

KERALA TECHNOLOGICAL UNIVERSITY
MBA Building, CET Campus
Trivandrum, Kerala-695016
Ph: 0471- 2598122; Fax: 0471-2598522
www.ktu.edu.in; Email: university@ktu.edu.in

TENDER SCHEDULE

TENDER FOR THE SUPPLY OF BLADE SERVER CHASSIS WITH BLADE SERVER

Tender No.	: 1/2015
Date and time of receipt of tender	: 06/03/2015 4 p.m.
Date and time for opening tender	: 07/03/2015 11 a.m.
Date up to which the rates are firm	: Three months from date of opening tender
Address of Officer from whom tender forms are to be Submitted	THE REGISTRAR : KERALA TECHNOLOGICAL UNIVERSITY MBA BUILDING, CET CAMPUS TRIVANDRUM - 695016 KERALA

Tender No.: 1/2015

KERALA TECHNOLOGICAL UNIVERSITY

TENDER

**Containing General Conditions of Contract and Schedule for the
Supply of Blade Server Chassis with Blade Servers**

Name of Tenderer :

Address :

Signature of Tenderer :

KERALA TECHNOLOGICAL UNIVERSITY
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Trivandrum, Kerala-695016
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FORM OF TENDER

Sir,

I/We hereby tender to supply, under the annexed general conditions of contract, the whole of the articles referred to and described in the attached specification and schedule, or any portion thereof as may be decided by the Kerala Technological University, at the rates quoted against each item. The articles will be delivered within the time and at the places specified in the schedule.

*I/We am /are remitting/have separately remitted the required amount of Rs..... as earnest money.

Yours faithfully,

(Signature)

(Address)

.....

Date:.....

-
- To be scored off in case where no earnest money deposit is furnished

GENERAL CONDITIONS

Sealed tenders are invited for the supply of the materials as specified in schedule below/attached.

1. The tender should be addressed to the The Registrar, Kerala Technological University in a sealed cover with the tender number and name shown below duly super scribed on the cover.
2. The form can be downloaded from the website **www.ktu.edu.in/tenders**
The tender form may be printed in A4 size paper. Editing of the pre-printed text in the tender form in any way other than as indicated (like ticking, filing in with ink/typing, scoring off inapplicable material etc) will render the tender form in valid and liable for rejection. There is no fee for the tender form.
3. Intending tenderers should send their tenders so as to reach the officer mentioned in the tender notification, on due date and time noted therein. No tender received after the specified date and time will be accepted on any account. The rates will be considered firm for acceptance till the date mentioned therein. Tenders not stipulating period of firmness and tenders with price variation clause and/or 'subject to prior sale' condition are liable to be rejected.
4. a) Every tenderer who has not registered his name with the State Government (Store Purchase Department), should send along with his tender, an earnest money of one percent of the quoted amount of total cost of the articles tendered for (rounded to the nearest rupee) . The amount may be paid by Demand Drafts(crossed) on the local branch of State Bank of Travancore drawn in favour of the Registrar , Kerala Technological University, Thiruvananthapuram. Cheques will not be accepted. The earnest money of unsuccessful tenderers will be returned as soon as possible after the tenders are settled: but that of successful tenderers will be adjusted towards the security that will have to be deposited for the satisfactory fulfilment of the contract. No interest will be paid for the earnest money deposit.

b) Tenderers whose names are registered with Government (Stores Purchase Department) are generally exempted from furnishing earnest money for such articles for which they have registered their names. If they tender for stores other than those for which they have registered their names, they will have to furnish earnest money as in the case of unregistered firms. Registered firms will have to quote invariably in every tender they submit, the registration number assigned to them by the Store Purchase Department. Attested copy of registration certificate shall be enclosed with the tender for reference.

c) Small Scale Industries and Cottage Industries within the Kerala State, which are certified as such by the Director of Industries and Commerce or by the Regional Joint Director of Industries and Commerce will be exempted from furnishing earnest money against tenders and Security deposit against contracts for supply of stores manufactured by them.
5. The tenders will be opened on the appointed day and time in the office of the The Registrar, Kerala Technological University, Trivandrum in the presence of such of those tenderers or their nominees who may present at that time.
6. If any tenderer withdraws from his tender before the expiry of the period fixed for keeping the rates firm for acceptance, the earnest money, if any deposited by him will be forfeited to Kerala Technological University or such action taken against his as the University think fit.
7. Tenderers shall invariably specify in their tenders the delivery conditions including the time required for the supply of articles tendered for.

