed as per Concor Requirement</p>
t	72	<p>As per Industry Standard, DNS is not the Functionality of LLB. However, it can support resolution of A and AAAA records for GSLB Purpose. Hence we request you to Amend this clause.</p> <p>Suggested Clause: The device should support DNS SEC Global Server load Balancing functionality.</p>	<p>The device should support DNS SEC Global Server load Balancing functionality. It should be capable of handling complete Full DNS bind records including A, MX, AAAA, CNAME, PTR, SOA etc</p>	<p>No Change , DC-DR Solution designed as per Concor requirement</p>
	Tender Clause No.	<p>2. Technical specifications: A) Specification of the Hardware and Software (on-Premise) 9. Global Server Load Balancer</p>		
	Global Server Load Balancer			
	Pg No	Vendor Query	RFP Specification	Amended Clause/Concor Reply
u	80	<p>Hardware Specifications such has RAM, Processor is Missing in the Clause. Device Should have enough resource to handle traffic without performance degradation. Hence we request you to Amend Clause.</p> <p>Suggested Clause: The Appliance should support 8x1GbE copper ports, 8 X 10G SFP+ Ports from Day 1 (scalable to 16 X 1G Copper/16 X 10G SFP+ on the same hardware) & dual power supply. Proposed Appliance should have Multi-Core CPU with Minimum 64Gb of RAM from Day 1 and support upto 256 Gb for Future use.</p>	<p>The Appliance should support 8x1GbE copper ports, 8 X 10G SFP+ Ports from Day 1 (scalable to 16 X 1G Copper, 16 X 10G SFP+ on the same hardware) & dual power supply</p>	<p>No Change , DC-DR Solution designed as per Concor requirement</p>

v	80	<p>This Clause is restricting us to Participate. Being an Industry leader we request you to include Industry Standard Certification. It should be considered in order to have benchmark and get healthy competition among the Industry Technology Leaders. Please note that Gartner Leader Quadrant qualifies 3 OEM's. for the ADC.</p> <p>Suggested Clause: OEM should be from the Top 5 vendors in terms of revenue and market share as per the latest India IDC quarterly report for ADC category OR Present in Gartner's Leaders Quadrant as per latest Published report for Application Delivery Controllers.</p>	<p>OEM should be from the Top 5 vendors in terms of revenue and market share as per the latest India IDC quarterly report for ADC category and present in Gartner's Latest Market Guide for Application Delivery Controllers.</p>	<p>No Change , DC-DR Solution designed as per Concor requirement</p>
w	80	<p>As per Industry Standard, DNS is not the Functionality of LLB. However, it can support resolution of A and AAAA records for GSLB Purpose. Hence we request you amend clause.</p> <p>Suggested Clause: The solution should support inbound load balancing algorithms like round robin, Weighted round robin, target proximity & dynamic detect. It should support advance functions Authoritative name sever, DNS proxy/DNS NAT, full DNS server with DNSEC, application load balancing from day one.</p>	<p>The solution should support inbound load balancing algorithms like round robin, Weighted round robin, target proximity & dynamic detect. It should support advance functions Authoritative name sever, DNS proxy/DNS NAT, full DNS server with DNSEC, DNS DDOS, application load balancing from day one. It should be capable of handling complete Full DNS bind records including A,MX, AAAA, CNAME, PTR, SOA etc.</p>	<p>No Change , DC-DR Solution designed as per Concor requirement</p>
x	80	<p>As per Industry Standard, DNS is not the Functionality of LLB. However, it can support resolution of A and AAAA records for GSLB Purpose. Hence we request you amend clause.</p> <p>Suggested Clause: It should support advance functions Authoritative name sever, DNS proxy/DNS NAT, full DNS server with DNSEC, application load balancing from day one.</p>	<p>It should support advance functions Authoritative name sever, DNS proxy/DNS NAT, full DNS server with DNSEC, DNS DDOS, application load balancing from day one. It should be capable of handling complete Full DNS bind records including A, MX, AAAA, CNAME, PTR, SOA etc.</p>	<p>No Change , DC-DR Solution designed as per Concor requirement</p>
y	81	<p>This Clause favours a Particular OEM. Hence we request you to generalize the Clause.</p> <p>Suggested Clause: The solution should support Stateful session failover when deployed in HA mode. The solution automatic as well as manual synchronization of Configuration between High Availability Device.</p>	<p>The solution should support Stateful session failover with N+1 clustering support when deployed in HA mode. The solution should support USB based FFO cable to synchronize configuration at boot time of HA</p>	<p>No Change , DC-DR Solution designed as per Concor requirement</p>
		<p>The device should support true Virtualization feature which virtualize device resource including management, Operating system, CPU resources, Memory and acceleration resource. This provides Virtual function with its own environment, own Operating System (which may differ from other Virtual Function), own management Access.</p> <p>Suggested Clause:</p>		

z	New Clause Request	<p>The proposed device should be a dedicated purpose-built hardware Load Balancer appliance.</p> <p>The proposed device should have Virtualization feature that virtualizes the Device resources—including CPU, memory, network, and acceleration resources.</p> <p>Each virtual instance contains a complete and separated environment of the Following:</p> <p>a) Resources, b) Configurations, c) Management, d) OS</p> <p>The device should support up to 32 virtual instances.</p>	New Clause Request	No change required.
Tender Clause No & Pg No		<p style="text-align: center;">2. Technical specifications: A) Specification of the Hardware and Software (on-Premise) 16. Link Load balancer</p>		
Link Load balancer				
Pg No		Vendor Query	RFP Specification	Amended Clause/Concor Reply
aa	94	<p>The device should support Virtualization feature which virtualize device resource including management, Operating system, CPU resources, Memory and acceleration resource. This provides Virtual function with its own environment, own Operating System (which may differ from other Virtual Function), own management Access.</p> <p style="text-align: center;">Suggested Clause: The proposed device should be a dedicated purpose-built hardware Load Balancer appliance. It should not be a part of UTM, Firewall module or Router functionality. The proposed device should have Virtualization feature that virtualizes the Device resources—including CPU, memory, network, and acceleration resources. Each virtual instance contains a complete and separated environment of the Following: b) Configurations, c) Management, d) OS The device should support up to 32 virtual instances.</p>	The proposed device should be a dedicated purpose-built hardware Load Balancer appliance. It should not be a part of UTM, Firewall module or Router functionality.	No Change , DC-DR Solution designed as per Concor requirement
ab	94	<p>As per Industry Standard, DNS is not the Functionality of LLB. However, it can support resolution of A and AAAA records for GSLB Purpose. Hence we request you to delete this clause.</p> <p style="text-align: center;">Suggested Clause: Kindly Remove this Clause.</p>	LLB should be able to operate as authoritative server for A, MX, NS, PTR, CNAME records and should support the following DNS Response parameters: · DNS Response TTL · more than one Records in DNS Reply	No Change , DC-DR Solution designed as per Concor requirement
ac	95	<p>Clustering is not relevant for Link load balancing Functionality. However device should Support VRRP for High Availability. Hence, We request you to amend Clause.</p> <p style="text-align: center;">Suggested Clause: Should support Virtual Router Redundancy Protocol (VRRP—RFC 2338) for redundancy</p>	Should support Virtual Router Redundancy Protocol (VRRP—RFC 2338) for redundancy. The Solution should support N+1 Mode of HA where 1 Cluster should be able to accommodate up to 32 Nodes.	No Change , DC-DR Solution designed as per Concor requirement

ad	New Clause Request	Industry Standard Certification should be considered in order to have benchmark and get healthy competition among the Industry Technology Leaders. Please note that Gartner Leader Quadrant qualifies 3 OEM's. for the ADC. Suggested Clause: OEM should be present in Gartner's LEADER magic quadrant for ADC in the latest published report .	New Clause Request	No Change , DC-DR Solution designed as per Concor requirement
-----------	---------------------------	---	---------------------------	--

2	M/s MotaData Mind Array System			
	RFP Volume Section and sub-section	Tender No. CON/IT/1261/20/01, 2. Technical specifications:, A) Specification of the Hardware and Software (on-Premise), 20. EMS/NMS for DR Site		
	Pg No	Vendor Query	RFP Specification	Amended Clause/Concor Reply
		<p>The given sub-section of Security Parameters are not applicable for Scope of 'EMS ' and related API integration touch points. These points seems proprietary and may support one OEM.</p> <p>We strongly recommend you to remove these points to make level playing field for Indian OEMs like us.</p> <p>We would request you to please rectify the mentioned points from EMS section of RFP so that misinterpretation may not happen.</p>	<p>EMS should take care of below Security parametres for API management:</p> <ul style="list-style-type: none"> ☑ The proposed solution should Protects against threats, OWASP vulnerabilities and controls access with Single Sign-On and identity management, providing end-to-end security for apps, mobile, and IoT. ☑ The proposed solution should support for industry standard cryptographic algorithms (Triple DES, AES, SHA, RSA etc.) ☑ The proposed solution should Passed rigorous vulnerability tests, and integrates with any popular IAM system with support for OAuth, SAML and RADIUS. ☑ The proposed solution should be PCI-DSS compliant, and includes a built-in PKI engine, FIPS 140-2 level encryption, a robust RBAC system, and SAML support. ☑ The proposed solution should be able to support OAuth, OpenID Connect, SAML, X.509 	

a	Page no. 100-101		<p style="text-align: center;">certificates, LDAP , HTTP</p> <p>basic, digest, SSL client-side certificate authorization etc. The proposed solution should be able to Integrate with enterprise identity, access, SSO and federation systems, LDAP, Microsoft Active Directory®/Federated Services, Oracle® Access Manager, IBM Tivoli® (TAM and TFIM), RSA ClearTrust, Sun Java™ Access Manager and Novell Access Manager etc.</p> <ul style="list-style-type: none"> ☐ The proposed solution should be STIG tested ,PCI DSS certified , FIPS compliance and Common Criteria certification and other industry level certification and compliancy standards. ☐ The proposed solution should be able to do threat detection and message content filtering. ☐ The proposed solution should be able to protect against cross-site scripting (XSS), injection attacks (Xpath SQL , XQuery etc.) and DoS attacks. ☐ The proposed solution should, be able detect and filter for sensitive/confidential content with subsequent scrubbing, rejection or redaction of messages. <ul style="list-style-type: none"> ☐ The proposed solution should support protection against viruses. ☐ The proposed solution should support features to track failed authentications and/or violations to identify and report patterns and potential threats. 	No Change , DC-DR Solution designed as per Concor requirement
	RFP Volume Section and sub-section	Tender No. CON/IT/1261/20/01, 3. TECHNICAL COMPLIANCE AND COMPLIANCE TO SCOPE OF WORK, A) Compliance to the Hardware and Software Specifications (on-premise), 20. EMS/NMS for DR Site		
	Pg No	Vendor Query	RFP Specification	Amended Clause/Concor Reply
		These same points repeated		

under different section.
The given sub-section of Security Parameters are not applicable for Scope of 'EMS ' and related API integration touch points. These points seems proprietary and may support one OEM.

