

REF: CO:ISSC:PG:BIO:399:2012-13 DATED : 17.12.2012

09.01.2013

REF: BID Document for Supply, Installation and Maintenance of Servers, Operating Systems, Database, SAN Storage with replication software, SAN Switch, Tape Library with Backup software and Rack dated 17.12.2012.

NOTICE-2**Amendments to RFP Clauses**

Sl. No	Clause No & Page No	Clause as per RFP	Clarifications Sought by the bidders	Our Clarifications / Amendments
1	Server Specification: Line item 1 & 2	Xeon 2X4C E5620 80W 2.40GHz/1066MHz/12MB or higher Intel C200 series Chipset or latest server class Intel chipset.	1. Intel C200 Series chipset are the latest chipset and in that case the E 5620 becomes a older series processor which cannot go with this chipset. Hence please move the server to the latest Sandy Bridge based E5-2600 series which works with Intel C200 Series chipset.	It is amended as below: Xeon 2X4C E5-4650 80W 2.40GHz/1066MHz /12MB or higher, Intel C600 series Chipset or higher
2			2. Asked CPU is ok for 5600 series but for Sandbridge platform you need to change it to E5-2609 (4C/4T 2.4GHz-10Mb-6.40GT/s), if bank needs 4 CPU servers the the supported processor series in Either E5 4600 or E7 4800	
3			3. Intel C200 chipset is capable for Uniprocessor servers. For Dual Processor server you need to go with either 5500/5520 chipset for E5600 series CPU or C600 Chipset for E5-4600 Series Sandybridge platform	
4			4. Intel(R) Xeon(R) Processor E5-2609 2.40GHz, 10M Cache, 6.4GT/s QPI, No Turbo, 4C, 80W (needed) - E5 Processors from Intel is the current Architecture with better performance than	

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5			5.C600 chipset needed for Intel E5 latest Processors.	
6	Server Specification: Line item 4	2X 600 GB 15K RPM SAS hard drive in RAID 1 SAS 6 Gbps 3.5 in HDD , Provision for adding RAID controller for providing RAID5	Suggest 10K RPM with 2.5" SFF HDD, which is the current trend for all the server HDDs	It is amended as given below: 4X300 GB SFF 15K RPM SAS hard drive in RAID 1 SAS 6 Gbps, Provision for adding RAID controller for providing RAID 5
7			4 X 300 GB 2.5" 15 RPM SAS HDD instead of 600 GB 15 RPM 3.5" HDD if the processor is not the latest Sandy Bridge.	It is amended as given below: 4X300 GB SFF 15K RPM SAS hard drive in RAID 1 SAS 6 Gbps, Provision for adding RAID controller for providing RAID 5
8	Server Specification: Line item 5	Low power design and up to 95 percent efficient power supplies, six cooling fan modules, auto restart	Power supply efficiency should be equal to or above 93% - providing more options for PSU	Amended as given below: Low Power Design and Power supply efficiency should be equal to or above 93%, six cooling fans modules, auto restart. If the server is of 2U, four fan modules with auto restart.
9	Server Specification: Line item 5		For a 2U rack server 3 or 4 fan modules are optimum for the servers cooling needs.	
10	Features in Server Management Line Item 2	Remote mgmt port with ability to remotely configure machines completely via command scripts with Advance Settings Utility; variable-speed system fans, fan failure signals LED and	IMM is remote management feature specific to certain OEM. Request you to make it more generic	Amended as given below: Remote mgmt port with ability to remotely configure machines completely via command scripts with Advance Settings Utility; variable-speed system fans, fan

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		IMM		failure signals LED.
11	Features in Server Management Page No:25	Predictive Failure Analysis (PFA) on max no. of components. (should at least include processor, memory and Disk) maximum scalability upto 4 CPU with 8 cores each	Scalability to 4 CPU is not possible with E5600 series or E5-2600 series CPUs. This is only possible with E5-4600 series or E7-4800 series with specific chipsets	Please refer to the amendment made to the Point No.1
12			Remove 4 CPU Scalable with 8 Cores each - Intel E5 – 2600 Series processors are scalable upto 2 CPUs only.	
13	SAN Storage Specification Line item 11	Supported Disks-SAS, SATA, SSD, Fibre Channel	All 4 form of disks are not supported in any of the storage vendor, if you need Fc disk supported storage then that box will not support SAS drives. In same way if you need SAS drives then the box will not support FC drives. Please clarify.	Amended as Supported Disks-SAS, SATA, SSD, NL SAS
14		Supported Disks-SAS, SATA, SSD, Fibre Channel	SAS, NL SAS, SSD. Fibre channel has lesser roadmap on HDD for SAN Storage and SAS has better roadmap and able to handle enterprise workloads	
15	SAN Storage Specification Line item 10	Usable Cache: 4GB scalable to 8 GB Mirrored across two storage controllers for disk I/O operations	Does that mean storage box should be supplied with 4 GB per controller now and it should be scalable upto 8 GB per controller in the future? Please clarify	Amended as 4 GB per controller, scalable upto 8 GB per controller mirrored across two storage controllers for disk I/O operations
16	SAN Storage Specification Line Item 7	Cache: Minimum 4 GB	Minimum 4 GB across both the controllers	Amended as Cache: Minimum 4 GB per controller
17	SAN Storage Specifications Line item 20	Support for Dynamic Capacity Expansion 300GB SAS 2.0 disks of 6 Gbps to be used to configure usable 600 GB in RAID 10 and usable 600 GB	1. Please let us know the usable space required. 2.Support for Dynamic Capacity expansion with atleast 2 Global Hot spares disks	Amended as given below: Support for Dynamic Capacity Expansion 300GB 15 K RPM SFF SAS 2.0 disks of 6 Gbps to be used

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		in RAID 5 with atleast 2 Global hot spare disks scalable to 5 TB		to configure usable : RAID 10 – 1.5 TB RAID 5 – 1.5 TB The storage should be scalable by additional 2 TB in RAID 10 using similar disks
18	SAN Switch Specification for Supporting SAN Storage Line item 5	The SAN switch should support HW compression for FC-IP functionality and IP Sec Encryption	Does the vendor need to provide FC SAN Switch which can give FCIP routing functionality with Compression?	Amended as given below: "stands deleted"
19			Bank currently need SAN switch or both SAN switch and FC-IP router. Our Suggestion is that bank can add extra line item for FC-IP router and can buy when there is a need for the same.	
20	Tape Library specification Line item No: 9	Tape Library Specifications: Redundant hot swappable power supply to be provided	Redundant Power Supply comes with the min of 48 Slots Library	Amended as given below: "Stands Deleted"
21	Service Level Agreement Page 22	Resolution time for rectifying the malfunction from the time reported by the Bank : 12 hours Penalty clause: If any critical component of the entire configuration is out of service, the supplier shall either immediately replace the defective unit or rectify it at their own cost within 4 hours.	Please change the penalty clause to 12 hours of replacement or Rectification as per the SLA mentioned.	Penalty Clause: If any critical component of the entire configuration is out of service, the supplier shall either immediately replace the defective unit or rectify it at their own cost within 12 hours

It may please be noted that this Notice-2 forms part of the RFP document and copies of the RFP document and Notice -1 and Notice -2 are to be used as Tender Document and

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CO: Technology Management Department

submitted as such duly signed by the vendors' authorized official on each page. All the vendors are requested to please note accordingly.

**ASST. GENERAL MANAGER (TMD)
INDIAN BANK**