8. a) The tenderers shall clearly specify whether the articles offered bear Bureau of Indian Standards Certification Mark or not. In such cases, they shall produce copies of certification marks along with their tender in support of it.

b) Tenderers shall clearly specify whether the goods are offered from indigenous sources, from imported stocks in India or from foreign sources to be imported under a license. The Kerala Technological University reserves the right to reject offers for import of goods if the Import Trade control Policy in force at the time of award of the contract prohibits or restricts such imports.

9. The final acceptance of the tenders rests entirely with the University who do not bind themselves to accept the lowest or any tender. But the tenderers on their part should be prepared to carry out such portion of the supplies included in their tender as may be allotted to them.

10. In case materials of technical nature, the successful tenderer should be prepared to guarantee satisfactory performance for a definite period under a definite penalty.

11. Communication of acceptance of the tender normally constitutes a concluded contract. Nevertheless the successful tenderer shall also execute an agreement for the due fulfilment of the contract within the period specified in the letter of acceptance. The contractor shall have to pay all stamp duty/lawyer's charges and other expenses incidental to the execution of agreement. Failure to execute the agreement within the period specified will entail the penalties set out in Para 12 below.

12. a) The successful tenderer shall, before signing the agreement, and within the period specified in the letter of acceptance of this tender, deposit a sum equivalent to 5 per cent of the value of the contract as security for the satisfactory fulfilment of the contract less the amount of money deposited by him along with his tender. The amount of security may be deposited in the manner Demand Draft.. Letter of guarantee in the prescribed form for the amount of security from an approved Bank will also be considered enough at the discretion of the Kerala Technological University. If the successful tenderer fails to deposit the security and execute the agreement as stated above, the earnest money deposited by him will be forfeited to the Kerala Technological University, and the contract arranged elsewhere at the defaulter's risk and any loss incurred by the Kerala Technological University on account of the purchase will be recovered from the defaulter who will, however not be entitled to any gain accruing thereby. If the defaulting firm is a registered firm, their registration is liable to be cancelled.

b) In cases where a successful tenderer, after having made partial supplies, fails to fulfil the contracts in full, or any of the materials not supplied may at the discretion, of The Registrar, Kerala Technological University, be purchased by means of another tender/quotation or by negotiation or from the next higher tenderer who had offered to supply already and the loss, if any, caused to the Kerala technological University shall thereby, together with such sums as may be fixed by the Kerala technological University towards damages, be recovered from the defaulting tenderer.

c) Even in case where no alternate purchaser arranged for the materials not supplied, the proportionate portion of the security deposit based on the cost of the materials not supplied at the rate shown in the tender of the defaulter shall be forfeited and balance alone shall be refunded

13. The security deposit shall, subject to the conditions specified herein, be returned to the contractor within three months after the expiration of the contract, but in the event of any dispute arising between the University and the contractor, the University shall be entitled to deduct out of the deposit or the balance thereof, until such dispute is determined, the amount of such damages, costs, charges and expenses as may be claimed. The same may also be deducted from any other sum which may be due to any time from the University to the contractor. In all cases where there are guarantee for the goods supplied, the security deposit will be released only after the expiry of the guarantee period.

14. a) All payments to the contractor will be made by The Registrar, Kerala technological University in due course, by on line transfer to the account of the supplier.

b) All incidental expenses incurred by the Kerala technological University for making payments in which the claim arises shall be borne by the contractor.

15. The tenderers shall quote also the percentage of rebate (discount) offered by them in case the payment is made promptly within fifteen days/within one month of taking delivery.

16. Ordinarily payments will be made only after the supplies are actually verified and taken to stock.

17. The contractor shall not assign or make over the contract or the benefit or burdens thereof to any other person or body corporate. The contractor shall not underlet or sublet to any person or persons or body corporate the execution of the contract or any part thereof without the consent in writing of The Registrar, Kerala Technological University who shall have absolute power to refuse such consent or to rescind such content (if given) at any time if he is not satisfied with the manner in which contractor or the sub-contractor upon such rescission. Provided always that is such consent be given at any time, the contractor shall not be relieved from any obligation, duty or responsibility under this contract.