We strongly recommend you to remove these points to make level playing field\

for Indian OEMs like us. We would request you to please rectify the mentioned points from EMS section of RFP so that misinterpretation may not happen.

EMS should take care of below Security parametres for API management:
☐ The proposed solution should Protects against threats, OWASP vulnerabilities and controls access with Single Sign-On and identity management, providing end-to-end security for apps, mobile, and IoT.

☐ The proposed solution should support for industry

standard cryptographic algorithms (Triple DES, AES, SHA, RSA etc.)

☐ The proposed solution should Passed rigorous vulnerability tests, and integrates with any popular IAM system with support for OAuth, SAML and RADIUS.

☐ The proposed solution should be PCI-DSS compliant, and includes a built-in PKI engine, FIPS 140-2 level encryption, a robust RBAC system, and SAML support.

☐ The proposed solution should be able to support OAuth, OpenID Connect, SAML, X.509 certificates, LDAP , HTTP basic, digest, SSL client-side certificate authorization etc.

☐ The proposed solution should be able to Integrate with enterprise identity, access, SSO and federation systems, LDAP, Microsoft Active Directory®/Federated Services, Oracle® Access Manager, IBM Tivoli® (TAM and TFIM), RSA ClearTrust, Sun Java™ Access Manager and Novell Access Manager etc.

No Change ,
DC-DR Solution
designed as per
Concor requirement

b

- ☐ The proposed solution should be STIG tested ,PCI DSS certified , FIPS compliance and Common Criteria certification and other industry level certification and compliancy standards.
- ☐ The proposed solution should be able to do threat detection and message content filtering.
- ☐ The proposed solution should be able to protect against cross-site scripting (XSS), injection attacks (Xpath SQL , XQuery etc.) and DoS attacks.
- ☐ The proposed solution should, be able detect and filter for sensitive/confidential content with subsequent scrubbing, rejection or redaction of messages.
 - ☐ The proposed solution should support protection against viruses.
 - ☐ The proposed solution should support features to track failed authentications and/or violations to identify and report patterns and potential threats.

3				
M/s VmWare Software				
	Pg No	Vendor Query	RFP Specification	Amended Clause/Concor Reply
a	96	<p>Clarification – Oracle Linux can be run on vSphere and Oracle has an official support statement for Vmware vSphere. The link provided confirms the same on the- https://www.vmware.com/content/dam/digitalmarketing/vmware/en/pdf/whitepaper/solutions/oracle/understanding_oracle_certification_support_licensing_vmware_environments-white-paper.pdf</p> <p>Requested changes-</p> <p>The virtualization software shall be licensed for the entire server. Virtualization software shall provide a Virtualization layer that sits directly on the bare metal server hardware with no dependence on a general purpose OS for greater reliability and security. Virtualization software shall continuously monitor utilization across virtual machines and should intelligently allocate available resources among virtual machines. Virtualization software should provide proactive High availability capability that utilizes server health information and migrates VMs from degraded hosts before problem occurs. The solution capacity analytics should provide "What If" scenarios to identify the resource shortfall and do Capacity Planning for Future workload requirements. The solution shall have out of the box reporting features for current capacity usage, potential optimizations, physical resource availability, available headroom for expansion and system compliance to security / operational guidelines</p>	<p>Page No. - 96</p> <p>Item No - 18 (Compute Server for Software Services DR Site)</p> <p>Point – The virtualization software shall be licensed for the entire server. OVM</p>	<p>No Change , DC-DR Solution designed as per Concor requirement</p>
b	96	<p>Clarification - Oracle certified virtualization is only OVM so this is vendor-specific & Proprietary of Oracle</p> <p>Requested changes-</p> <p>Server recommended version for X86 is Oracle-supported virtualization for application instances and databases.</p>	<p>Page No. – 96</p> <p>Item No- 18 (Compute Server for Software Services DR Site)</p> <p>Point - Server recommended version for X86 is 3.3.2. Oracle certified virtualization for application instances and databases.</p>	<p>No Change , DC-DR Solution designed as per Concor requirement</p>
c	98	<p>Clarification - Kindly clarify the Qty -02 mentioned against this item as "Total of 1800 Licenses should be factored from day one is mentioned in the description"</p> <p>Requested changes-</p> <p>Kindly specify the total Qty of the Licenses required clearly in the tender.</p>	<p>Page No. – 98</p> <p>Item No- 19 (EDR for DR Site)</p>	<p>No Change , DC-DR Solution designed as per Concor requirement</p>

d	11,61,17,118	<p>Clarification - As you have requested for Virtualization capabilities for all intel servers (14 in Number), but the capability to manage this virtualized capacity and better utilise hypervisor/virtualized resources performance is missing in Intel servers specs. Although the same is asked in the RISC servers under OS section (Page 122, point 29.2 :- Provision to analyze system performance bottleneck in real-time). Without the stated capability the utilisation of your hardware will not be running into optimized mode.</p> <p>Requested changes-</p> <p>Proposed server should be supplied with Virtualization software (hypervisor) or full capacity. Virtualization software shall provide a Virtualization layer that sits directly on the bare metal server hardware with no</p> <p>dependence on a general purpose OS for greater reliability and security. Virtualization software shall continuously monitor utilization across virtual machines and should intelligently allocate available resources among virtual machines. Virtualization software should provide proactive High availability capability that utilizes server health information and migrates VMs from degraded hosts before problem occurs. The solution capacity analytics should provide "What If" scenarios to identify the resource shortfall and do Capacity Planning for Future workload requirements. The solution shall have out of the box reporting features for current capacity usage, potential optimizations, physical resource availability, available headroom for expansion and system compliance to security/operational guidelines</p>	<p>Page No. – 116, 117,118 Item No- 30, 31, 32, 33 (Intel x86 Server for Windows Workloads in MZ / DMZ)</p> <p>Point - Proposed server should be supplied with Virtualization software (hypervisor) or full capacity.</p>	<p>No Change , DC-DR Solution designed as per Concor requirement</p>
---	--------------	---	---	---

e	121	<p style="text-align: center;">Clarification-</p> <p>As you have requested for Virtualization capabilities for all intel servers (14 in Number), but the capability to manage this virtualized capacity and better utilise hypervisor/virtualized resources performance is missing in Intel servers specs. Although the same is asked in the RISC servers under OS section (Page 122, point 29.2 :- Provision to analyze system performance bottleneck in real-time). Without the stated capability the utilisation of your hardware will not be running into optimized mode</p> <p style="text-align: center;">Requested changes-</p> <p>Proposed server should be supplied with Virtualization software (hypervisor) or full capacity. Virtualization software shall provide a Virtualization layer that sits directly on the bare metal server hardware with no dependence on a general purpose OS for greater reliability and security. Virtualization software shall continuously monitor utilization across virtual machines and should intelligently allocate available resources among virtual machines. Virtualization software should provide proactive High availability capability that utilizes server health information and migrates VMs from degraded hosts before problem occurs. The solution capacity analytics should provide "What If" scenarios to identify the resource shortfall and do Capacity Planning for Future workload requirements.</p> <p>Kindly look in to the above suggested changes that would be beneficial for your organisation in building a world class Data centre.</p>	<p style="text-align: center;">Page No. – 121 Item No- 37 (Standby Intel Server)</p> <p>Point - Proposed server should be supplied with Virtualization software (hypervisor) or full capacity.</p>	<p style="text-align: center;">No Change , DC-DR Solution designed as per Concor requirement</p>
---	-----	---	---	--

4	M/s TCIL			
	Document Clause / Criteria/ Page No	Vendor Query	RFP Specification	Amended Clause/Concor Reply
a	Annexure –A (Consortium / 10)	As per this clause, Please confirm how many consortium partners are allowed apart from Lead Bidder? If more than one consortium is allowed then it is any restriction for the minimum percentage of turnover.	In case of consortium*, the average annual turnover shall be determined by adding together the average annual turnover of all the partners. However, the lead partner must have at least 60% of the minimum average annual turnover mentioned above.	As per Tender document
b	Section 4 – Compensation for Damages -- Performance bank guarantee/300 and Performance Security/ 18	As per our understanding both this clauses (Performance Bank Guarantee & Performance security) is referring to security amount which is 5% of the total contract value. Please confirm	<p>Performance Bank Guarantee: If the Principal has terminated the contract according to Section 3, or if the Principal is entitled to terminate the contract according to Section 3, the Principal shall be entitled to demand and recover from the Contractor liquidated damages of the Contract value or the amount equivalent to Performance Bank Guarantee.</p>	PBG & Performance Security should be considered same in this RFP
			<p>Performance Security: Bidder shall furnish the Performance Security for an amount of 5% of total contract value.</p>	As per Tender document

c	General (General/ 18)	As per this clause, Please confirm if TCIL participates in this tender as a Lead Bidder and we have consortium partner who is registered as MSME; in that case the Tender Fee and EMD is exempted to the Lead Bidder.	Bidders submitting their offer as MSE's registered for the item tendered shall be exempted from the tender document sale price and EMD only if they submit the current and valid registration certificate. Details of qualifying MSE's may be seen in Clause 16.4 of Section-III.	Exemption only if lead bidder/vendor/SI is MSME
---	-----------------------	---	---	---

