

Minutes of Pre-Bid meeting (Invitation of E-Tender for Supply & Installation of Server, Storage and Networking Systems) held on 05-03-2021

The pre-bid meeting regarding E-tender invited by PRSC for Installation of Server, Storage and Networking Systems held on 05-03-2021 in online mode. The prospective bidders, who requested to attend the pre-bid meeting through e-mail, were sent the online meeting link. Few Vendors sent their queries through e-mail also. The meeting was started with introduction, followed by answering queries. Points discussed by all the Vendors have been given below response in item- wise manner.

After discussion of below points, Vendors were clarified on general prospective that if the product with exact specification is not available with the Vendor, they should quote product with nearest higher end specification for qualifying the technical bid.

S. No	Item	Page No.	Tender Item	Discussion
1.	Technical Qualification			
		10	Project Execution: The Bidder/ OEM for Server, Storage and Networking Systems must have executed at least two similar projects each having minimum value of 100 Lakhs for hardware supply (Server, Storage and Networking systems) and Maintenance support in Govt. Sector / PSUs / Banks during the last three years. Bidders have to upload proof i.e. Certificates of running / completion satisfactorily of these projects from respective clients. However, all startups recognized by Department of Promotion of Industry and Internal Trade subject to meeting of quality and technical specifications are relaxed from the condition of prior turnover and experience.	One of the vendors requested relaxation in technical qualification for MSMEs along with start-ups. PRSC told that the query will be reverted back after checking rules and policies. Query has been answered in corrigendum.
2.	OTHER TERMS & CONDITIONS			
		13	Delivery and Installation: The products as per desired	The Vendors in Pre-Bid meeting unanimously requested that

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			quantity and specifications as mentioned in Tender Document must be delivered within 15 days of award of supply order and further installation, integration and training must be completed within 15 days of acceptance of delivery.	the delivery period should be 5-7 weeks because the products may involve imported items. The request was considered and amended in corrigendum.
3.	Database Server			
		21	HDD: 512GB SSD or Higher with RAID 1 configuration and 1TB SAS or higher with RAID 5 (usable space after RAID configuration should be 1TB)	Vendors sought certain clarification on the Storage details i.e. regarding usable space and also requested that SSD size should be according to industry standards i.e. 240GB, 480GB, and 960GB. PRSC asked all the Vendors if the standard is same for all. To this all the Vendors collectively agreed so item was clarified in corrigendum.
		21	Server Management: Server must support clustered, highly available, high-volume configurations and support for load balancing and failover capability. Also it should support broad cross-platform support- Windows, Linux, AIX, Solaris, HP-UX and UNIX	Vendors requested removal of AIX, Solaris, HP-UX and UNIX from this item. After discussion among PRSC team, the point was considered and amended in corrigendum.
		21	Free Primary Memory Slots: Minimum 8	One of the vendors requested change to 24 DIMM slots. The point was not agreed upon by all the Vendors, so item was not changed but further clarified in corrigendum.
4.	Application/ Web Server			
		22	HDD: 512GB SSD or Higher with RAID 1 configuration and 1TB SAS or higher with RAID 5 (usable space after RAID configuration should be 1TB)	Vendors sought certain clarification on the Storage details i.e. regarding usable space and also requested that SSD size should be according to industry standards i.e. 240GB, 480GB, and 960GB. PRSC asked all the Vendors if the standard is same for all. To this all the Vendors collectively agreed so item was clarified in corrigendum.
		22	Server Management: Server must support clustered, highly available, high-volume configurations and support for load	Vendors requested removal of AIX, Solaris, HP-UX and UNIX from this item. After discussion among PRSC team, the point

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			balancing and failover capability. Also it should support broad cross-platform support- Windows, Linux, AIX, Solaris, HP-UX and UNIX.	was considered and amended in corrigendum.
		22	Free Primary Memory Slots: Minimum 8	One of the vendors requested change to 24 DIMM slots. The point was not agreed upon by all the Vendors, so item was not changed but further clarified in corrigendum.
5.	Backup Server			
		23	HDD: 512GB SSD or Higher with RAID 1 configuration and 1TB SAS or higher with RAID 5 (usable space after RAID configuration should be 1TB)	Vendors sought certain clarification on the Storage details i.e. regarding usable space and also requested that SSD size should be according to industry standards i.e. 240GB, 480GB, and 960GB. PRSC asked all the Vendors if the standard is same for all. To this all the Vendors collectively agreed so item was clarified in corrigendum.
		23	Server Management: Server must support clustered, highly available, high-volume configurations and support for load balancing and failover capability. Also it should support broad cross-platform support- Windows, Linux, AIX, Solaris, HP-UX and UNIX.	Vendors requested removal of AIX, Solaris, HP-UX and UNIX from this item. After discussion among PRSC team, the point was considered and amended in corrigendum.
		23	Free Primary Memory Slots: Minimum 8	One of the vendors requested change to 24 DIMM slots. The point was not agreed upon by all the Vendors, so item was not changed but further clarified in corrigendum.
6.	Staging Server			
		24	HDD: 256GB SSD or Higher and 1 TB SAS or higher (Usable after RAID implementation)	Vendors sought certain clarification on the Storage details i.e. regarding usable space and also requested that SSD size should be according to industry standards i.e. 240GB, 480GB, and 960GB. PRSC asked all the Vendors if the standard is same for all. To this all the Vendors collectively agreed so item was clarified in corrigendum.
		24	Server Management: Server must support clustered, highly	Vendors requested removal of AIX, Solaris, HP-UX and UNIX

