



Mahatma Gandhi University, Kerala

TENDER No: SOCS/10/PLAN / 2018-9.

Dated: 28.02.2019

**NOTICE INVITING TENDER**  
**(Tender No: SOCS/10/PLAN /2018-19)**

The Registrar, Mahatma Gandhi University, Kottayam invites online bid (technical and financial bid) from reputed firms for Supply and Installation of the item **CLOUD SERVER** at the University Department, **SCHOOL OF COMPUTER SCIENCES**, as per the specifications noted below. The period of the tender is **180 days** from the date of tender.

SL No	ITEM DESCRIPTION	QUANTITY
1	<b>CLOUD SERVER</b>	<b>1</b>

**ITEM SPECIFICATIONS**

<b>Chipset</b>	Lewisburg PCH Intel C621
<b>Form Factor</b>	Max. 2U rack mounted with sliding rails
<b>Configured CPU</b>	Up to two Intel® Xeon® Scalable processors, up to 28 cores per processor, Populated with Dual Scalable processor 12 Core, 24 Threads, 2.10 GHz Processor Base Frequency and 16.5 MB L3 Cache.
<b>Memory slots</b>	24 DDR4 DIMM slots, Supports RDIMM /LRDIMM, speeds up to 2666MT/s, 3TB max Up to 12 NVDIMM, 192 GB Max
<b>Memory configured</b>	192 GB RDIMM, 2666 MT/s
<b>Disks supported</b>	Front drive bays: Up to 16 x 2.5” SAS/SATA (HDD/SSD) max 61TB or up to 8 x 3.5” SAS/SATA HDD max 80TB Optional DVD-ROM, DVD+RW
<b>RAID Controller</b>	12Gbps PCIe 3.0 with RAID 1, 5, 10, 50
<b>Disks configured</b>	Min 2 x 600GB 10K RPM SAS HDD, 3 x 2 TB SATA
<b>DVD writer</b>	Internal DVD writer
<b>I/O slots</b>	up to 8 PCIe Gen 3 slots, maximum of 4 x 16 slots
<b>Ethernet ports</b>	Dual Port 10Gb, Base-T + Dual-Port 1GbE
<b>Operating System</b>	SUSE Linux Enterprise Server 12 SP3
<b>OS Certification</b>	Windows Server 2016, VMWare, Red Hat Enterprise Linux, SUSE Linux Enterprise Server
<b>Power Supply</b>	750W Platinum rated redundant Power Supply
<b>SD Modules slots</b>	Dual SD module slots supporting RAID1 config

<b>Management integration</b>	Support for integration with Microsoft System Center, VMware vCenter, BMC Software
<b>Power &amp; temperature</b>	Real-time power meter, graphing, thresholds, alerts & capping with historical power counters.
	Temperature monitoring & graphing
<b>Pre-failure alert</b>	Should provide predictive failure monitoring & proactive alerts of actual or impending component failure for fan, power supply, memory, CPU, RAID, NIC, HDD
<b>Configuration &amp; management</b>	• Real-time out-of-band hardware performance monitoring & alerting
	• Agent-free monitoring, driver updates & configuration, power monitoring & capping, RAID management, external storage management, monitoring of FC, HBA & CNA & system health
	• Out-of-band hardware & firmware inventory
	• Zero-touch auto configuration to auto deploy a baseline server configuration profile
<b>Management (continued)</b>	• Automated hardware configuration and Operating System deployment to multiple servers
	• Zero-touch repository manager and self-updating firmware system
	• Virtual IO management / stateless computing
	• Support for Redfish API for simple and secure management of scalable platform hardware
<b>LCD panel</b>	Should display system ID, status information and system error error code followed by descriptive text. LCD background should light up in different colours during normal system operation & error conditions.
<b>HTML5 support</b>	HTML5 support for virtual console & virtual media without using Java or ActiveX plugins
<b>Server security</b>	Should have a cyber resilient architecture for a hardened server design for protection, detection & recovery from cyber attacks
	Should protect against firmware which executes before the OS boots
	Should provide effective protection, reliable detection & rapid recovery using:
	- Silicon-based Hardware Root of Trust
	- Signed firmware updates
	- Secure default passwords
	- Configuration and firmware drift detection
	- Persistent event logging including user activity
	- Secure alerting
	- Automatic BIOS recovery
	- Rapid OS recovery
	- System erase
Configuration upgrades should be only with cryptographically signed firmware and software	
Should provide system lockdown feature to prevent change (or “drift”) in system firmware image(s) & prevent malicious modification of server firmware	
<b>Intrusion alert</b>	Intrusion alert in case chassis being opened
<b>Warranty</b>	3 Year Onsite warranty

**TENDER DETAILS**

Purchase Assessment Cost (PAC)	<b>Rs.7,00,000/-(Rupees Seven Lakh Only)</b>
Earnest money deposit (EMD)	<b>Rs.7000/- /-(1% of the Purchase Assessment Cost (PAC), subject to a minimum of Rs.1500/-)</b>
Tender submission fee	<b>Rs.1,500+ GST@12%</b>
Period of supply and installation	Within <b>15</b> days
Mode of submission of Bid	Online
Tender Documents	Can be downloaded from the website <a href="http://www.etenders.kerala.gov.in">www.etenders.kerala.gov.in</a>
Last date and Time of submission of tender by online	<b>11.03.2019, 10.30am</b>
Date and time of opening of bids	<b>11.03.2019, 2.30 pm</b>

General tender documents and tender schedule can be downloaded in A4 plain size paper free of cost from the website [www.etenders.kerala.gov.in](http://www.etenders.kerala.gov.in). Documents to be submitted along with bid through online.

Sl.No	Through online
1	Scanned copy of valid registration certificate/dealership certificate
2	Scanned copy of duly filled e-payment form
3	Scanned copy of other certificates required, if any, for tender acceptance
4	Scanned Copy of duly filled preliminary Agreement in stamp paper of Rs.200/-
5	BOQ

**SPECIAL CONDITIONS**

- 1. Quoted price should be inclusive of all taxes, freight, loading & unloading and installation charges.**
- 2. Details such as make, model, mode of operation, etc., should be clearly mentioned in the quotation.**

3. Customs/Excise duty exempted price shall be quoted.
4. Quoted rates should have at least six months validity period.
5. Brochure of different models quoted should be enclosed.
6. Warranty, AMC conditions, nearest service centre details, supporting catalogues and demonstrations should be provided.
7. The right to accept or reject the quotations without assigning any reason rest entirely with the undersigned.
8. If the product has a valid DGS&D rate it should be quoted.
9. If the last date for receipt of quotations is declared a holiday the next working day shall be the last date for the purpose.

The bids shall be opened at the date and time specified. Further details can be had from the office of **The Head of the Department, School of Computer Sciences, Mahatma Gandhi University, Kottayam, Kerala-686560** on all working days during working hours. Phone No: **0481 2731037**. The bidders are advised to submit their bid well in advance to avoid any kind of network issues. The undersigned reserves the right to reject any or all the tender without assigning any reason whatsoever.

**REGISTRAR**