5			M/s Sterlite Technologies Technologies																						
	Section ,Clause No PgNumber	Vendor Query	Content of the RFP requiring clarification	Amended Clause/Concor Reply																					
a	Section VI - 2.A.1.24 Pg-104	<p>Please share the addresses of GSP & CRIS. Also, please specify the type of BW required at each location i.e. MPLS/P2P. As per our understanding, the BW is required in below format:</p> <p>a. 300 Mbps P2P link from DR site to DC (Central) site - 4 Nos (2 Diff ISPs) for Database Replication</p> <p>b. 700 Mbps MPLS Backhaul at DR site (2 links diff. ISPs)</p> <p>c. 10 Mbps P2P link to GSP from DR site - 2 Nos</p> <p>d. 20 Mbps MPLS link at CRIS (2 Nos diff. ISPs)</p> <p>e. 20 Mbps Internet link (4 Nos diff. ISPs)</p>	<p>BW Details</p> <table border="1" data-bbox="905 310 1560 857"> <tr> <td data-bbox="905 310 947 391">24.</td> <td data-bbox="947 310 1451 391">Bandwidth details</td> <td data-bbox="1451 310 1560 391"></td> </tr> <tr> <td data-bbox="905 391 947 472"></td> <td data-bbox="947 391 1451 472">a) DC-DR Link for Replication ISP (min. 300 Mbps) (2 Different ISP)</td> <td data-bbox="1451 391 1560 472">04</td> </tr> <tr> <td data-bbox="905 472 947 553"></td> <td data-bbox="947 472 1451 553">b) DR Backhaul ISP1 (min. 700 Mbps) (2 Different ISP)</td> <td data-bbox="1451 472 1560 553">02</td> </tr> <tr> <td data-bbox="905 553 947 634"></td> <td data-bbox="947 553 1451 634">c) DR to GSP (10 Mbps) (dual links)</td> <td data-bbox="1451 553 1560 634">02</td> </tr> <tr> <td data-bbox="905 634 947 716"></td> <td data-bbox="947 634 1451 716">d) CRIS (ISP 1& ISP2) 50 Mbps</td> <td data-bbox="1451 634 1560 716">02</td> </tr> <tr> <td data-bbox="905 716 947 797"></td> <td data-bbox="947 716 1451 797">e) Internet Links 4no's from 2 IPS (20 MBPS from each ISP)</td> <td data-bbox="1451 716 1560 797">02</td> </tr> <tr> <td data-bbox="905 797 947 857"></td> <td data-bbox="947 797 1451 857">25. Enterprise Server for Database workloads</td> <td data-bbox="1451 797 1560 857">02</td> </tr> </table>	24.	Bandwidth details			a) DC-DR Link for Replication ISP (min. 300 Mbps) (2 Different ISP)	04		b) DR Backhaul ISP1 (min. 700 Mbps) (2 Different ISP)	02		c) DR to GSP (10 Mbps) (dual links)	02		d) CRIS (ISP 1& ISP2) 50 Mbps	02		e) Internet Links 4no's from 2 IPS (20 MBPS from each ISP)	02		25. Enterprise Server for Database workloads	02	<p>CRIS Office at Chanakyapuri New Delhi and GSP office at Ahmedabad . Detail address will be provided during delivery of bandwidth.</p>
24.	Bandwidth details																								
	a) DC-DR Link for Replication ISP (min. 300 Mbps) (2 Different ISP)	04																							
	b) DR Backhaul ISP1 (min. 700 Mbps) (2 Different ISP)	02																							
	c) DR to GSP (10 Mbps) (dual links)	02																							
	d) CRIS (ISP 1& ISP2) 50 Mbps	02																							
	e) Internet Links 4no's from 2 IPS (20 MBPS from each ISP)	02																							
	25. Enterprise Server for Database workloads	02																							
b	Section VI - 2.A.1.24 Pg-104	<p>The no of 300 Mbps replication links between DC and DR mentioned under this section is 4; while, as per Annex-3 calculation, there should be 2 links. Please clarify whether 2 or 4 no of links req. between DC and DR?</p> <p>Also, the no Internet links at DR mentioned in this section is 2; while, as per Annex-3 calculation, there should be 4 links. Please clarify whether 2 or 4 no of Internet links req. at DR?</p>	<p>BW Details</p> <table border="1" data-bbox="905 935 1598 1369"> <tr> <td data-bbox="905 935 947 1016">24.</td> <td data-bbox="947 935 1482 1016">Bandwidth details</td> <td data-bbox="1482 935 1598 1016"></td> </tr> <tr> <td data-bbox="905 1016 947 1097"></td> <td data-bbox="947 1016 1482 1097">a) DC-DR Link for Replication ISP (min. 300 Mbps) (2 Different ISP)</td> <td data-bbox="1482 1016 1598 1097">04</td> </tr> <tr> <td data-bbox="905 1097 947 1179"></td> <td data-bbox="947 1097 1482 1179">b) DR Backhaul ISP1 (min. 700 Mbps) (2 Different ISP)</td> <td data-bbox="1482 1097 1598 1179">02</td> </tr> <tr> <td data-bbox="905 1179 947 1260"></td> <td data-bbox="947 1179 1482 1260">c) DR to GSP (10 Mbps) (dual links)</td> <td data-bbox="1482 1179 1598 1260">02</td> </tr> <tr> <td data-bbox="905 1260 947 1341"></td> <td data-bbox="947 1260 1482 1341">d) CRIS (ISP 1& ISP2) 50 Mbps</td> <td data-bbox="1482 1260 1598 1341">02</td> </tr> <tr> <td data-bbox="905 1341 947 1422"></td> <td data-bbox="947 1341 1482 1422">e) Internet Links 4no's from 2 IPS (20 MBPS from each ISP)</td> <td data-bbox="1482 1341 1598 1422">02</td> </tr> <tr> <td data-bbox="905 1422 947 1448"></td> <td data-bbox="947 1422 1482 1448">25. Enterprise Server for Database workloads</td> <td data-bbox="1482 1422 1598 1448">02</td> </tr> </table>	24.	Bandwidth details			a) DC-DR Link for Replication ISP (min. 300 Mbps) (2 Different ISP)	04		b) DR Backhaul ISP1 (min. 700 Mbps) (2 Different ISP)	02		c) DR to GSP (10 Mbps) (dual links)	02		d) CRIS (ISP 1& ISP2) 50 Mbps	02		e) Internet Links 4no's from 2 IPS (20 MBPS from each ISP)	02		25. Enterprise Server for Database workloads	02	<p>DC-DR Replication Link - Qty required 2. and For Internet links in DR - QTY required 4,</p>
24.	Bandwidth details																								
	a) DC-DR Link for Replication ISP (min. 300 Mbps) (2 Different ISP)	04																							
	b) DR Backhaul ISP1 (min. 700 Mbps) (2 Different ISP)	02																							
	c) DR to GSP (10 Mbps) (dual links)	02																							
	d) CRIS (ISP 1& ISP2) 50 Mbps	02																							
	e) Internet Links 4no's from 2 IPS (20 MBPS from each ISP)	02																							
	25. Enterprise Server for Database workloads	02																							

