

DOCUMENT

Open Competitive Bid (OCB)

For

Supply and Installation of Servers

to the three campuses of

**Rajiv Gandhi University of Knowledge
Technologies**

Proprietary & Confidential



**RAJIV GANDHI UNIVERSITY OF KNOWLEDGE
TECHNOLOGIES**

Ground Floor, Vindhya C4 Building,

IIT-H Campus, Gachibowli

HYDERABAD- 500 032

Phone: 040-23001830

Proprietary & Confidential

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News paper advertisement

Tender Notice

RAJIV GANDHI UNIVERSITY OF KNOWLEDGE TECHNOLOGIES



**Ground Floor, Vindhya C4 Building, IIIT-H campus,
Gachibowli, HYDERABAD- 500 032**

Phone: 040-23001830

Sealed Tenders are hereby invited for Supply & Installation and Commencing of Servers at the three campuses of RGUKT located at Basara in Adilabad , Nuzvid in Krishna dist and R.K.Valley in YSR Kadapa dist

Last date of submission of tender along with EMD as specified in the bid document is on 06.08.2012 before 04.00 pm.

Interested parties can collect the Tender document from the office of the RGUKT from 23 .07.2012 to 04.08.2012 against payment of Rs. 5,000/- towards the cost of Tender document fee (non-refundable) through D.D from any nationalized bank payable to REGISTRAR, RGUKT at Hyderabad. For further details visit our website www.rgukt.in

Date: 23 .07.2012

**Sd/-
Registrar**

Section A
Tender call notice
(Servers)

Time schedule of various tender related events

Bid calling date	23.07.2012
Bid Document fee	Rs. 5000/-
Last date for bid purchase	From 23.07.2012 to 04 .08.2012 at 05:00 P.M.
Pre Bid Meeting date/time	30.07.2012 at 04.00PM
Bid closing date/time	06.08.2012 at 4:00 P.M.
Technical Bid opening date/time	06.08.2012 at 04:30 P.M.
Price Bid opening date/time	07.08.2012 at 04:30 P.M
Contact person	Registrar, RGUKT
Reference No	RGUKT/Proc/Servers/T 15/2012

A. The solution, service or material required:

A.1. Supply, Installation and commissioning of Servers for three constituent institutions IIIT under Rajiv Gandhi University of Knowledge Technologies (RGUKT), AP.

A.2. Scope of incidental services:

1. Furnishing of a detailed operations and maintenance manual for each appropriate unit of the supplied goods.
2. Warranty Period services.

A.3.Maintenance:

Bidder should indicate Annual maintenance cost for the indicated years after expiry of warranty period of three years and five years.

A.4. Delivery and Installation period

- a) Bidder shall deliver, install and commission the goods/services within **four (4) weeks** from the date of contract signing. The delivery locations are IIIT at Basar in Adilabad District, Nuzvid in Krishna District and R.K, Valley in Kadapa District, A.P.

Section B

B.1 Pre-Qualification criteria:

1. The bidder should be a manufacturer/authorized representative of a manufacturer/whole sale dealer and should be in business of manufacture and or supply and maintenance of the offered items for a minimum period of Three years in AP as on bid calling date.
2. A. For Schedule-I:- The bidder should have at least one service center in each of the district (own/authorized) with at least three service support personnel at each of this service center as on bid calling date. Details of the service center details should be enclose in Form P2.
3. The bidder/OEM should have minimum annual turnover for the items/product mentioned (irrespective of brand/model) and for the brand offered, during the period of any two financial years of 2010-11, 2011-12 as follows:

S.No	Item Name	Financial years	Total sales (No's)	Brand offered sales (No's)
1.	Servers	2010-11	20	10
		2011-12	20	10

4. The bidder should furnish the information on major past supplies under the relevant product/services and satisfactory performance for the last three financial years.

Note: Relevant documents in support of above should be furnished.

