PRE BID QUERIES

NIT No. : CMC/BY/23-24/RS/SkS/SS/31

NIT FOR SUPPLY AND INSTALLATION OF IT HARDWARE FOR SCADA SYSTEM

Sl.No.	Section Number	Page Number	Clause No.	Clause Details	Query	BSES Clarification
1	Section-I	08 of 72	3	**PART A : TECHNICAL BID** Subpoint:-12. **Type Test Reports**: Bidders shall submit the copy of type test reports in their technical bids in support of technical specifications	Validity of Type test report? Which type of Test report?	Testing report of the OEM performed on the hadware
2	Section-I	08 of 72	3	**PART A : TECHNICAL BID** Subpoint:-13. **Testing Facilities**: Bidder shall submit the details of testing facilities available at their works/factory.	If the valid Type test report is available still do the supplier/OEM required to perform the Testing?	No
3	Section-I	10 of 72	4	**Point No. 4.06** **Quantity Variation:** The purchaser reserves the rights to vary the quantity by +/- 30% of the tender quantity during the execution of the Contract/PO.	Clarify quantity variation on **individual Itemwise** qty. variation or **Overall Tender Value.**	It is clearly mention variation on quantity. It can be individual qty or total qty.
4	Section-IV	38 of 72	Table	**QUANTITY AND DELIVERY REQUIREMENT**	Under server configuration on page 38, **please specify the qty of CPU – 1 unit or 2 units per server.**	All servers are with one processor and processor number is already mentioned.
5	Section-IV	38 of 72	Table	**QUANTITY AND DELIVERY REQUIREMENT**	Under "Memory", please change it to **"DDR4 or better"**	Read it as DDR4 or better
6	Section-V	41 of 72	2	**2. Technical Specifications: Server Hardware**		
7	Section-V	41 of 72	2	**Server Processor :** must have 3rd Generation /4th Generation Intel Xeon Scalable Processors or better	CPU specified is of Intel 3rd Generation. **Can we offer equivalent processor in Intel 4th Gen**?	Only Intel 4th Gen CPU's as mentioned in BoQ
8	Section-V	41 of 72	2	**HBA:** As per BOQ, 2X single port FC HBA (16Gbps)	Since it's a 1U server with Single CPU, **can we provide 1 x Dual Port 16GB HBA instead of 2x Single Port HBA?**	No, 2x single port HBA are required
9	Section-V	41 of 72	2	**Server Base-IO:** 4x 1Gb RJ45 NIC ports in Redundant Cards; Support for 4 x USB ports & VGA interface	**We offer 2 x USB ports.** Request to kindly reduce the count to 2.	No change, 4xUSB Ports required
10	Section-V	41 of 72	2	**Server Management:** Support of built-in **intelligent management interface (eRMC)**. Simplified user experience with support of integrated infrastructure management utilities	please **remove "ERMC"** as this is OEM specific	Read it as server management port with all licenses to manage the server

11	Section-V	41 of 72	2	**Server System RAS Features and Serviceability:** Must deliver extreme reliability, availability, and serviceability (RAS), reaching availability level 4 (AL4) in IDC's High Availability framework. It should provide comprehensive RAS capability, including: -Firmware-first: architecture in analysing alerts, errors and taking actions -Analysis engine -Self-healing capabilities -Processor RAS: integrated with FW, OS and application comprehensive RAS capabilities, including corrupt data containment, PCIe live error containment, poison error containment, processor interconnect fault resiliency, and advanced MCA recovery -Memory RAS: proactive memory scrubbing & ADDDC -Platform RAS: for adaptive and self-healing routing capabilities	AL4 (fault-tolerant servers) generally refers to the combination of multiple hardware and software components that allows a near-instantaneous failover to alternate hardware/software resources so that business processing continues as before without interruption. However, the specs and requirement are for a standard x86 architecture. **Please help clarify AL4 requirements for x86 compute platforms**	Changed: AL4 is not required, Deleted
12	Section-V	42 of 72	2	**Storage:** Protocol support: SMB; NFS; iSCSI over Ethernet; HTTPS; FC; FTPS/SFTP	Partially Yes, **FTP/SFTP is not a safe protocol hence we don't support these protocols. Request to use separate FTP server for FTP access.**	Amended as "Protocol support: SMB; NFS; iSCSI over Ethernet; HTTPS; FC"
13	Section-V	45 of 72	4	**Point No. f)** **Subpoint No.-vii** H/W heat and POST testing etc.	Do the supplier/OEM required to **perform type testing** or to submit earlier test reports.	Earlier test reports will work. But it should be for the same nake & model.
14	Section-V	45 of 72	3	**Point No. f)** **Subpoint No.-ix** Deployment/installations of all respective licenses should be done by Business partner/Successful bidder and a minimum one audit of the same should be completed by capturing all details and should be signed off with BSES.	Do the supplier/OEM required to perform **cyber security audit?**	Yes, bidders required do get one testing related to cyber security at the time of finial installtion at Delhi
15	General Query				**There is SAN switch is not a part of RFP**, so is they will use existing SAN network or we have to considered new SAN infra.	SAN switch is not required and is not part of the RFP
16	GPS Time sync server	43	GPS Time Sync Server	LCD Display Point no. d-) LC Display x 2 nos	As per OEM, One system will have 1 nos. of LCD Display.	Amended as minimum one LCD display
17	SECTION – III	37	41	Documentation & Training	Kindly clarify the required training, i.e., number of days, batch size	Respective section has all details
18	SECTION – IV	38	12	Antivirus Server	Bidder is responsible for setting up the server upto OS level only. Installation or migration of antivirus application will be out of bidder's scope. Kindly clarify	Providing Antivirus software is not part of this RFP
19	SECTION – IV	39	21	Firewall	Kindly clarify the firewalls to be configured in HA	Yes, Firewalls will be configured in two pair of HA.
20	SECTION – V	43	1	GPS Time Sync Server	Please confirm the below: - Oscillator type - NTP/SNTP accuracy - NTP requests per sec	Should be Equipped with high precision OCXO crystal for frequency maintaining micro second level accuracy in case of non-availability of satellite signal.