c	Section VI - 2.A.I.24 - Pg-104	Please specify if the new MPLS links at DR and other sites would be part of existing MPLS cloud or there would be new MPLS cloud for new links at DR and other sites (CRIS etc.)?	<p>BW Details</p> <table border="1"> <tr> <td>24.</td> <td>Bandwidth details</td> <td></td> </tr> <tr> <td></td> <td>a) DC-DR Link for Replication ISP (min. 300 Mbps) (2 Different ISP)</td> <td>04</td> </tr> <tr> <td></td> <td>b) DR Backhaul ISP1(min. 700 Mbps) (2 Different ISP)</td> <td>02</td> </tr> <tr> <td></td> <td>c) DR to GSP (10 Mbps) (dual links)</td> <td>02</td> </tr> <tr> <td></td> <td>d) CRIS (ISP 1& ISP2) 50 Mbps</td> <td>02</td> </tr> <tr> <td></td> <td>e) Internet Links 4no's from 2 IPS (20 MBPS from each ISP)</td> <td>02</td> </tr> <tr> <td>25.</td> <td>Enterprise Server for Database workloads</td> <td>02</td> </tr> </table>	24.	Bandwidth details			a) DC-DR Link for Replication ISP (min. 300 Mbps) (2 Different ISP)	04		b) DR Backhaul ISP1(min. 700 Mbps) (2 Different ISP)	02		c) DR to GSP (10 Mbps) (dual links)	02		d) CRIS (ISP 1& ISP2) 50 Mbps	02		e) Internet Links 4no's from 2 IPS (20 MBPS from each ISP)	02	25.	Enterprise Server for Database workloads	02	No Change , DC-DR Solution designed as per Concor requirement
24.	Bandwidth details																								
	a) DC-DR Link for Replication ISP (min. 300 Mbps) (2 Different ISP)	04																							
	b) DR Backhaul ISP1(min. 700 Mbps) (2 Different ISP)	02																							
	c) DR to GSP (10 Mbps) (dual links)	02																							
	d) CRIS (ISP 1& ISP2) 50 Mbps	02																							
	e) Internet Links 4no's from 2 IPS (20 MBPS from each ISP)	02																							
25.	Enterprise Server for Database workloads	02																							
d	Tech Specifications 2. Technical specifications: l) Hardware, Software, Network and Security with one-year warranty, Licenses with first year ATS 20. EMS/NMS for DR Site - Pg-100	The clauses are mentioned under the requirement of EMS specification are pertaining to the security and not a feature EMS/NMS. Please clarify. Please also provide detailed specification for each NMS/EMS components.	<table border="1"> <tr> <td>EMS should take care of below Security parameters for API management:</td> <td></td> </tr> <tr> <td>• The proposed solution should Protects against threats, OWASP vulnerabilities and controls access with Single Sign-On and identity management, providing end-to-end security for Apps, mobile, and IoT.</td> <td></td> </tr> <tr> <td>• The proposed solution should support for industry standard cryptographic algorithms (Triple DES, AES, SHA, RSA etc.)</td> <td></td> </tr> <tr> <td>• The proposed solution should Passed rigorous vulnerability tests, and integrates with any popular IAM system with support for OAuth, SAML and RADIUS.</td> <td></td> </tr> <tr> <td>• The proposed solution should be PCI-DSS compliant, and includes a built-in PKI engine, FIPS 140-2 level encryption, a robust RBAC system, and SAML support.</td> <td></td> </tr> <tr> <td>• The proposed solution should be able to support OAuth, OpenID Connect, SAML, X.509 certificates, LDAP, HTTP basic, digest, SSL client-side certificate authorization etc..</td> <td></td> </tr> <tr> <td>• The proposed solution should be able to Integrate with enterprise identity, access, SSO and federation systems, LDAP, Microsoft Active Directory@/Federated Services, Oracle@ Access Manager, IBM Tivoli@ (TAM and TFIM), RSA Clear Trust, Sun Java™ Access Manager and Novell Access Manager etc..</td> <td></td> </tr> <tr> <td>• The proposed solution should be STIG tested, PCI DSS certified, FIPS compliance and Common Criteria certification and other industry level certification and compliancy standards.</td> <td></td> </tr> <tr> <td>• The proposed solution should be able to do threat detection and message content filtering.</td> <td></td> </tr> <tr> <td>• The proposed solution should be able to protect against cross-site scripting (XSS), injection attacks (Xpath SQL, XQuery etc..) and DoS attacks.</td> <td></td> </tr> </table> <p style="text-align: right; font-size: small;">Page 100 of 298</p>	EMS should take care of below Security parameters for API management:		• The proposed solution should Protects against threats, OWASP vulnerabilities and controls access with Single Sign-On and identity management, providing end-to-end security for Apps, mobile, and IoT.		• The proposed solution should support for industry standard cryptographic algorithms (Triple DES, AES, SHA, RSA etc.)		• The proposed solution should Passed rigorous vulnerability tests, and integrates with any popular IAM system with support for OAuth, SAML and RADIUS.		• The proposed solution should be PCI-DSS compliant, and includes a built-in PKI engine, FIPS 140-2 level encryption, a robust RBAC system, and SAML support.		• The proposed solution should be able to support OAuth, OpenID Connect, SAML, X.509 certificates, LDAP, HTTP basic, digest, SSL client-side certificate authorization etc..		• The proposed solution should be able to Integrate with enterprise identity, access, SSO and federation systems, LDAP, Microsoft Active Directory@/Federated Services, Oracle@ Access Manager, IBM Tivoli@ (TAM and TFIM), RSA Clear Trust, Sun Java™ Access Manager and Novell Access Manager etc..		• The proposed solution should be STIG tested, PCI DSS certified, FIPS compliance and Common Criteria certification and other industry level certification and compliancy standards.		• The proposed solution should be able to do threat detection and message content filtering.		• The proposed solution should be able to protect against cross-site scripting (XSS), injection attacks (Xpath SQL, XQuery etc..) and DoS attacks.		No Change , DC-DR Solution designed as per Concor requirement	
EMS should take care of below Security parameters for API management:																									
• The proposed solution should Protects against threats, OWASP vulnerabilities and controls access with Single Sign-On and identity management, providing end-to-end security for Apps, mobile, and IoT.																									
• The proposed solution should support for industry standard cryptographic algorithms (Triple DES, AES, SHA, RSA etc.)																									
• The proposed solution should Passed rigorous vulnerability tests, and integrates with any popular IAM system with support for OAuth, SAML and RADIUS.																									
• The proposed solution should be PCI-DSS compliant, and includes a built-in PKI engine, FIPS 140-2 level encryption, a robust RBAC system, and SAML support.																									
• The proposed solution should be able to support OAuth, OpenID Connect, SAML, X.509 certificates, LDAP, HTTP basic, digest, SSL client-side certificate authorization etc..																									
• The proposed solution should be able to Integrate with enterprise identity, access, SSO and federation systems, LDAP, Microsoft Active Directory@/Federated Services, Oracle@ Access Manager, IBM Tivoli@ (TAM and TFIM), RSA Clear Trust, Sun Java™ Access Manager and Novell Access Manager etc..																									
• The proposed solution should be STIG tested, PCI DSS certified, FIPS compliance and Common Criteria certification and other industry level certification and compliancy standards.																									
• The proposed solution should be able to do threat detection and message content filtering.																									
• The proposed solution should be able to protect against cross-site scripting (XSS), injection attacks (Xpath SQL, XQuery etc..) and DoS attacks.																									
e	Tech Specifications 39. SAN Switch for Standby Pg-121	What is the purpose of standby SAN Switch. Please clarify.	Each SAN Switch should be supplied with below configuration - As per the solution offered / requirement	No Change , DC-DR Solution designed as per Concor requirement																					

f	Tech Specifications 36. Standby Server for Oracle Financial, Mailing and Integration 37. Standby Intel Server - Pg-119 & 121	What is the purpose of standby Server? Where it will be deployed? Please clarify.	Standby Server for Oracle Financial, Mailing and Integration Standby Intel Server	No Change , DC-DR Solution designed as per Concor requirement
g	Tech Specifications 13. Fabric Architecture for DR Site - Pg-192	We understand that the workload movement within or across the site is applicable for windows/linux workload, it is not applicable for RISC/EPIC based workload	Flexibility: Should allow workload mobility anywhere in the CENTRAL SITE, across the CENTRAL SITE	No Change , DC-DR Solution designed as per Concor requirement
h	Section VI - 2.A.I.10 Pg.-83	It is understood that the uplink port distance from Leaf switches will not be more than 500 meters as the ports are to be populated with multimode modules, please confirm if the understanding is correct?	a) 48 x 1G/10G/25G Multi Mode Fiber Interface populated with 48*10G multi- mode interfaces b) 6 x 40G/ 100G ports fully populated using multimode 40G Trancievers, for uplink connectivity	No Change , DC-DR Solution designed as per Concor requirement (it is clarified that the DR Physical dimensions are less than 500 Mtr.)
i	General	We understand the SIEM Solution is existing security management tool at DC. Please clarify how the DR Solution for SIEM is envisaged as it is not mentioned in DR specification requirement.	SIEM Solution	No Change , DC-DR Solution designed as per Concor requirement

j	General	<p>As the RFP asking for SDWAN router (edge device) for DR, We assume that the same will be centrally managed at DC through existing SDWAN controller and all licenses has been factored in with in the existing scope.</p> <p>We understand the SDWAN Controller Solution is a existing management tool at DC. Please clarify how the DR Solution for SDWAN Controller is envisaged as it is not mentioned in DR specification requirement.</p>	SDWAN Controller & Orchestration	No Change , DC-DR Solution designed as per Concor requirement
k	General	Please provide the Quantity of Application/DB/OS licenses required in DR under the scope of this/new RFP in order to avoid any mistake in price bid	Supply & Replication these application including databases, Web logic, Citrix in co-ordination with Application Vendor.	No Change , DC-DR Solution designed as per Concor requirement
l	General	Our understanding is that the replication between DC-DR will ne in Async mode. Please confirm	Data should be in sync/async between DC & Standby and DC & DR respectively	No Change , DC-DR Solution designed as per Concor requirement
m	Tech Specifications Video Wall for DR Site - Pg-101	Request you to provide exact number of panel (Video wall)	Panel: No of panel- 6 to 8 depending on the wall size	No Change , DC-DR Solution designed as per Concor requirement
n	General - Pg-101	<ol style="list-style-type: none"> 1. Requesting to provide video wall controller specification? 2. Controller is considered with redudant system, kindly confirm. 	Video wall Controller	No Change , DC-DR Solution designed as per Concor requirement
o	Tech Specifications Video Wall for DR Site - Pg-208	It seems video wall mentioned on page 208 is similar to the requirement of video wall on page no 101. If our understanding is clear, we would request you to please delete it from one of the sections.	Video wall for DR	No Change , DC-DR Solution designed as per Concor requirement

p	General	Bidder is considering that passive infrastructure(Cooling, Power, Safety measures etc.) will be provided by CONCOR. Kindly confirm.	Passive infrastructure	No Change , DC-DR Solution designed as per Concor requirement
q	(V) Recurring Charges (annually) - Pg-28	As per this clause, we understand that in lateral case, SI doesn't need to submit any bank gurantee	AMC (including on-site support) and ATS (Annual subscription) Charges: 100% advance against Advance Bank Guarantee towards advance of 100% of AMC (including on-site support) and ATS Charges. OR The AMC (including on-site support) and ATS (Annual subscription) Charges can be released quarterly/half-yearly (as per the requirement of the vendor) after rendering the services and submission of invoice.	Bank Guarntee will only be required for 100% AMC/ATS Advance Payments.
r	Section -V,8 - Pg-30	1. We understand that SI will consider 4.5 resource for 24x7x365 consideration and same should be gouted in the bid. Request you to please verify whether all the bidders have done the same compliances or not. 2. We recommend that calls should be routed directly to OEM call centre/support centre and in case any breach, it should be routed to SI.	During the Warranty and AMC and ATS period, the Supplier / Service Provider should provide round the clock onsite support i.e. 24*7*365 (including Saturday, Sunday and all Holidays) for the entire system including hardware and software in order to maintain the required uptime. All the calls will be communicated to your local office through telephone. A response time of a maximum of 2 hrs. is required (including 1 hrs to rectify the problem under all circumstances). It would be the responsibility of Supplier/ Service Provider to ensure the desired uptime (mentioned at s.no. 10 (below)) to avoid any LD.	As per Tender document
s	Section -V,9 - Pg-31	5 days time period is not logcial. The required competence resource with all the formality will require more time to finalize. Request you to change it to 15 days.	The resources for these shifts will be selected at Corporate Office based on the CV submitted by vendor within 5 days of receipt of purchase order for the scope of work mentioned in this tender.	The resources for these shifts will be selected at Corporate Office based on the CV submitted by vendor within 15 days of receipt of purchase order for the scope of work mentioned in this tender.