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			available, high-volume configurations and support for load balancing and failover capability. Also it should support broad cross-platform support- Windows, Linux, AIX, Solaris, HP-UX and UNIX.	from this item. After discussion among PRSC team, the point was considered and amended in corrigendum.
		24	Free Primary Memory Slots: Minimum 8	One of the vendors requested change to 24 DIMM slots. The point was not agreed upon by all the Vendors, so item was not changed but further clarified in corrigendum.
7.	SAN Storage			
		25	Disk Support: The Proposed SAN Array should be able to support minimum of 60 disks in the array supplied from Day One with addition of Disk Enclosure.	Vendors requested to change minimum supported disk from day one to 24 disks that are available as standard size and it was asked from all the Vendors if standard size is same for all. All the Vendors agreed, so item was updated in corrigendum.
		25	They system should support automatic data tiering between SAS, NL-SAS and SSD	One of the Vendors requested removal of the clause, as not agreed by PRSC and all Vendors so clause was retained as it is.
		25	Capacity: The Proposed SAN Array should be configured with 30TB usable space after RAID 5 and scalable up to 120 TB (Scalability up to 240 No. of Disk).	One of the Vendors requested change of scalability to 192 drives. The item was not changed as not agreed by PRSC and other Vendors.
8.	SAN Switch			
		26	Workgroup Chassis FCIP Fixed Fixed FCIP L: Fixed	Vendors requested removal of the clause having FCIP as it will increase the cost. After discussion with team and agreement of all the Vendors, clause was removed.
		26	Fibre Channel base ports :12	One of the Vendor requested change ports to 8 or 16 as per their product availability. Point was not considered by PRSC and all were requested to quote for nearest higher end specification in such cases.
9.	Ethernet Switch			
		27		Vendor asked to add a new performance parameter i.e. Packet Buffer of 12 MB should be there for increased performance. The point was considered and amended in corrigendum.
10.	Tape Library			

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		28	Operating System Support to include Windows, Linux and MAC OS.	Vendors requested that in OS support MAC OS should be removed. After discussions with team, point was considered and amended.
		28	Total Storage Capacity (Native): 40 TB to 5 PB	One of the Vendors requested change of capacity from 5PB to 3.36PB. Point was not considered by PRSC and all were requested to quote for nearest higher end specification in such cases.
11.	Server Operating System			
		29		Vendors sought clarification that if the OS asked is for proposed servers or for any existing server? If existing, the number of cores required. Clarified that OS is asked for only according to proposed five servers, NOT any existing server.
12.	Antivirus for Server			
		30	Data Loss Prevention (DLP/IDLP) capability: Yes	One of the vendors asked Whether DLP is asked as supported parameter or individual feature. Clarified that DLP is asked as supported parameter in antivirus for server and individual feature in backup software.
		30	Number of user handling capability: 5000	Vendor asked to clarify if these are licenses or number of hits expected from users. Clarified that this is number of hits expected from users over internet. Antivirus licences are required for five servers.
		30	Concurrent user handling capability: 5000	Vendor asked to clarify if these are licenses or number of hits expected from users. Clarified that this is number of hits expected from users over internet. Antivirus licences are required for five servers.
13.	Additional Hardware Software			

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		32	Appropriate Backup software should also be suggested in integration with backup server and tape library	Vendor sought clarification on type of Backup software i.e. per server, per instance, per TB etc. It was mentioned that point will be clarified later after approval and hence clarified in corrigendum.
		32	Appropriate Backup software should also be suggested in integration with backup server and tape library	One of the Vendors asked to mention number of VMs to be backed or number of servers with socket to be considered for backup. It was clarified that they need to quote as per server configuration mentioned.
		32	UPS 15KVA (with at least 2 hours backup for the complete setup), Rack and all necessary hardware for installation of the servers and storage (server rails, power chords etc.) must be supplied.	One of the Vendors asked KW availability of Rack. It is clarified and amended in corrigendum that it should be as per proposed server, storage and networking architecture's power requirement.