18. a) In case the contractor becomes insolvent or goes liquidation, or makes or proposes to make any assignment for the benefit of his creditors for the settlement of his debts, or carries on his business or the contract under inspection on behalf of his creditors or in any case receiving order or orders, for the administration of his estate are made against him, or in case the contractor shall commit any act of insolvency or in case in which under any clauses of his contract the contractor shall have rendered himself liable to damages amounting to the whole of his security deposits: the contract shall thereupon, after notice given by The Registrar Kerala Technological University to the contractor, be determined and the Kerala Technological University may complete the contract in such time and manner and by such persons as the Kerala Technological University shall think fit. But such determination of the contract shall be without any prejudice to any right or remedy of the Kerala Technological University against the contractor or his sureties in respect of any breach of contract therefore committed by the contractor. All expenses and damages caused to the Kerala Technological University by any breach of contract by the contractor shall be paid by the contractor to the Kerala Technological University and may be recovered from him under the provisions of the Revenue Recovery Act in force in the State.

19. a) In case the contractor fails to supply and deliver any of the said articles and things within the time provided for delivery of the same, or in case the contractor commits any breach of any of the covenants, stipulations and agreements herein contained, and on his part to be observed and performed, then and in any such case, it shall be lawful for Kerala Technological University (if they shall think fit to do so) to arrange for the purchase of the said articles and things from elsewhere or on behalf of the Kerala Technological University by and order in writing under the hand of The Registrar, Kerala Technological University put an end to his contract and in the case the University shall have incurred, sustained or been put to any costs, damages and expenses or other moneys shall then or any time during the continuance of this contract be payable by the contractor to the Kerala Technological University under and by virtue of this contract, it shall be lawful for the Kerala Technological University from and out of any moneys for the time being payable or owing to the contractor from the Kerala Technological University all such costs, damages and expenses they may have sustained incurred or been put to by reason of the purchase made elsewhere or by reason of this contract having been so put an end to as aforesaid and also all such difference in price, compensation, loss, costs, damages, expenses and other moneys as shall for the time being be payable by the contractor aforesaid.

b) In case any difference or dispute arises in connection with the contract, all legal proceedings relating to the matter shall be instituted in the Court within whose jurisdiction the The Registrar, Kerala Technological University voluntarily resides.

20. Any sum of money due and payable to the contractor(including security deposit returnable to him) under the contract may be appropriated by The Registrar, Kerala Technological University or the Kerala Technological University or any other person authorized by the Kerala Technological University and set off against any claim of The Registrar, Kerala Technological University or the Kerala Technological University for the payment of a sum money arising out of or under any other contract made by the contractor with the Registrar, Kerala Technological University or the Kerala Technological University or any other person authorized by the Kerala Technological University. Any sum of money due and payable to the successful tenderer or contractor from the Kerala Technological University shall be adjusted against any sum of money due to the Kerala Technological University from him under any other contracts.

21. Every notice thereby required or authorized to be given may be either give to the contractor personally or left at his residence or last known place or abode o business, or may be handed over to his agent personally, or may be addressed to the contractor by post at his usual or last known place or abode or business and if so addressed and posted, shall be deemed to have been served on the contractor on the date on which, in the ordinary course of post a letter so addressed and posted would reach his place of abode or business.

22. The tenderer shall undertake to supply materials according to the standard sample and/or specification.

23. a) No representation for enhancement of rates once accepted will be considered.

b) In the case of imported goods, when the price accepted is the ex-site price quoted by the tenderer, the benefit of any reduction in the c.i.f. price should accrue to the University.

24. Any attempt on the part of the tenderers or their agents to influence the Kerala Technological University in their favour by personal canvassing with the officer concerned will disqualify the tenderers.

25. Tenderers should be prepared to accept orders subject to the penalty clause for forfeiture of security in the event if default in supplies or failure to supply within the stipulated period.

26. The price quoted should be inclusive of all taxes, duties, cesses, etc, which are or may become payable by the contractor under existing or future laws or rules of the country of origin/supply or delivery during the course of execution of the contract.

27. The tenderer will invariably furnish the following certificates with their bills for payment.

“Certified that the goods on which sales tax has been charged have not been exempted under the Central Sales Tax Act or the State Sales Tax Act or the Rule made there under and the charges on account of Sales Tax on these goods are correct under the provisions of the relevant act or the rules made there under. Certified further that we (or our Branch or Agent).....
.....(Address) are registered as dealers in the State of.....
..... under Registration Nofor the purpose of Sale Tax”.

28. Final payments will be made only on production by tenderers the tax clearance certificates relating to Agricultural Income Tax, Sales Tax and Income Tax.

29. Special conditions, if any, of the tenderers attached with the tender will not be applicable to the contract unless they are expressly accepted in writing by the purchaser.

30. The tenderer should send along with this tender an agreement executed and signed in Kerala stamp paper worth Rs. 100/-. A specimen form of agreement is given as annexure to this tender. Tenders without the agreement in stamp paper will be rejected outright.

