UNIVERSITY OF KERALA
Thiruvananthapuram, Kerala, India – 695034
(Established as University of Travancore by the Travancore University Act in1937 and reconstituted as
University of Kerala by the Kerala University Act of 1957 and presently governed by the
Kerala University Act of 1974 passed by the Kerala State Legislative Assembly)

No. Ad. B IV.CP.01.332/13   Thiruvananthapuram
                                                                          Dated: 15.02.2013

QUOTATION NOTICE

Competitive Quotations are invited for the supply of Server, Network Switch, Desktops & Printers for use in the examination computerized laboratory.

Conditions

1. The rate quoted should be inclusive of Tax, transportation charges and any other charges.

2. Complaints with the items supplied should be rectified/replaced to the satisfaction of the University by the suppliers at their own cost.

3. Payment will be made only after the supply of the items at our own site.

4. The undersigned reserves the right to reject /accept any quotation without assigning any reason.

The sealed quotation should be addressed to the undersigned super scribing as Quotations for equipments in Examination computerization laboratory. The last date of receipt of quotations is at 3.00 PM on 23.02.2013. The quotations will be opened at 3.30 PM on the same day in the presence of vendors then present.

Sd/-

REGISTRAR

Specifications

1. Printer

Sl. No.	Particulars	Specifications
1	Model/Brand	OEM
2	Output type	Monochrome, Full duplex
3	Connectivity technology	High speed USB 2.0
4	Processor	460 MHz/above
5	Printing speed	Up to 43 ppm-B/W-A4 (8.25 in x 11.7 in)
6	Horizontal B&W Printing resolution	1200 DPI
7	Vertical B&W Printing resolution	1200 DPI
8	Media size	A4 Legal (216 mm x 356 mm)
9	Media type	Cards, Envelops, Labels, Plain paper, Postcard, Transparencies
10	Memory capacity	48 MB/512 MB (max)
11	Networking	Yes
12	Memory technology	DIMM 100-pin
13	Duty cycle	75000 pages/Above
14	Warranty	1 year on-site

2. Desktop

Personal computer		
1	Processor Type	CoreI3/above
2	Mother Board type	Intel Orginal
3	RAM capacity	4 GB DDR III
4	Network	1 Gbps
5	Graphics type	Integrated
6	USB	6 nos/above (2 Front, 4 Rear)
7	Hard Disk Capacity	500 GB SATA /above
8	Hard Disk Speed	7200 RPM

9	Removable media	DVD R/W drive
10	Monitory type	18.5″ TFT/above
11	Keyboard	Multimedia KB
12	Mouse	Optical Mouse KB
13	Cabinet & SMPS	ATX cabinet
14	Operating System	Windows 7 professional/above
15	Warranty	3 year on-site comprehensive

3. Network Switch

Device type	Switch-48 ports - L3-managed
Enclosure type	Desktop, rack-mountable - 1U
Ports	48 x10/100 +2x combo Gigabit SFP + 2x10/100/1000
Power Over Ethernet (PoE)	PoE
Performance	Switching capacity: 17.6 Gbps forwarding performance (64-byte packet size): 13.1 Mpps
Capacity	4K Active VLANs
Routing Protocol	Static Ipv4 routing
Remote Management Protocol	SNMP 1, RMON 1, RMON 2, RMON 3, RMON 9, Telnet, SNMP 3, SNMP 2C, HTTP, HTTPS, SSH, CLI
Features	Layer 3 switching, layer 2 switching, DHCP support, BOOTP support, VLAN support, IGMP snooping, Syslog support, DoS attack prevention, port mirroring, DiffServ support, Weighted Round Robin (WRR) queuing, Broadcast Storm Control, Ipv6 support, Multicast Storm control, Unicast Storm control, firmware upgradable, Spanning Tree Protocol (STP) support, Rapid Spanning Tree Protocol (RSTP), Multiple Spanning Free Protocol (MSTP), Trivial File Transfer Protocol (TFTP) support, Access Control List (ACL) support, Quality of Service (QoS), Jumbo Frames support, MLD snooping.
RAM	128 MB
Flash Memory	16 MB flash

4. Server

Parameter	Specifications
OEMs	**Dell, HP or IBM**
Processor	Server should be quoted with Dual Hexa Core Processor Intel Xeon E5-2620 95W 2.0GHz
L3 Cache	15 MB
Chipset	Intel Chipset/OEM Chipset/Or Equivalent
Memory	Server should be configured with 16 GB memory PC3L-10600 CL9 ECC DDR3 1333MHz LP RDIMM
DIMM Slots	Server should support 24 DIMM Slots
Memory Property	DDR3 Registered Memory with Active Memory Protection
Hard Disk Drives	2□300 GB 2.5in SFF 10K 6Gbps HS SAS HDD. Server should support up to 82.5″ SAS/SATA hard disk or Solid state drives
RAID Controller	Integrated 6 Gbps SAS hardware RAID 0, 1 and 10. Raid controllers should support on line Raid level migration, on line capacity expansion and data scrubbing as well.
Optical Drive (Optional)	DVD-RW
Graphics Controller	16MB DDR2-SDRAM
Gigabit Ethernet Ports	Two Gigabit Ethernet ports with full duplex/TCP/IP Offload Engine (TOE)

PCI Slots	2 PCIe slots
Blower	Server to be configured with Redundant and Hot Swappable Blowers
Redundant Power Supply	Server to be configured with Redundant Power Suppliers
Fiber Channel	Server to be configured with 1 number of Dual Port 8 Gbpps fiber Channel Adapters
Form Factor	1 U
Dimensions	Height:43 mm(1.7 in), width:429 mm(16.9 in), depth: 734 mm (28.9 in)