t	Section -V,10 - Pg-32	The genuine cases of absense should not considered as interruption of service. Please consider this case to case basis, else for a back up resource, the bid will be loaded more.	<p>Interruption in Service</p> <p>In case of interruption in services / non availability of on-site engineer from the Supplier/ Service Provider will be treated as downtime mentioned under S.no. 11 below and LD would be imposed as detailed in 'LD' at serial no. 12 below.</p>	No Change , DC-DR Solution designed as per Concor requirement
u	Section -V,12 - Pg-33	Request you to change the clause phrase from "OEM resource" to OEM certified resource. It will dilute the costing and bid will be not loaded much.	d) Bidder (Supplier/ Service Provider/System Integrator) will ensure the availability of specialised skilled from OEM resources on-site at CONCOR office in Delhi/Mihan, Nagpur within 24 hrs. after the requisition given by CONCOR for OEM-Man-days. If OEM resources is not provided within 24 hrs. (of requisition) then the LD of Rs. 100.00/- for every hour or part thereof exceeding 24 hrs. will be imposed for each case.	No Change , DC-DR Solution designed as per Concor requirement

6				
M/s NEC Technologies Ltd				
	RFP Volume, Section , Sub-Section & Pg No	Vendor Query	RFP Specification	Amended Clause/Concor Reply
a	Section V Special Conditions of Contract 19. Training & testing - Pg 34 & 35 of 298	Clarification required that Bidder (instead of vendor) will be providing the test plan for UAT activity.	"The vendor will be responsible for providing the test plan for UAT"	Bidder/Vendor/SI are same terms in this RFP
b	Section VI Technical Specifications, Scope of the work and Technical Compliance 1.2.1 Key Features for the proposed DR system -- (Pg 50 of 298)	It says proxy required but in Technical Specification there are no such devices which will work as proxy. Please confirm the requirement.	a. The CONCOR DR shall be designed to protect applications, services, data and the infrastructure from malicious attacks or theft from external (through internet) and internal (through intranet) hackers. Using security appliances, Firewalls, IPS, proxy etc., such attacks and theft should be controlled and well supported (and implemented) with the ISO 27001:2015 compliant security policy.	No Change , DC-DR Solution designed as per Concor requirement
c	Section VI Technical Specifications, Scope of the work and Technical Compliance 1.2.1 Key Features for the proposed DR system --(Pg 50 of 298)	Please consider if bidder need to consider additional storage for minimum 6 Month of logs required for future analysis and forensics	b. Security system logs should be properly stored & archived for future analysis and forensics whenever desired for minimum 6 months.	No Change , DC-DR Solution designed as per Concor requirement
d	Section VI Technical Specifications, Scope of the work and Technical Compliance 2. Technical Specifications 1) Hardware, Software, Network and Security with one-year warranty, Licenses with first year ATS 3. Web Application Firewall for DR - (Pg 66 of 298)	Every OEM has different (OS and Hardware) architecture to achieve desired performance. Eg windows need more compute compare to Linux to provide the desired performance, 4GB RAM and 4TB HDD is specific to single OEM. also please clarify why opensource software is required on WAF solution? Hence request to change the clause "The Proposed WAF Module should be a part of Next-Generation, Multi-Tenanted Platform. The Appliance should have minimum 64 GB RAM and 4 TB HDD or enough memory and HDD to achieve the WAF feature functionalities mentioned in WAF specification."	The Proposed WAF Module should be a part of Next-Generation, Multi-Tenanted Platform capable of installing and running third-party and open source software on the same appliance from Day 1. The Appliance should have minimum 64 GB RAM and 4 TB HDD.	No Change , DC-DR Solution designed as per Concor requirement
e	Section VI Technical Specifications, Scope of the work and Technical Compliance 2. Technical Specifications 1) Hardware, Software, Network and Security with one-year warranty, Licenses with first year ATS 3. Web Application Firewall for DR - (Pg 66 of 298)	In DC RFP WAF and Load Balancer must be same OEM. Hence request to change clause as "The proposed WAF module should be ICSA certified. WAF and Load Balancer should be from same OEM and WAF can be part of Server load Balancer or dedicated WAF from same OEM. WAF should not be white labeled product"	The proposed WAF module should be ICSA certified.	The proposed WAF module should be ICSA certified. WAF and Load Balancer should be from same OEM and WAF can be part of Server load Balancer or dedicated WAF from same OEM. WAF should not be white labeled product

f	<p>Section VI Technical Specifications, Scope of the work and Technical Compliance</p> <p>2. Technical Specifications</p> <p>1) Hardware, Software, Network and Security with one-year warranty, Licenses with first year ATS</p> <p>3. Web Application Firewall for DR - (Pg 66 of 298)</p>	<p>16 Virtual Instances are higher side and it is providing undue advantage to single OEM. Hence request to change clause as "The proposed device should have ADC-VX/Virtualization feature that virtualizes the Device resources—including CPU, memory, network, and acceleration resources. Each virtual instance contains a complete and separated environment of the Following:</p> <p>a) Resources b) Configurations, c) Management, d) OS</p> <p>☑ The Proposed device should support up to 8 Virtual Instances "</p>	<p>The proposed device should have ADC-VX/Virtualization feature that virtualizes the Device resources—including CPU, memory, network, and acceleration resources.</p> <p>☑ Each virtual instance contains a complete and separated environment of the Following:</p> <p>a) Resources b) Configurations, c) Management, d) OS</p> <p>☑ The Proposed device should support up to 16 Virtual Instances including the capability to install and run third-party and open source software on the same appliance.</p>	<p>No Change , DC-DR Solution designed as per Concor requirement</p>
g	<p>Section VI Technical Specifications, Scope of the work and Technical Compliance</p> <p>2. Technical Specifications</p> <p>1) Hardware, Software, Network and Security with one-year warranty, Licenses with first year ATS</p> <p>3. Web Application Firewall for DR - (Pg 66 of 298)</p>	<p>Every OEM use different protocol to achieve high availability hence request to change clause as "The proposed solution should support standard VRRP (RFC - 2338)/ HA for High Availability purpose."</p>	<p>☑ The proposed solution should support standard VRRP (RFC - 2338) for High Availability purpose (no proprietary protocol).</p>	<p>No Change , DC-DR Solution designed as per Concor requirement</p>
h	<p>Section VI Technical Specifications, Scope of the work and Technical Compliance</p> <p>2. Technical Specifications</p> <p>1) Hardware, Software, Network and Security with one-year warranty, Licenses with first year ATS</p> <p>3. Web Application Firewall for DR - (Pg 67 of 298)</p>	<p>This clause is the part of mode security where administrator need to inject manually. As per RFP specification and previous DC RFP concor is looking for WAF solution which automatically detect and protect application threat with combination of negative security model and positive security model. Hence request to change clause as "The proposed solution should have negative and positive security model with an option of BOT protection with CAPTCHA challenge and application layer encryption to detect and protect against browser based malware which can steal the credentials"</p>	<p>a) The proposed solution should integrate with Source code analysis solution that can identify vulnerabilities in technologies like Java, PHP, C# VB.Net, Python, C/C++. The proposed solution should provide report-based integration with the mentioned source code analysis solution to gain information on the vulnerability entry point, control flow and data flow of the vulnerable function.</p>	<p>No Change , DC-DR Solution designed as per Concor requirement</p>
i	<p>Section VI Technical Specifications, Scope of the work and Technical Compliance</p> <p>2. Technical Specifications</p> <p>1) Hardware, Software, Network and Security with one-year warranty, Licenses with first year ATS</p> <p>5. Load Balancer with SSLi for DR Site -- (Pg 71 of 298)</p>	<p>Every OEM has different (OS and Hardware) architecture to achieve desired performance. Eg windows need more compute compare to Linux to provide the desired performance, 4GB RAM and 4TB HDD is specific to single OEM. Hence request to change the clause " 64 GB RAM and 4 TB HDD or enough memory and HDD to achieve the feature functionalities mentioned in Load Balancer and WAF specification."</p>	<p>d) RAM: 64 GB, HDD: 4 TB</p>	<p>No Change , DC-DR Solution designed as per Concor requirement</p>