Section C

C1. Statement of important limits/ values related to bid

Item	Description
EMD Schedule-I	Rs. 1,00,000/-
Bid Validity Period	90 days from the date of opening of bid
EMD Validity Period	45 days beyond bid validity period
Maintenance Period	3 years /5 Years Comprehensive onsite warranty
Variation in quantities	+/- 40%
Period for furnishing Performance security	Within 7 days from date of receipt of notification of award
Performance security value for schedule	10% of contract value for Schedule-I in favor of the Registrar Rajiv Gandhi University of Knowledge Technologies, Hyderabad, A.P from nationalized bank only.
Performance security validity period	60 days beyond warranty period for Schedule-I
Period for signing contract	Within 10 days from date of receipt of notification of award.
Warranty period	36 months / 60 months from the date of successful installation of all goods of schedule-I
Up time %	97% calculated over 3 calendar months period. For the purpose of up time calculation, day will be counted of 12 hours duration -8:00 AM to 8:00 PM on all days.
Payment terms	
On delivery	50% of contract value
On acceptance & successful installation	Balance 50% of the contract value
LD for late deliveries	1% of the late delivered or deemed late delivered goods for one week or part there of 1.5% for 2 weeks or part there of 2% for 3 weeks or part thereof and so on.
Maximum LD for late deliveries	10% of value of late delivered of deemed late delivered goods
Penalty for failure to maintain during warranty or AMC	For every 1% reduction in up time from 97%, penalty will be 10% of AMC amount. For this purpose AMC will be assumed as 10% of PO value during warranty period the amount will be deducted from performance Bank guarantee (PBG). After warranty period AMC will be 12 of AMC indicated by bidder.
Options for the required equipment	If the bidder wants to give option, he may submit it as separate bids along with separate EMD. This will be treated as separate bid for evaluation.
Conditional bids	Not acceptable and liable for rejection.
Placing work order	<ul style="list-style-type: none"> ➤ RGUKT will place order on identified successful bidder. ➤ All the payments shall be made directly by RGUKT to the successful bidder as per the terms and conditions of RFP.

Section -D

Requirement

Schedule-I	Qty
Content Video Streaming Servers	6 No's
Storage Servers	4 No's

Technical Specifications:-

Content Video Streaming Server Specifications (6 No's)

S.No	Parameter	Specification
1	Chassis	2 U Rack Mountable
2	CPU	Two Intel® Xeon® E5-2620 (2.0GHz/6-core/15MB/7.2GT-s QPI/95W, DDR3-1333, HT, Turbo2) or higher
3	CPU L3 CACHE Memory	15MB (1x15MB) Level 3 or higher
4	Motherboard	Intel® C600 Series Chipset or higher
5	Memory Capacity	16GB (4x4GB) PC3L-10600R (DDR3-1333) Registered DIMMS or higher
6	Memory	768GB with DDR3 Registered (LRDIMM) memory, operating at 1066MHz 384GB with DDR3 Registered (RDIMM) memory, operating at 1600MHz 128GB with Unbuffered (UDIMM) memory, operating at 1333MHz Server should support RDIMM with 3DPC@1066 MHz
7	Memory Protection	Proposed memory should support identifying itself and authenticate with the server installed to increase reliability of the server Advanced ECC Online Spare Lockstep mode
8	HDD Capacity	6 x 600GB 6G SAS 15K rpm LFF (3.5-inch) SC Enterprise Hard Drive or higher
9	HDD Bays	Minimum 8 (scalable upto 16) Hot Plug 2.5" hard disk bays/ 8 Hot Plug 3.5" hard Disk Bays + CDROM/DVD Bay or higher
10	Optical drive Bay	One DVD-RW
11	HDD carrier	Hard disk drive should support "Do Not Remove" caution indicator to avoid human errors in replacing failed HDD