21	SECTION – V	45	3	Deployment/installations of all respective licenses should be done by Business partner/ Successful bidder and a minimum one audit of the same should be completed by capturing all details and should be signed off with BSES.	Please confirm bidder need to perform VAPT audit and submit the report.	Bidders required do get one testing related to cyber security at the time of finial installtion at Delhi
22	SECTION – V	45	6	Hardware will be initially delivered and install at Bengaluru for Application FAT and after application FAT hardware needs to be re-pack, transported and finally installed at BYPL Delhi Office. List of hardware to be delivered to Bengaluru will be provided at the time of shipment of material.	It is understood that the supplied hardware will be re-packed and shipped to Delhi DC and no additional hardware will be added to the shipping list.	It will be the same hardware which is elivered to Bengaluru and no additioanl hardware will be added to shipping list
23	ANNEXURE – IV	62	4	i) Delivery of the items as per scope of supply within 45 days from the date of LOI/Purchase Order and to be delivered at Bengaluru.	The standard delivery time for hardware is 8-10 weeks and additional 2 weeks for installation, commissioning. Hence request BYPL to grant 12 weeks for supply & installation at Bengaluru DC.	Maximium delivery time which can be allowed is 60 days
24	19.0 Warranty & Support	29	19.5.	During warranty period the software must be covered with necessary minor or major upgrades (Software support and upgrade-Major i.e. Version and minor too)	Request you to pls confirm do bidder needs to provide software assurance in Operating system.	Incase of Microsoft paper licenses to be provided with default support. Incase of RHEL subscription with all support and upgrades.
25	2. Technical Specifications:	41	-	Network Switch 2. 2 x 10G Fiber SFP Transceiver	Request you to pls confirm whether bidder needs to provide Single mode or Multimode transceiver.	Transceivers should be Multimode
26	-	-	-	Delivery location	We are assuming that all components asked in the bid will be deployed at BYPL , Karkardooma	Finial delivery location will be at Delhi at two places. Details of the place will be provided before the time of delivery.
27	2.0 QUALIFICATION CRITERIA:-	6	TECHNICAL CRITERIA:-	The bidder should have experience in providing 24x7 Technical support service and should have in-house technical expertise.	Request you to pls share the skills required for the in-house technical expertise.	In-house technical experts should be be capable of troublshooting any system related issues like failures/ performance etc
28	Unified Storage	42	Unified Storage System:	Offered Storage Array shall be given with Minimum of 32GB cache per controller in a single unit	Offered Storage Array shall be given with Minimum of 64GB cache per controller in a single unit Justification: For better Reads and	Ok, Minimum requirement change to 64GB per controller
29	Unified Storage	42	Unified Storage System:	Software features: All licenses bundled like ransomware protection, replication, deduplication, Tamper-proof Snapshot, hardware	Software features: All licenses bundled like file level retention, replication, inline deduplication and compression, Snapshots and thin clones, Data at rest encryption etc.	All licenses including ransomware protection. Different OEM's would have different names.
30	8. WARRANTY &	47		Support should be 15 mins	As per standard Industrial Response time is 4 hours. Kindly change	No change. Response time should be 15 mins and resolution should be in 4 hrs.

	2. Technical Specifications:					
31	2. Technical Specifications:	43	IT/OT Firewall	New additional points		•Firewalls should be next generation firewall with IT/OT capabilities •Firewall should be capable with routing capabilities and support BGP protocol. •Must support scalability for 4*1G SFP and 2*10G Ports in future. •The Firewall must have inbuild SDWAN with ZTNA features for secure remote access to external partner for OT equipment's. •Next-Generation Firewalls OEM should be in Leader's magic quadrant as per latest report issued by Gartner issued for network firewalls. Report should be submitted with bid.
32	2. Technical Specifications:	42	Unified Storage System:	Change/New additional points		•**Change:** Drives – 8x15.3TB,NVMe Hot plug SSD under RAID 6 or equivalent. 64GB cache per controller making 128GB total. Ports: 4x32G FC HBA & 4x10G Fiber SFP+ LAN •**Addition:** Storage should be sized for minimum 1 lakhs IOPS on 80:20 read/write 8k block.
33	2. Technical Specifications:	43	Network Switch	New additional points		**Addition:** Stacking feature with cable to be available. Equivalent make with same features of other OEM can also be suggested/offered.
34	2. Technical Specifications:	43	Network Switch with 10G	New additional points		**Addition:** Stacking feature with cable to be available. Equivalent make with same features of other OEM can also be suggested/offered.
35	2. Technical Specifications:	44	Network Router	New additional points		**Addition:** Equivalent make with same features of other OEM can also be suggested/offered. Router configuration will be in scope of bider