SCHEDULE OF MATERIALS ATTACHED

Technical Specifications

1. Blade Server Chassis (Enclosure) : 1 No.

- (i) Blade Chassis shall accommodate minimum 14 number of latest generation blade servers with at least 2 numbers of CPU and 2 numbers of hot swappable HDDs / storage servers, interconnect modules, power suppliers, Fans and Management modules.
- (ii) It shall include all accessories so that it can be mounted on industry standard rack occupying preferably 9U/10 space.
- (iii) It shall support Intel Xeon / AMD / RISC / EPIC based blade servers
- (iv) It shall support hot pluggable and redundant Management Modules to support all types of blades and support simultaneous remote access for different servers in the enclosure
- (v) It shall provide highly reliable and high performance mid / back plane design (shared multi-terabit high speed)
- (vi) It shall have support for wide array of fabrics including Virtual Fabric, Ethernet, Fiber Channel, FCoE, Infini Band, iSCSI, SAS offering hot pluggable & redundancy features.
- (vii) It shall be fully populated with Hot-plug power supplies (230+/-10%, 50 Hz), shall support N+N and N+1 redundancy configuration and shall offer choice of a single phase or three phase power subsystem for flexibility. Power supplies should be that are 94% efficient and 80 PLUS Platinum certified.
- (viii) It shall be supplied with the PDUs to connect power cables to the chassis power input terminals.
- (ix) It shall be fully populated with Hot-plug fans or blowers for cooling with adequate redundancy built in for the entire enclosure & its components (with minimum power consumption and acoustics)
- (x) It shall be complete with required number of Managed L2/L3 Gigabit Switches to provide at least two number of 1 Gb/s ports connectivity from each Blade Server with two 1Gb uplink ports.
- (xi) **Management Module** which provides a single point of control for intelligent management of the entire console. It should provide setup & control of Enclosure, should report asset and inventory information for all the devices in the Enclosure. It should report Thermal & Power information on per server & Enclosure basis.

- (xii) Remote Management: it shall provide a real time virtual KVM functionalities & access for all the Server Blades and be able to perform a remote power sequence. It shall have ability to map the remote media to the server and ability to transfer files from the users' system folders to the remote server. It shall have the ability to capture the video sequence of last failure and boot sequence and also play back the video captured. It shall have the ability for multiple administrators across remote locations to collaborate on the remote session.
- (xii) It shall have the capability of deploying multiple Operating Systems on the servers simultaneously and also be able to schedule deployment as and when needed; shall have the capability of capturing and deploying OS images ; shall have capability of configuring the hardware and change system setting such as RAID level before the deployment of OS and shall have capability of capturing the hardware setting and replacing it across servers.
- (xiii) Performance Management and Alerting: It shall have the ability to perform a hardware level (32 bit & 64 bit) measurement and to monitor CPU, I/O, Memory, Storage & Network. It shall have ability to provide comprehensive recommendations for the issue and the resolution. It shall have the ability to automatically trigger events and alerts based on performance issues or thresholds set.
- (xiv) Integration with Enterprise Management Software: It shall have the ability to get event and traps from the Data Center equipments. It must integrate with the higher level management such as OpenView, Tivoli & UniCenter. It also must also have the ability to send the alerts directly to the user via a secure connection for a quick fix.
- (xv) Contract & Warranty Management: It shall be able to track warranty information of servers and also send alerts when the warranty is about to expire. It must also be able to keep track of all hardware, firmware and basic software and generate comprehensive reports for the same. It must also provide the ability to automatically mail the report as scheduled.
- (xvi) Power Management: It shall be able to show the actual power usage and actual thermal measurements data of the servers. It must also show a historical trend of power and temperature and generate comprehensive power reports. It shall be able to automatically shutdown the servers if required, based on user policies and schedules. It must be able to dynamically optimize the power usage and performance based on server workload policy. It must be able to cap the power of individual server or a group of servers and be able to intelligently assign the power to the appropriate server in the pool based on policy settings.
- (xvii) It shall provide a fully Automated Vulnerability assessment for Microsoft & Redhat Operating Systems and be able to generate comprehensive Vulnerability reports.
- (xviii) Warranty : 3 year 24x7 4Hour response comprehensive warranty