12	Hard disk drive support	<p>Up to 8 (16 with optional second SAS drive cage*):</p> <p>Hot plug SFF SAS 10K 900/600/450/300 GB</p> <p>Hot plug SFF SAS 15K 146/72 GB</p> <p>Hot plug SFF MDL SAS 7.2K 1 TB/500 GB</p> <p>Hot plug SFF MDL SATA 7.2K 1 TB/500 GB</p> <p>Hot plug SFF SATA SSD 400/200/100 GB</p> <p>Hot plug SAS SLC SFF SSD 400/200 GB</p> <p>Hot Plug SAS MLC SFF SSD 800/400 GB</p> <p>Up to 8:</p> <p>Hot plug LFF SAS 15K 600/450 GB</p> <p>Hot plug LFF MDL SAS 7.2K 3/2/1 TB</p> <p>Hot plug LFF MDL SATA 7.2K 3/2/1 TB/500 GB</p>
13	Controller	PCIe 3.0 based SAS Raid Controller with RAID 0/1/1+0/5/5+0 with 512MB battery backed write cache (onboard or in a PCI Express slot). Controller should support 512MB/1GB/2GB flash backed write cache
14	Networking features	Server should be supplied with the following:1. 1Gb 4-port network adaptor supporting advanced features such as Large Send offload capability, TCP checksum and segmentation, VLAN tagging, MSI-X, Jumbo frames, IEEE 1588, and virtualization features such as VMware NetQueue and Microsoft VMQ.2. 10Gb 2-port Ethernet adaptor supporting enterprise class features such as VLAN tagging, adaptive interrupt coalescing, MSI-X, NIC teaming (bonding), Receive Side Scaling (RSS), jumbo frames, PXE boot and virtualization features such as VMware NetQueue and Microsoft VMQ.
15	Ports	USB 2.0 support With 7 total ports: (2) ports up front; (4) ports in back; (1) port internal and 1 internal Secure Digital (SD) slot
16	Bus Slots	Six PCI-Express slots, atleast 5 with PCIe 3.0 (two x16 and three x8 slots)
17	Optical drive	DVD/CD-RW combo drive
18	Power Supply	Redundant Power Supplies
19	Fans	Redundant Fans
20	Industry Standard Compliance	ACPI 2.0 Compliant, PCIe 3.0 Compliant, PXE support, WOL Support, Microsoft® Logo certifications, USB 2.0 Support
21	Security	<p>Power-on password</p> <p>Serial interface control</p> <p>Administrator's password</p> <p>Server should also support Trusted Platform Module microcontroller chip that can securely store artifacts used to authenticate the server platform. These artifacts can include passwords, certificates and encryption keys.</p>
22	OS Support	<p>Microsoft Windows Server, Microsoft Windows Server Hyper-V, Red Hat Enterprise Linux (RHEL), Red Hat Enterprise Linux Virtualization, SUSE Linux Enterprise Server (SLES), SUSE Linux Enterprise Server with XEN</p> <p>Oracle Solaris for x86/x64 based Systems, VMware, Citrix XenServer</p>
23	Operating System	Redhat Enterprise Linux 6 Application platform with 5 years warranty or Higher
24	Warranty	5 year warranty 24 x7 support with Pre failure warranty on CPU, Memory and Hard disks

25	Remote Management	<p>1. System remote management should support browser based Graphical Remote Console; Virtual Power button, Remote boot using USB / CD/ DVD Drive and should be capable to offer upgrade of software and patches from a remote client using Media / image/folder;server power capping and historical reporting;should have support for multifactor authentication.2. Remote management port should have atleast 4GB of NAND Flash to download the firmware from the website directly or from internal system. Server should support automated firware update.3. Server should support agentless management using the out-of-band remote management port instead of OS and SNMP port on the OS. This will enable zero downtime updates4. The server should support Active Health System which monitors and records changes in the server hardware and system configuration. It assists in diagnosing problems and delivering rapid resolution when system failures occur.5. Applications to access the server remotely using popular handheld devices based on Android or Apple IOS should be available.6. Remote console sharing upto 10 users simultaneously during pre-OS and OS runtime operation, Console replay - Console Replay captures and stores for replay the console video during a server's last major fault or boot sequence. Microsoft Terminal Services Integration, 128 bit SSL encryption and Secure Shell Version 2 support.Should provide support for AES and 3DES on browser.Should provide remote firmware update functionality.Should provide support for Java free graphical remote console.</p>
26	Server Management	<p>The Systems Management software should provide Role-based security</p> <p>Should help provide proactive notification of actual or impending component failure alerts on critical components like CPU, Memory and HDD. Should support automatic event handling that allows configuring policies to notify failures via e-mail, pager, or SMS gateway or automatic execution of scripts.</p> <p>Server should support cloud based management by accessing the servers' configuration information, warranty & sla information, support case details anywhere from the internet</p> <p>Should support scheduled execution of OS commands, batch files, scripts, and command line apps on remote nodes</p> <p>Should be able to perform comprehensive system data collection and enable users to quickly produce detailed inventory reports for managed devices. Should support the reports to be saved in HTML, CSV or XML format.</p> <p>Should help to proactively identify out-of-date BIOS, drivers, and Server Management agents and enable the remote update of system software/firmware components.</p> <p>The Server Management Software should be of the same brand as of the server supplier.</p>
27	System Driver & Utilities	<p>The drivers for the system supplied on a Flash Card/CD/DVD Media internal to the server</p>
28	Accessories	<p>The System should be supplied with Sliding Rail Kit with Cable Management Arm. Accessories to connect to IP KVM switch should be supplied</p>

