INDIAN INSTITUTE OF TECHNOLOGY KANPUR
OFFICE AUTOMATION DIVISION

Addendum of Enquiry NO: OA/IITK/2012/0011

To,
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Contact No: 0512-2597352/9935602060

Enquiry No: OA/IITK/2012/0011
Enquiry Date: 13 March 2013
Closing Date: 21 March 2013

Ref to Tender Enquiry NO: **OA/IITK/2012/0011 Dated: 13/3/2013**

Dear All,

It is observed that the technical specifications for purchasing the Servers is having some propriety items to a particular vendor, due to this the other vendor are not willing to qualify for the bid and quotation. It is decided that enquiry should be amended to make the technical specification open and generic for all the specified vendors. It will also give equal opportunity to all vendors and IITK can get the best technology at the most competitive price. Keeping this in mind we are modifying the technical specification whose details as follows:

S.No	Clause	Old Server Specifications	New Modified/Change Server Specifications
1	Server Type 1 Page No 1 and Server Type 2 Page No 2 Memory Property	Server Memory should support ECC,Chipkill, memory mirrroring and memory sparing.	Server Memory should support Advance ECC and memory online spare.
1a	Server Type 2 Page No 2 Precessor	Server should be configured with one eight core E5-2650 2.0Ghz or higher Processor and scalable up to 4 Processors in the same enclosure, , should support industry-leading Operating System platforms including Windows 2008,Linux, suse Linux, VMware 5.X	Server should be configured with one eight core E5-2650 2.0Ghz or higher Processor. Should support industry-leading Operating System platforms including Windows 2008,Linux, suse Linux, VMware 5.X
2	Server Type 1 Page No 1 Tape Drive	Internal Tape Drive for backup to be configured with cartridge at least 50/160GB or Higher capacity.	Tape Drive for backup to be configured with cartridge at least 50/160GB or Higher capacity.
3	Server Type 1 Page No 1 and Server Type 2 Page No 2 Graphics Controller	16MB Memory	Graphics controller should support minimum 1280 x 1024
4	Server Type 1 Page No 1 and Server Type 2 Page No 3 Additional Ethernet Ports	Server should support 2 Number of 10G Copper Ethernet Ports without consuming PCI slot	Server should support 2 Number of 10G Ethernet Ports.

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5	Server Type 1 Page No 2 and Server Type 2 Page No 3 Ports	Server should support 6 Number of external USB ports as well as 2 number of Internal USB ports for installation of Hypervisor key and Internal tape support, also should support two Video ports and an Ethernet Management port	Server should support 6 Number of external USB ports as well as minimum 1 number of Internal USB ports for installation of Hypervisor key or Internal tape support, also should support two Video ports and an Ethernet Management port
6	Server 3 Page 3 Architecture and **Operating System**	64-bit RISC/EPIC/SPARC Processor technology. should support industry-leading Operating System platforms including Windows 2008,Linux,Suse Linux, VMware 5.X , Solaris and AIX	64-bit RISC/EPIC/SPARC Processor technology. Operating **System should be 64 Bit Unix or 64 Bit Linux OS.**
6a	Server 3 Page 3 Processor Core	Min 8 64-bit 1.86 GHz or higher RISC cores.	Min 8 64 Bit 1.86 GHz or Higher RISC/EPIC Cores
6b	Server Type 3 Page No 3 ***Performance**	Server must be configured to deliver specint rating 2006 of 280.	**Server must be configured to deliver specint rating 2006 of 280.**
7	Server Type 3 Page No 3 Cache	Min 4MB per core or min 12MB on chip.	Min 4MB per core or min 12MB Per Processor L3 cache.
8	Server Type 3 Page No 3 LAN Cards	8 * 10/100/1000 Mbps Gigabit Ethernet ports across two cards, per partition with no single point of failure.	8 * 10/100/1000 Mbps Gigabit Ethernet ports across two cards with no single point of failure.
9	Server Type 3 Page No 3 Tape Drive	Internal Tape Drive for backup to be configured with cartridge at least 50/160GB or Higher capacity.	Tape Drive for backup to be configured with cartridge at least 50/160GB or Higher capacity.
11	Storage Page No 4 Operating System & Clustering Support	The storage array should support Industry-leading Operating System platforms including Windows 2008, Linux, Solaris and AIX Offered Storage Shall supports all operating systems in Clustering	The storage array should support Industry-leading Operating System platforms including Windows 2008, Linux, Solaris , AIX and HP-UX. Offered Storage Shall supports all operating systems in Clustering
12	Storage Page No 4 Supported Host connectivity	Four interface options (SAS. iSCSI/SAS. FC/SAS): Four or eight 6 Gbps SAS ports Eight 8 Gbps Fiber Channel ports and four 6 Gbps SAS ports Eight 1 Gbps iSCSI ports and four 6 Gbps SAS ports Four 1 0 Gbps iSCSI ports and four 6 Gbps SAS ports	Storage should support interfaces FC, FC/iSCSI/**SAS. To be connected from RISC/EPIC/SPARC based database server.**

13	Storage Page No 4 Cache Offered	Storage Array shall be given with Minimum of 1GB cache per controller in a single unit and shall be upgradeable to 2 GB per controller. Cache shall be backed up in case of power failure for certain time either using batteries or capacitors.	Storage Array shall be given with Minimum of 2GB cache per controller in a single unit. Cache shall be backed up in case of power failure for certain time either using batteries or capacitors.	
14	Storage Page No 4 Copy Features Supported	Flash Copy (256) Volume Copy (255) Remote Mirroring through Fiber Channel host ports (16)	Flash Copy/ Snapshot (256) Volume Copy (255) Remote Mirroring through Fiber Channel host ports. Storage should support sync and async replication	

***Performance**: Since our main objective is to deploy the Oracle Database with a very high concurrency, stability and performance. This is a third party benchmarks rating, which is very much needed to evaluate the performance of different vendors on a common platform.

Closing Date: The Enquiry Closing date has been extended till **21st Mar 2013, 5:00PM**.

Note: Other Terms and condition are same. Kindly send the quotation on the address given above.

(Khaleeq Ahmad)
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