2. Xeon Blade Server with 2 Processors & 64 GB RAM (configuration 1) : 2 Nos.

- (i) CPU Sockets : Populated with **two** processor with facility for upgradation to minimum two Xeon processors
- (ii) CPU : **2** x Intel Xeon E5-2640 V3 64 Bit / 8 Core (/16 threads) latest generation processor with 2.6 Ghz , 20MB L3 smart cache, 1600/1866 DDR4, 8GT/s, 1.3 V, 90 W Or higher
- (iii) Mother board : Intel® C610 Series Chipset or better
- (iv) Cache Memory : 20MB L3 cache or higher
- (v) Memory : **64** GB DDR4 Load Reduced DIMM (LRDIMM) work at 1866 MHz (or higher), 1.2V (Advanced ECC with multi-bit error protection and memory online spare mode) or better - scalable to at least upto 512GB.
- (vi) Hard Disk Drive : 2 x 600 GB 10K rpm hot plug SFF SAS drives or higher
- (vii) Hard Disk Controller : Integrated PCIe 3.0 based 12G SAS Raid Controller with RAID 0, 1 with 1GB of Flash backed write cache onboard or better
- (viii) Multifunction ports : Dual Port 20GbE Converged Network Adaptor
- (ix) Fiber channel ports : Should be capable of supporting 16 Gbps Dual port Fiber Channel HBA internal to the Server Blade or better (connectivity to SAN)
- (x) Graphics : Integrated G200eh video controller or better
- (xi) Interfaces : Minimum of 1 x internal USB 3.0 port and 1x internal SDHC card slot or equivalent facility
- (xii) Bus Slots : Minimum of 2Nos of 3.0 PCIe x16 based mezzanine slots supporting Converged Ethernet, Ethernet, FC adapters, SAS and IB adaptors
- (xiii) Keyboard : Virtual KVM based remote control
- (xiv) OS support : Microsoft Windows Server / Red Hat Enterprise Linux (RHEL) / SUSE Linux Enterprise Server (SLES) / Canonical Ubuntu / Oracle Solaris / VMware / Citrix Xen Server

(xv) Management

: System remote management:

It have to support browser based Graphical Remote Console along with Virtual Power button, Remote boot using USB / CD/ DVD Drive. It should be capable of offering upgrade of software and patches from a remote client using Media / image/folder; It shall support server power capping and historical reporting and should have support for multifactor authentication.

Dedicated remote management port should be provided and it should be able to download the firmware from the website directly or from internal system. Server should support automated firware update.

It shall support agent-less management using the out-of-band remote management port. Remote management port should have 4GB NAND flash with 1GB available for user access (for keeping system logs and downloading firmware from OEM website or internal repository)

It shall support Active Health System which monitors and records continuously every hardware change, every configuration change, temperature and voltage variations, and alerts changes in the server hardware and system configuration without impacting server performance. This assists in diagnosing problems and delivering rapid resolution when system failures occur.

Applications to access the server remotely using popular handheld devices based on Android or Apple IOS should be available

Should support managing multiple servers as one via - Group Power Control / Group Power Capping / Group Firmware Update / Group Configuration / Group Virtual Media / Group License Activation

It shall support remote console sharing upto minimum 4 users simultaneously during pre-OS and OS runtime operation, Console Replay that captures and stores and supports replay of 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. It shall provide support for AES and 3DES on browser. It should provide remote firmware update functionality. It should provide support for Java free graphical remote console.

Server Management :

Software should support dashboard view to quickly scan the managed resources to assess the overall health of the data center. It should provide an at-a-glance visual health summary of the resources user is authorized to view.

The Dashboard minimum should display a health summary of the following - Server Profiles / Server Hardware / Enclosures / Logical Interconnects / Appliance alerts

The Systems Management software should provide Role-based security

Software should support search for resource-specific information such as specific instances of resource names, serial numbers, WWNs, IP and MAC addresses to help manage infrastructure better

Management software should support integration with popular virtualization platform management software like vCenter, SCVMM and RedHat RHEV

It shall help provide proactive notification of actual or impending component failure alerts on critical components like CPU, Memory and HDD.

It shall provide an online portal that can be accessible from anywhere. The portal should provide one stop, online access to the product, support information and provide information to track warranties, support contracts and status. The Portal should also provide a personalized dashboard to monitor device health, hardware events, contract and warranty status. It should provide a visual status of individual devices and device groups. The Portal should be available on premise (at our location - console based) or off premise (in the cloud).

It shall help to proactively identify out-of-date BIOS, drivers, and Server Management agents and enable the remote update of system software/firmware components.