Storage server Specifications (4 No's)

S.No.	Features	Qualifying Minimum Requirements
1	No. of Storage Units	4
2	Make Offered	
3	Model Offered	
4	Rack mount	Should be rack mounted.
5	Type of Data Supported	The NAS system should support File and Block Data
6	High Availability	Offered NAS shall be offered with high availability or in a no single point of failure. vendor shall provide all high availability license on the day 1 itself.
7	Processor	Offered NAS solution shall be configured with total of Dual Quad Core processors (Min. 2.4Ghz) and shall be scalable to 4 numbers of Quad Core processors (Min. 2.4Ghz) or higher
8	RAM	offered NAS solution shall be configure with total of 48GB RAM or higher, scalable to 192GB RAM
9	Hard Drives	Shall be supplied with minimum of 36 X 900GB 6G SAS 10K rpm SFF (2.5-inch) Dual Port Enterprise Hard Drive drives. 2 x 300GB 10K 6G 2.5 Hot Plug SAS DP HDD shall be configured in Raid 1 for OS of the NAS solution
10	Storage Connectivity	1. Offered NAS shall have minimum of 16 storage drive bays and shall be scalable to maximum of 64 Storage drive bays or higher 2. NAS Storage subsystem shall be scalable more than 100TB of capacity using 2TB drives or higher
11	Network Connectivity	1. Min. 8 X 1Gbps auto sensing NICs ports or higher 2. Minimum 4 x 10Gbps NIC ports or higher
12	Network support	TCP/IP, ISCSI, FTP, CIFS, HTTP, NFS, WebDev etc.
13	Fault Tolerance	RAID protection for OS as well as for the data disk. Offered NAS shall support Raid 0, Raid 1, Raid 1+0 and Raid 5.
14	Fault Recovery	Quick restore CD for disaster recovery
15	Network Client Types Support	Should support Windows 7, Windows 2008, Windows XP, HP-UX, AIX, SOLARIS & Linux
16	Manageability	Advanced web interface with following 1. Software with web interface for network management 2. Remote management through Remote desktop as well as through HTTP.
17	Data replication	Software for NAS to NAS optimised data replication.
18	Operating System	Microsoft Storage Server - 64 bit edition (NAS optimized) including powered OS drivers with 5 years support
19	Single Instancing	Offered NAS shall have Single instancing support to avoid storing of duplication information multiple times. Software for same shall be provided.

20	File screening and quota management	Offered NAS shall have support for file screening and Quota management. Software for same shall be provided.
21	SAN storage (iSCSI based)	Integrated iSCSI for block access over LAN
22	Snapshots	Point in time copies of your data to guard against data corruption.
23	File Server resource Management	Shall include File server resource management component for both on-demand and scheduled reports for detailed storage use.
24	Power Supply and FAN	Offered NAS shall have dual redundant power supply and FAN
25	System Driver & Utilities	The drivers for the system supplied on a Flash Card/CD/DVD Media internal to the server
26	Accessories	The System should be supplied with Sliding Rail Kit with Cable Management Arm. Accessories to connect to IP KVM switch should be supplied
27	Warranty	Five Years Onsite support for both hardware and software (24/7)

NOTE

A complete set of bidding documents may be purchased by interested bidders from the RGUKT contact person upon payment of the bid document price which is non-refundable. Payment of bid document price should be by demand draft / cashier's cheque or certified cheque drawn in favor of "Registrar , Rajiv Gandhi University of Knowledge Technologies " and payable at Hyderabad (India).