j	<p>Section VI Technical Specifications, Scope of the work and Technical Compliance</p> <p>2. Technical Specifications</p> <p>l) Hardware, Software, Network and Security with one-year warranty, Licenses with first year ATS</p> <p>5. Load Balancer with SSLi for DR Site -- (Pg 71 of 298)</p>	<p>Every OEM use different protocol to achieve high availability hence request to change clause as "Should support standard VRRP (RFC - 2338)/ HA for High Availability purpose."</p>	<p>Should Support standard VRRP (RFC - 2338)</p>	<p>No Change , DC-DR Solution designed as per Concor requirement</p>
k	<p>Section VI Technical Specifications, Scope of the work and Technical Compliance</p> <p>2. Technical Specifications</p> <p>l) Hardware, Software, Network and Security with one-year warranty, Licenses with first year ATS</p> <p>7. VPN Concentrator for DR SITE -- (Pg 75 of 298)</p>	<p>As per RFP WAF, Load Balancer and Link Load Balancer has dedicated specifications. Hence request to change clause as "The appliance should be high performance purpose built next generation multi-tenant hardware with Network function virtualization. The VPN solution can be proposed as part of Server load Balancer, Link Load Balancer, WAF solution or dedicated VPN solution."</p>	<p>The appliance should be high performance purpose built next generation multi-tenant hardware with Network function virtualization. The Appliance should support multiple network functions from Day 1 including SSL VPN, Server Load balancing, link load balancing, Web application Firewall network functions with dedicated hardware resources for each virtual instance. It should also support installing and running 3rd party & open source network functions on same appliance.</p>	<p>No Change , DC-DR Solution designed as per Concor requirement</p>
l	<p>Section VI Technical Specifications, Scope of the work and Technical Compliance</p> <p>2. Technical Specifications</p> <p>l) Hardware, Software, Network and Security with one-year warranty, Licenses with first year ATS</p> <p>7. VPN Concentrator for DR SITE -- (Pg 76 of 298)</p>	<p>Every OEM has different (OS and Hardware) architecture to achieve desired performance. Eg windows need more compute compare to Linux to provide the desired performance, 4GB RAM and 4TB HDD is specific to single OEM. also please clarify why opensource software is required on WAF solution? Hence request to change the clause "</p> <p>The appliance Should have 4 X 1G Copper & 4 X 10G SFP+ Interfaces. All the Fiber interfaces should be prepopulated from Day 1. The Appliance should have a minimum of 64 GB RAM, 2 TB HDD/SSD or enough memory and HDD to achieve the VPN feature functionalities mentioned in VPN specification with dual power supply ."</p>	<p>The appliance Should have 4 X 1G Copper & 4 X 10G SFP+ Interfaces. All the Fiber interfaces should be prepopulated from Day 1. The Appliance should have a minimum of 64 GB RAM, 2 TB HDD/SSD and dual power supply</p>	<p>No Change , DC-DR Solution designed as per Concor requirement</p>
m	<p>Section VI Technical Specifications, Scope of the work and Technical Compliance</p> <p>2. Technical Specifications</p> <p>l) Hardware, Software, Network and Security with one-year warranty, Licenses with first year ATS</p> <p>7. VPN Concentrator for DR SITE -- (Pg 76 of 298)</p>	<p>This clause is providing undue advantage to single OEM. VPN solution sizing is done based on concurrent users hence request to change clause as "The solution should support hardware accelerated 2048 RSA, 4096 bits RSA & ECC processing. The Appliance should support up to 4000 SSL TPS (RSA 2K Key) and up to 3000 ECC TPS (ECDSA P256)"</p>	<p>The solution should support hardware accelerated 2048 RSA, 4096 bits RSA & ECC processing. The Appliance should support up to 40,000 SSL TPS (RSA 2K Key) and up to 25,000 ECC TPS (ECDSA P256).</p>	<p>No Change , DC-DR Solution designed as per Concor requirement</p>

n	<p>Section VI Technical Specifications, Scope of the work and Technical Compliance</p> <p>2. Technical Specifications</p> <p>l) Hardware, Software, Network and Security with one-year warranty, Licenses with first year ATS</p> <p>7. VPN Concentrator for DR SITE -- (Pg 76 of 298)</p>	<p>Every OEM use different protocol to achieve high availability hence request to change clause as "The solution should support N+1 clustering with stateful session failover. HA/Clustering should be based on Standard VRRP (RFC 2338) or HA"</p>	<p>The solution should support N+1 clustering with stateful session failover. HA/Clustering should be based on Standard VRRP (RFC 2338) and no proprietary protocols shall be used for the same.</p>	<p>No Change , DC-DR Solution designed as per Concor requirement</p>
o	<p>Section VI Technical Specifications, Scope of the work and Technical Compliance</p> <p>2. Technical Specifications</p> <p>l) Hardware, Software, Network and Security with one-year warranty, Licenses with first year ATS</p> <p>9. Global Server Load Balancer -- (Pg 80 of 298)</p>	<p>As per RFP Global Server load balancer features has been asked in Load Balancer with SSLi specification and Link Load Balancer specifications. In any DC-DR global server load balancer can be use on either Load Balancer or Link Load Balancer. All ADC vendor support Global Server Load Balancer on Link Load Balancer and Load Balancer. Hence request to make it a part of either link load balancer and Load Balancer with SSLi solution. Request to change clause as "The appliance should be appliance-based solution with 64-bit Speed Core Architecture & purpose-built hardware for high performance and Global server load balancer can be part of Load Balancer with SSLi or Link Load Balancer"</p>	<p>The appliance should be appliance-based solution with 64-bit Speed Core Architecture & purpose-built hardware for high performance.</p>	<p>No Change , DC-DR Solution designed as per Concor requirement</p>
p	<p>Section VI Technical Specifications, Scope of the work and Technical Compliance</p> <p>2. Technical Specifications</p> <p>l) Hardware, Software, Network and Security with one-year warranty, Licenses with first year ATS</p> <p>9. Global Server Load Balancer -- (Pg 80 of 298)</p>	<p>The no of port asked is higher side, if we compare the port requirement of WAF, Load Balancer and other solution Global Server load balancer ports are high in number and GSLB need only single port to process the DNS traffic. Hence request to change clause as "The Appliance should support 4x1GbE copper ports, 4 X 10G SFP+ Ports from Day 1& dual power supply"</p>	<p>The Appliance should support 8x1GbE copper ports, 8 X 10G SFP+ Ports from Day 1 (scalable to 16 X 1G Copper, 16 X 10G SFP+ on the same hardware) & dual power supply</p>	<p>No Change , DC-DR Solution designed as per Concor requirement</p>
q	<p>Section VI Technical Specifications, Scope of the work and Technical Compliance</p> <p>2. Technical Specifications</p> <p>l) Hardware, Software, Network and Security with one-year warranty, Licenses with first year ATS</p> <p>9. Global Server Load Balancer - (Pg 80 of 298)</p>	<p>Every OEM use different protocol to achieve high availability hence request to change clause as "The solution should provide comprehensive and reliable support for high availability and N+1 clustering based on Per VIP based Active-active & active standby unit redundancy mode. The HA/Clustering should be based on Standard VRRP (RFC 2338)/HA"</p>	<p>The solution should provide comprehensive and reliable support for high availability and N+1 clustering based on Per VIP based Active-active & active standby unit redundancy mode. The HA/Clustering should be based on Standard VRRP (RFC 2338)</p>	<p>No Change , DC-DR Solution designed as per Concor requirement</p>

r	<p>Section VI Technical Specifications, Scope of the work and Technical Compliance</p> <p>2. Technical Specifications</p> <p>1) Hardware, Software, Network and Security with one-year warranty, Licenses with first year ATS</p> <p>24. Bandwidth details -- (Pg 104 of 298)</p>	<p>Please elaborate the requirement for GSP and internet connectivity required for the same.</p>	<p>c) DR to GSP (10 Mbps) (dual links)</p>	<p>No Change , DC-DR Solution designed as per Concor requirement</p>
s	<p>Section VI Technical Specifications, Scope of the work and Technical Compliance</p> <p>3. TECHNICAL COMPLIANCE AND COMPLIANCE TO SCOPE OF WORK</p> <p>A) Compliance to the Hardware and Software Specifications (on-premise)</p> <p>1) Hardware, Software, Network and Security with one-year warranty, Licenses with first year ATS</p> <p>3. Web Application Firewall for DR - (Pg 164 of 298)</p>	<p>The proposed WAF needs to be a dedicated appliance or can it be a part of ADC solution</p>	<p>3. Web Application Firewall for DR</p>	<p>The proposed WAF module should be ICSA certified. WAF and Load Balancer should be from same OEM and WAF can be part of Server load Balancer or dedicated WAF from same OEM. WAF should not be white labeled product</p>
t	<p>Section VI Technical Specifications, Scope of the work and Technical Compliance</p> <p>3. TECHNICAL COMPLIANCE AND COMPLIANCE TO SCOPE OF WORK</p> <p>A) Compliance to the Hardware and Software Specifications (on-premise)</p> <p>1) Hardware, Software, Network and Security with one-year warranty, Licenses with first year ATS</p> <p>9. Global Server Load Balancer -- (Pg 181 of 298)</p>	<p>Can we provide 2 appliances for the GSLB and 2 DNS Module License with LLB which will work as GSLB.</p>	<p>As per the RFP, they require 4 GSLB Appliance</p>	<p>No Change , DC-DR Solution designed as per Concor requirement</p>