- (xvi) Industry Standard Compliance : CE or UL certified for safety / RoSH compliant / ACPI 2.0 / Microsoft® Logo certifications / USB 3.0 Support / IPMI 2.0 / Secure Digital 2.0 / TPM 1.2 Support IEEE (specific IEEE standards depending on Ethernet adapter card(s) installed) / Advanced Encryption Standard (AES)/ Triple Data Encryption Standard (3DES) / SNMP / SSL 2.0 / DMTF Systems Management Architecture for Server Hardware Command Line Protocol (SMASH CLP) / Active Directory v1.0 / PCIe 3.0 /ASHRAE A3
- (xvii) Warranty : 3 year 24x7 4Hour response comprehensive warranty

3. Xeon Bade Server with 1 Processor & 32 GB RAM (configuration 2) : 2 Nos.

- (i) CPU Sockets : Populated with **one** processor with facility for upgradation to minimum two Xeon processors
- (ii) CPU : **1** x Intel Xeon E5-2640 V3 64 Bit / 8 Core (/16 threads) latest generation processor with 2.6 Ghz , 20MB L3 smart cache, 1600/1866 DDR4, 8GT/s, 1.3 V, 90 W Or higher
- (iii) Mother board : Intel® C610 Series Chipset or better
- (iv) Cache Memory : 20MB L3 cache or higher
- (v) Memory : **32** GB DDR4 Load Reduced DIMM (LRDIMM) work at 1866 MHz (or higher), 1. 2V (Advanced ECC with multi-bit error protection and memory online spare mode) or better - scalable to at least upto 512GB.
- (vi) Hard Disk Drive : 2 x 600 GB 10K rpm hot plug SFF SAS drives or higher
- (vii) Hard Disk Controller : Integrated PCIe 3.0 based 12G SAS Raid Controller with RAID 0, 1 with 1GB of Flash backed write cache onboard or better
- (viii) Multifunction ports : Dual Port 20GbE Converged Network Adaptor

- (ix) Fiber channel ports : Should be capable of supporting 16 Gbps Dual port Fiber Channel HBA internal to the Server Blade or better (connectivity to SAN)
- (x) Graphics : Integrated G200eh video controller or better
- (xi) Interfaces : Minimum of 1 x internal USB 3.0 port and 1x internal SDHC card slot or equivalent facility
- (xii) Bus Slots : Minimum of 2Nos of 3.0 PCIe x16 based mezzanine slots supporting Converged Ethernet, Ethernet, FC adapters, SAS and IB adaptors
- (xiii) Keyboard : Virtual KVM based remote control
- (xiv) OS support : Microsoft Windows Server / Red Hat Enterprise Linux (RHEL) / SUSE Linux Enterprise Server (SLES) / Canonical Ubuntu / Oracle Solaris / VMware / Citrix Xen Server
- (xv) Management : System remote management:
- It have to support browser based Graphical Remote Console along with Virtual Power button, Remote boot using USB / CD/ DVD Drive. It should be capable of offering upgrade of software and patches from a remote client using Media / image/folder; It shall support server power capping and historical reporting and should have support for multifactor authentication.
- Dedicated remote management port should be provided and it should be able to download the firmware from the website directly or from internal system. Server should support automated firware update.
- It shall support agent-less management using the out-of-band remote management port. Remote management port should have 4GB NAND flash with 1GB available for user access (for keeping system logs and downloading firmware from OEM website or internal repository)

It shall support Active Health System which monitors and records continuously every hardware change, every configuration change, temperature and voltage variations, and alerts changes in the server hardware and system configuration without impacting server performance. This assists in diagnosing problems and delivering rapid resolution when system failures occur.

Applications to access the server remotely using popular handheld devices based on Android or Apple IOS should be available

Should support managing multiple servers as one via - Group Power Control / Group Power Capping / Group Firmware Update / Group Configuration / Group Virtual Media / Group License Activation

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It shall help provide proactive notification of actual or impending component failure alerts on critical components like CPU, Memory and HDD.

It shall provide an online portal that can be accessible from anywhere. The portal should provide one stop, online access to the product, support information and provide information to track warranties, support contracts and status. The Portal should also provide a personalized dashboard to monitor device health, hardware events, contract and warranty status. It should provide a visual status of individual devices and device groups. The Portal should be available on premise (at our location - console based) or off premise (in the cloud).

It shall help to proactively identify out-of-date BIOS, drivers, and Server Management agents and enable the remote update of system software/firmware components.

(xvi) Industry Standard Compliance : CE or UL certified for safety / RoSH compliant / ACPI 2.0 / Microsoft® Logo certifications / USB 3.0 Support / IPMI 2.0 / Secure Digital 2.0 / TPM 1.2 Support IEEE (specific IEEE standards depending on Ethernet adapter card(s) installed) / Advanced Encryption Standard (AES)/ Triple Data Encryption Standard (3DES) / SNMP / SSL 2.0 / DMTF Systems Management Architecture for Server Hardware Command Line Protocol (SMASH CLP) / Active Directory v1.0 / PCIe 3.0 /ASHRAE A3

(xvii) Warranty : 3 year 24x7 4Hour response comprehensive warranty

I. SCHEDULE OF MATERIALS

<i>Sl. No.</i>	<i>Specifications</i>	<i>Qty</i>	<i>Unit</i>	<i>Rate (Rs. P.)</i>	<i>Total (Rs. P.)</i>	<i>Taxes (Rs. P.)</i>	<i>Total with taxes (Rs. P.)</i>	<i>Remarks</i>
<i>1</i>	<i>2</i>	<i>3</i>	<i>4</i>	<i>5</i>	<i>6</i>	<i>7</i>	<i>8</i>	<i>9</i>
1	Blade Server Chassis (Enclosure) <i>(as per Technical Specification)</i>	1	No					
2	Xeon Bade Server with 2 Processors and 64 GB RAM (configuration 1) <i>(as per Technical Specification)</i>	2	No					
3	Xeon Bade Server with 1 Processor and 32 GB RAM (configuration 2) <i>(as per Technical Specification)</i>	2	No					
<i>Total</i>								

Total in words

Period within which goods should be delivered: *Within 45 days of receipt of Purchase Order*

Rates should be quoted for delivery at new State Data Centre, Govt of Kerala, Thiruvananthapuram

Signature with Seal

II. AMC FOR THE FIRST YEAR AFTER WARRANTY OF 3 YEARS

<i>Sl. No.</i>	<i>Specifications</i>	<i>Qty</i>	<i>Unit</i>	<i>Rate (Rs. P.)</i>	<i>Total (Rs. P.)</i>	<i>Remarks</i>
1	2	3	4	5	6	7
1	Blade Server Chassis (Enclosure) <i>(as per Technical Specification)</i>	1	No			
2	Xeon Bade Server with 2 Processors and 64 GB RAM (configuration 1) <i>(as per Technical Specification)</i>	2	No			
3	Xeon Bade Server with 1 Processor and 32 GB RAM (configuration 2) <i>(as per Technical Specification)</i>	2	No			
<i>Total (in words) :</i>						

III. AMC FOR THE SECOND YEAR AFTER WARRANTY OF 3 YEARS

<i>Sl. No.</i>	<i>Specifications</i>	<i>Qty</i>	<i>Unit</i>	<i>Rate (Rs. P.)</i>	<i>Total (Rs. P.)</i>	<i>Remarks</i>
1	2	3	4	5	6	7
1	Blade Server Chassis (Enclosure) <i>(as per Technical Specification)</i>	1	No			
2	Xeon Bade Server with 2 Processors and 64 GB RAM (configuration 1) <i>(as per Technical Specification)</i>	2	No			
3	Xeon Bade Server with 1 Processor and 32 GB RAM (configuration 2) <i>(as per Technical Specification)</i>	2	No			
<i>Total (in words):</i>						

Signature with Seal

IV. Conformity Statement

1. Blade Server Chassis (Enclosure)

Make :

Model No. / Part No.

Sl. No.	Tender Specification	Specification of the Proposed Equipment / Component with Model No and Part No. if any	Deviation if any from Tender Specification
(i)	Blade Chassis shall accommodate minimum 14 number of latest generation blade servers with at least 2 numbers of CPU and 2 numbers of hot swappable HDDs / storage servers, interconnect modules, power suppliers, Fans and Management modules.		
(ii)	It shall include all accessories so that it can be mounted on industry standard rack occupying preferably 9U/10 space.		
(iii)	It shall support Intel Xeon / AMD / RISC / EPIC based blade servers		
(iv)	It shall support hot pluggable and redundant Management Modules to support all types of blades and support simultaneous remote access for different servers in the enclosure		
(v)	It shall provide highly reliable and high performance mid / back plane design (shared multi-terabit high speed)		