Same as in 6€

u	<p>Section VI Technical Specifications, Scope of the work and Technical Compliance</p> <p>3. TECHNICAL COMPLIANCE AND COMPLIANCE TO SCOPE OF WORK</p> <p>A) Compliance to the Hardware and Software Specifications (on-premise)</p> <p>I) Hardware, Software, Network and Security with one-year warranty, Licenses with first year ATS</p> <p>16. Link Load Balancer -- (Pg 199 of 298)</p>	<p>Scalability of port on proposed device is favoring single OEM also in other solution like Load Balancer, WAF port scalability is not asked. Hence request to change clause as "Should support 4 x 10/100/1000 Base T Ports and 4 x 10 Gigabit Fiber SR Ports and dual power supply"</p>	<p>Should support 4 x 10/100/1000 Base T Ports and 4 x 10 Gigabit Fiber SR Ports scalable to 8 X 1G Copper and 8 X 10G SFP+ Ports on the same appliance</p>	<p>No Change , DC-DR Solution designed as per Concor requirement</p>
v	<p>Section VI Technical Specifications, Scope of the work and Technical Compliance</p> <p>3. TECHNICAL COMPLIANCE AND COMPLIANCE TO SCOPE OF WORK</p> <p>A) Compliance to the Hardware and Software Specifications (on-premise)</p> <p>I) Hardware, Software, Network and Security with one-year warranty, Licenses with first year ATS</p> <p>16. Link Load Balancer -- (Pg 199 of 298)</p>	<p>Every OEM use different protocol to achieve high availability hence request to change clause as "Should support Virtual Router Redundancy Protocol (VRRP—RFC 2338)/ HA for redundancy."</p>	<p>Should support Virtual Router Redundancy Protocol (VRRP—RFC 2338) for redundancy. The Solution should support N+1 Mode of HA where 1 Cluster should be able to accommodate up to 32 Nodes.</p>	<p>No Change , DC-DR Solution designed as per Concor requirement</p>
w	<p>Price Schedule Annexure 2 Total Cost of Bandwidth, Services and Support for 1st Year S.no 1 Bandwidth Detail a) DC-DR Link for replication ISP (Min 300 MBPS) (2 Different ISP) -- (Pg 283 of 298)</p>	<p>As per Description details it is mentioned min 300 MBPS from 2 Different ISP, Need confirmation on Qty Part as mismatch in unit price and total amount</p>	<p>As per RFP, qty mentioned is 4</p>	<p>Qty required 2.</p>

x	Price Schedule Annexure 2 Total Cost of Bandwidth, Services and Support for 1st Year S.no 1 Bandwidth Detail e) Internet Links 4no's from 2 IPS (20 MBPS from each ISP)-- (Pg 283 of 298)	As per Description details it is mentioned that 4 nos of links required from 2 Different IPS (20 MBPS Each), Need confirmation on Qty Part as mismatch in unit price and total amount	As per RFP, qty mentioned is 2	QTY required 4
Section VI Technical Specifications, Scope of the work and Technical Compliance 3. TECHNICAL COMPLIANCE AND COMPLIANCE TO SCOPE OF WORK A) Compliance to the Hardware and Software Specifications (on-premise) I) Hardware, Software, Network and Security with one-year warranty, Licenses with first year ATS 7. VPN Concentrator				
	Pg No	Vendor Query	RFP Specification	Amended Clause/Concor Reply
y	Pg 176 of 298	Would request you please modify the clause as "The appliance should be high performance purpose built next generation multi-tenant hardware. The Appliance should support multiple network functions from Day 1 including SSL VPN".	The appliance should be high performance purpose built next generation multi-tenant hardware with Network function virtualization. The Appliance should support multiple network functions from Day 1 including SSL VPN, Server Load balancing, link load balancing, Web application Firewall network functions with dedicated hardware resources for each virtual instance. It should also support installing and running 3rd party & open source network functions on same appliance	No Change , DC-DR Solution designed as per Concor requirement
z	Pg 176 of 298	Would request you please modify the clause as "The appliance Should have 4 X 1G Copper & 4 X 10G SFP+ Interfaces. All the Fibre interfaces should be prepopulated from Day 1. The Appliance should have a minimum of 64GB DRAM 200GB and dual power supply".	The appliance Should have 4 X 1G Copper & 4 X 10G SFP+ Interfaces. All the Fibre interfaces should be prepopulated from Day 1. The Appliance should have a minimum of 64 GB RAM, 2 TB HDD/SSD and dual power supply.	No Change , DC-DR Solution designed as per Concor requirement
aa	Pg 176 of 298	Would request you please modify the clause as "The SSL VPN Solution must Support 2,000 concurrent users from Day 1 and scalable up to 7500 concurrent users on same appliance through license upgrade"	The SSL VPN Solution must Support 2,000 concurrent users from Day 1 and scalable up to 20000 concurrent users on same appliance through license upgrade	No Change , DC-DR Solution designed as per Concor requirement
ab	Pg 176 of 298	Request you to delete this clause	The solution should support hardware accelerated 2048 RSA, 4096 bits RSA & ECC processing. The Appliance should support up to 40,000 SSL TPS (RSA 2K Key) and up to 25,000 ECC TPS (ECDSA P256).	No Change , DC-DR Solution designed as per Concor requirement
ac	Pg 177 of 298	Would request you please modify the clause as "The solution should support N+1 clustering with stateful session failover".	The solution should support N+1 clustering with stateful session failover. HA/Clustering should be based on Standard VRRP (RFC 2338) and no proprietary protocols shall be used for the same.	No Change , DC-DR Solution designed as per Concor requirement
ad	Pg 177 of 298	Request you to delete this clause	The solution should support URL masking of internal FQDN and IP addresses	No Change , DC-DR Solution designed as per Concor requirement

ae	Pg 177 of 298	Request you to delete this clause	The solution should maintain original server access control policies while accessing the file resources through VPN. The Solution should have the capability/ability (from Day1 or through License Upgrade) to warn or prevent users from sending password-protected Microsoft Office documents via email. The solution should provide a pre-built starter set of reports for the reporting database (in Excel) and Views and documentation to enable customers to write their own reports.	No Change , DC-DR Solution designed as per Concor requirement
af	Pg 178 of 298	Request you to delete this clause	The solution should be able to enforce data leakage protection policies for secure VDI to allow/deny copy-paste, clipboard, drive, port and print redirection. The Solution should support (either from Day 1 or through License Upgrade) the capability to track initial classification and reclassification events at both document and central logging level. The solution should trigger classification for document on Save, Save As, print etc. and should be configurable using a management mechanism	No Change , DC-DR Solution designed as per Concor requirement
ag	Pg 178 of 298	Can be achieved Through NAC Integration	The solution should support desktop publishing on IOS and Android phones along with device ID based authorization	No Change , DC-DR Solution designed as per Concor requirement
ah	Pg 178 of 298	Updated Clause: The solution should support following Authentication methods: a) Active Directory b) LDAP c) RADIUS d) Local database e) SAML g) SMS	The solution should support following Authentication methods: a) Active Directory b) LDAP c) RADIUS d) Local database e) SAML f) Google O-Auth Support g) SMS	No Change , DC-DR Solution designed as per Concor requirement
ai	Pg 178 of 298	The solution should able to restrict the user's logins based on MAC address and OS ID combinations and custom checks VPN authentication can be restricted based on MAC address and \OS version combinations and custom checks. Other parameters like Hard Disk and CPU ID are device specific and have no significance from VPN. If an alternate is needed certificate based authentication should be used.	The solution should able to restrict the user's logins based on Hard disk ID, MAC address, CPU ID and OS ID combinations and custom checks	No Change , DC-DR Solution designed as per Concor requirement
aj	Pg 178 of 298	HDD ID, CPU infor and OS to be deleted from this clause	The solution must provide machine authentication based on combination of HDD ID, CPU info and OS related parameters i.e. mac address to provide secure access to corporate resources.	No Change , DC-DR Solution designed as per Concor requirement

ak	Pg 178 of 298	Would request you please modify the clause as "The solution should provide provision for auto collect, auto approve functions for automated collection and approval of MAC ID's without any manual intervention"	The solution should provide provision for auto collect, auto approve functions for automated collection and approval of hardware ID's without any manual intervention	No Change , DC-DR Solution designed as per Concor requirement
al	Pg 179 of 298	Request you to delete this clause Reason : Having users to be authenticated or allowed manually when connecting over VPN directly results into productive loss and impacts the overall user experience and thus not at all recommended for VPN.	The solution must support workflow functionality that should allow security administrators to approve end user hardware machine before users can access the published resources	No Change , DC-DR Solution designed as per Concor requirement
am	Pg 179 of 298	Request you to delete this clause Reason : Hardware ID or popularly known as MAC ID can be binded too user on DHCP server and Firewall device can sync up with the DHCP server	The solution should provide option bind hardware ID's with group in addition to hardware ID mapping with users,	No Change , DC-DR Solution designed as per Concor requirement
an	Section VI Technical Specifications, Scope of the work and Technical Compliance 3. TECHNICAL COMPLIANCE AND COMPLIANCE TO SCOPE OF WORK A) Compliance to the Hardware and Software Specifications (on-premise) I) Hardware, Software, Network and Security with one-year warranty, Licenses with first year ATS 13. Fabric Architecture for DR Site - (Pg 192 of 298)	Request you to delete this clause	Multi-site design:- The fabric should support a Multi-Site/Multi-Fabric design to interconnect separate availability zones (fabrics), each deployed either as a single pod or multiple pods (a Multi-Pod design)	No Change , DC-DR Solution designed as per Concor requirement
ao	General (Clarification required)	Kindly clarify which application will be running on Hyper V and for which application separate window server and license are required. Kindly also mention the number of window servers and licenses required.		No Change , DC-DR Solution designed as per Concor requirement

7					M/s. Hitachi System Micro Clinic Pvt. Ltd.				
Section		26. Primary Storage System for Commercial Application at DR Location							
Page		Vendor Query		RFP Specification		Amended Clause/Concor Reply			
a	222	<p>Change To: Storage system with rack or rack-mount form: Dual Controller, 16 x 16 Gbps FC Ports, 4 x 10 Gbps Ports, 12 x 12Gbps SAS lanes/links for backend disk connectivity or NVMe over PCIe for backend bandwidth with minimum 1024GB cache across controllers, 50TB effective /usable capacity on NVMe Drives in Raid 5 Configuration with drive size should not exceed 4TB.</p> <p>Reason: Each backend port consists of 4 x 12 Gbps interfaces/links. Hence it is advised to mention 12 Gbps SAS / NVMe lanes/links instead of ports. Also the clause for storage replication from DC to DR should be removed if the bidder is planning to use host/application based replication</p>		<p>Storage system with rack or rack-mount form: Dual Controller, 16 x 16 Gbps FC Ports, 4 x 10 Gbps Ports, 12 x 12Gbps SAS ports for backend disk connectivity or NVMe over PCIe for backend bandwidth with minimum 1024GB cache across controllers, 50TB effective /usable capacity on NVMe Drives in Raid 5 Configuration with drive size should not exceed 4TB.</p> <p>The storage required for DR data replication mentioned at DC is of minimum required capacity and vendor has to propose it as per the required solution proposed by them to meet the objective of zero data loss.</p>		<p>Storage system with rack or rack-mount form: Dual Controller, 16 x 16 Gbps FC Ports, 4 x 10 Gbps Ports, 12 x 12Gbps SAS ports/lanes/links for backend disk connectivity or NVMe over PCIe for backend bandwidth with minimum 1024GB cache across controllers, 50TB effective /usable capacity on NVMe Drives in Raid 5 Configuration with drive size should not exceed 4TB.</p>			
b	223	<p>Change To: CPU: Minimum Broadwell E5-2618Lv4 10c/2.2GHz/75W, Total 40-core per storage system or higher</p> <p>Reason : The CPU model mentioned in the specification favours a particular OEM and hence request to change the same as suggested OR delete this clause.</p>		<p>CPU: Minimum 2 x dual-socket Intel Xeon E5-2650-v4 2.5 GHz 12 core, Total 48-core per storage system</p>		<p>No Change , DC-DR Solution designed as per Concor Requirement</p>			
c	224	<p>Change To: Must support NFS 2.0, NFS 3.0, NFS 4.0/4.1 / CIFS / SMB 3.0, FC, iSCSI, NDMP, Storage Analytics, Snapshots, Compression features. Licenses for these features should be factored from day1.</p> <p>Reason : Since the Solution needs Application/host based replication, hence there is no need of replication licenses from day one.</p>		<p>Must support NFS 2.0, NFS 3.0, NFS 4.0/4.1 / CIFS / SMB 3.0, FC, iSCSI, NDMP, Storage Analytics, Snapshots, Compression Replication features. Licenses for these features should be factored from day1.</p>		<p>No Change , DC-DR Solution designed as per Concor Requirement</p>			
d	224	<p>Change To: Storage Should have full licenses (snap, clone and restores) for point in time copy of volumes for reports, backup, etc.</p> <p>Reason : The Redirect-on-write snapshots (ROW) favours a particular OEM. Hence request to remove the ROW so that more number of OEMs can participate.</p>		<p>Storage Should have full licenses (snap, clone and restores) for point in time copy of volumes for reports, backup, etc. Snapshots are acceptable if using redirect on write technology to create copies. If copy on write is used (or variants) vendor to offer clone capability along with additional storage needed as per the requirements mentioned in above specs.</p>		<p>No Change , DC-DR Solution designed as per Concor Requirement</p>			

e	224	<p>Change To: Storage shall come with an on-premise dashboard that provides Basic performance characteristics like IOPS, Throughput, configuration related analytics and Storage health reporting for trending analysis</p> <p>Reason : SaaS dashboard is an OEM specific feature. Also it could be a compliance / regulatory / security issue for CONCOR considering the fact that CONCOR would not like is data/metadata to go out of its network and used for malicious purposes during cyber incidents.</p>	Storage OEM shall provide software-as-a-service cloud management dashboard that provides Basic performance characteristics like IOPS, Throughput, configuration related analytics and Storage health reporting for trending analysis	Storage shall come with an on-premise dashboard that provides Basic performance characteristics like IOPS, Throughput, configuration related analytics and Storage health reporting for trending analysis
f	224	<p>This is an OEM specific clause and hence should be removed.</p> <p>Reason : Not required in case of host/application based replication.</p>	In case native support is not there for FCIP additional redundant FCIP Routers shall be provided along with required licenses at no additional cost. The throughput of FCIP or Router should be at least 100 Gbps (with high availability and no single point of failure)	No Change , DC-DR Solution designed as per Concor requirement
g	224	<p>Storage should support different replication topologies like synchronous, Asynchronous, active-active (metro), 3 DC Zero Data Lag replication with cascade (Site A->Site B->Site C with conditional link between Site A and Site C) and concurrent (Site A-> Site B and Site A-> Site C with conditional link between Site B and Site C) topologies. The storage system should be flexible to implement and change replication topology on the fly without having to resynchronize entire data.</p> <p>Reason : The requirement for the storage replication licenses and replication ports should be removed since the solution is designed for Application based/database based replication for the optimization of BOQ.</p>	Should have storage to storage replication of data along with applicable licenses . Storage should support different replication topologies like synchronous, Asynchronous, active-active (metro), 3 DC Zero Data Lag replication with cascade (Site A->Site B->Site C with conditional link between Site A and Site C) and concurrent (Site A-> Site B and Site A-> Site C with conditional link between Site B and Site C) topologies. The storage system should be flexible to implement and change replication topology on the fly without having to resynchronize entire data. Replication ports required for solution should be factor additionally.	No Change , DC-DR Solution designed as per Concor Requirement
h	225	<p>Change To: Proposed Storage shall support software features with requisite license and hardware to enable snapshots/clones every 4 hours and retained for minimum 4 days. Array shall support functionality whereby even administrator cannot delete the snapshots/clones during retention period of 4 days.</p> <p>Reason : The Redirect-on-write snapshots (ROW) favours a particular OEM. Hence request to remove the ROW so that more number of OEMs can participate.</p>	Proposed Storage shall support software features with requisite license and hardware to enable snapshots/clones every 4 hours and retained for minimum 4 days. Array shall support functionality whereby even administrator cannot delete the snapshots/clones during retention period of 4 days. Snapshot should be read direct on write . If vendor uses any other snapshot technology, they should provide additional capacity for clones.	No Change , DC-DR Solution designed as per Concor Requirement
Section		28. Storage System for Other Applications		

	Page	Vendor Query	RFP Specification	Amended Clause/Concor Reply
i	NIL	<p>Change To: Storage system rack-mount form: Dual Controller, 4 x 16 Gbps FC Ports, 4 x 10 Gbps Ports, 2 x 4 lane 12Gb/s SAS ports for backend disk connectivity with minimum 192GB cache across controllers, 115TB usable on SSD in Raid5 Configuration with drive size should not exceed 4TB.</p> <p>Reason : Any storage with 256GB Cache would need max 2 Ports of 4 x 12Gbps SAS lanes each. Hence 8 x 12 Gbps SAS Lanes = 96 Gbps Backend throughput can be achieved with 2 ports which is more than enough for any midrange storage of 256 GB Cache. Also additional backend ports will not bring any performance benefit. Hence request to change the specification as requested.</p>	Storage system rack-mount form: Dual Controller, 4 x 16 Gbps FC Ports, 4 x 10 Gbps Ports, 4 x 12Gbps SAS ports for backend disk connectivity with minimum 192GB cache across controllers, 115TB usable on SSD in Raid5 Configuration with drive size should not exceed 4TB.	No Change , DC-DR Solution designed as per Concor Requirement
j	229	<p>Change To: CPU: Minimum 20 cores per Array, 2.2 GHz</p> <p>Reason : This is an OEM specific clause and hence should be changed or removed</p>	CPU: Minimum 2 x dual-socket Intel CPUs, 32 cores per Array, 1.8GHz	No Change , DC-DR Solution designed as per Concor requirement
k	229	<p>Change To: I/O: Minimum 4 x 16Gbps FC Front End Ports for Host/SAN Connectivity. 2 x 4 lane 12Gb/s SAS ports for BE (back end) Connection. Should scale up to 16 x 16Gbps FC ports.</p> <p>Reason : This clause favours a particular OEM. Also any storage with 256GB Cache would need max 2 Ports (8 x 12 Gbps SAS Lanes) = 96 Gbps Backend throughput. Also additional backend ports will not bring any performance benefit. Hence request to change the specification as requested.</p>	I/O: Minimum 4 x 16Gbps FC Front End Ports for Host/SAN Connectivity. 4 x 4 lane 12Gb/s SAS ports for BE (back end) Connection. Should scale up to 16 x 16Gbps FC ports.	No Change , DC-DR Solution designed as per Concor requirement
l	229	<p>Change To: <i>Minimum 4 x 10Gb SFP+ optical ports per storage array, as per the requirement of the overall solution.</i></p> <p>Reason : Please change the network port type (SFP+) as per the solution requirements.</p>	Minimum 4 x 10Gb SFP+ optical & 4 copper Ethernet ports per storage array.	No Change , DC-DR Solution designed as per Concor requirement

m	230	<p>Change To: Must support NFSv3, NFSv4, NFSv4.1; CIFS (SMB 1), SMB 2, SMB 3.0, SMB 3.02, and SMB 3.1.1; FTP and SFTP; FC, iSCSI, De-duplication, Storage Analytics, Snapshots, Compression. Licenses for these features should be factored from day1.</p> <p>Reason : Since the Solution needs Application/host based replication, hence there is no need of replication licenses from day one.</p>	<p>Must support NFSv3, NFSv4, NFSv4.1; CIFS (SMB 1), SMB 2, SMB 3.0, SMB 3.02, and SMB 3.1.1; FTP and SFTP; FC, iSCSI, De-duplication, Storage Analytics, Snapshots, Compression, Replication features. Licenses for these features should be factored from day1.</p>	<p>No Change , DC-DR Solution designed as per Concor requirement</p>
n	230	<p>Change To: Proposed storage array should be provided with Storage management software with single interface for managing all BLOCK and NAS Protocols. The storage system should have capability of tracking system and state information in real time in order to simplify debugging of hardware faults.</p> <p>Reason : Please remove "HTML 5" since this favours a particular OEM. Also the graphical depiction is from management software is again OEM Specific clause.</p>	<p>Proposed storage array should be provided with Storage management software which should be configured with HTML5 based graphical user interface and it should be configured with single interface for managing all BLOCK and NAS Protocols. The storage management software should display graphical depiction of storage hardware components with capability of tracking system and state information in real time in order to simplify debugging of hardware faults.</p>	<p>No Change , DC-DR Solution designed as per Concor Requirement</p>