(vi)	It shall have support for wide array of fabrics including Virtual Fabric, Ethernet, Fiber Channel, FCoE, Infini Band, iSCSI, SAS offering hot pluggable & redundancy features.		
(vii)	It shall be fully populated with Hot-plug power supplies (230+/-10%, 50 Hz), shall support N+N and N+1 redundancy configuration and shall offer choice of a single phase or three phase power subsystem for flexibility. Power supplies should be that are 94% efficient and 80 PLUS Platinum certified.		
(viii)	It shall be supplied with the PDUs to connect power cables to the chassis power input terminals.		
(ix)	It shall be fully populated with Hot-plug fans or blowers for cooling with adequate redundancy built in for the entire enclosure & its components (with minimum power consumption and acoustics)		
(x)	It shall be complete with required number of Managed L2/L3 Gigabit Switches to provide at least two number of 1 Gb/s ports connectivity from each Blade Server with two 1Gb uplink ports.		
(xi)	Management Module which provides a single point of control for intelligent management of the entire console. It should provide setup & control of Enclosure, should report asset and		

	inventory information for all the devices in the Enclosure. It should report Thermal & Power information on per server & Enclosure basis.		
	Remote Management: it shall provide a real time virtual KVM functionalities & access for all the Server Blades and be able to perform a remote power sequence. It shall have ability to map the remote media to the server and ability to transfer files from the users' system folders to the remote server. It shall have the ability to capture the video sequence of last failure and boot sequence and also play back the video captured. It shall have the ability for multiple administrators across remote locations to collaborate on the remote session.		
	It shall have the capability of deploying multiple Operating Systems on the servers simultaneously and also be able to schedule deployment as and when needed; shall have the capability of capturing and deploying OS images ; shall have capability of configuring the hardware and change system setting such as RAID level before the deployment of OS and shall have capability of capturing the hardware setting and replacing it across servers.		
	Performance Management and Alerting: It		

	<p>shall have the ability to perform a hardware level (32 bit & 64 bit) measurement and to monitor CPU, I/O, Memory, Storage & Network. It shall have ability to provide comprehensive recommendations for the issue and the resolution. It shall have the ability to automatically trigger events and alerts based on performance issues or thresholds set.</p>		
	<p>Integration with Enterprise Management Software: It shall have the ability to get event and traps from the Data Center equipments. It must integrate with the higher level management such as OpenView, Tivoli & UniCenter. It also must also have the ability to send the alerts directly to the user via a secure connection for a quick fix.</p>		
	<p>Contract & Warranty Management: It shall be able to track warranty information of servers and also send alerts when the warranty is about to expire. It must also be able to keep track of all hardware, firmware and basic software and generate comprehensive reports for the same. It must also provide the ability to automatically mail the report as scheduled.</p>		
	<p>Power Management: It shall be able to show the actual power usage and actual thermal measurements data of the servers. It must also show a historical trend of power and</p>		

	temperature and generate comprehensive power reports. It shall be able to automatically shutdown the servers if required, based on user policies and schedules. It must be able to dynamically optimize the power usage and performance based on server workload policy. It must be able to cap the power of individual server or a group of servers and be able to intelligently assign the power to the appropriate server in the pool based on policy settings.		
	It shall provide a fully Automated Vulnerability assessment for Microsoft & Redhat Operating Systems and be able to generate comprehensive Vulnerability reports.		
(xii)	Warranty : 3 year 24x7 4Hour response comprehensive warranty		

2. Xeon Bade Server with 2 Processors & 64 GB RAM (configuration 1)

Make :

Model No. / Part No.

Sl. No.	Tender Specification	Specification of the Proposed Equipment / Component with Model No and Part No. if any	Deviation if any from Tender Specification
(i)	CPU Sockets : Populated with two processor with facility for upgradation to minimum two Xeon processors		

(ii)	CPU : 2 x Intel Xeon E5-2640 V3 64 Bit / 8 Core (/16 threads) latest generation processor with 2.6 Ghz , 20MB L3 smart cache, 1600/1866 DDR4, 8GT/s, 1.3 V, 90 W Or higher		
(iii)	Mother board : Intel® C610 Series Chipset or better		
(iv)	Cache Memory : 20MB L3 cache or higher		
(v)	Memory: 64 GB DDR4 Load Reduced DIMM (LRDIMM) work at 1866 MHz (or higher), 1. 2V (Advanced ECC with multi-bit error protection and memory online spare mode) or better - scalable to at least upto 512GB.		
(vi)	Hard Disk Drive: 2 x 600 GB 10K rpm hot plug SFF SAS drives or higher		
(vii)	Hard Disk Controller : Integrated PCIe 3.0 based 12G SAS Raid Controller with RAID 0, 1 with 1GB of Flash backed write cache onboard or better		
(viii)	Multifunction ports : Dual Port 20GbE Converged Network Adaptor		
(ix)	Fiber channel ports : Should be capable of supporting 16 Gbps Dual port Fiber Channel HBA internal to the Server Blade or better (connectivity to SAN)		

(x)	Graphics: Integrated G200eh video controller or better		
(xi)	Interfaces : Minimum of 1 x internal USB 3.0 port and 1x internal SDHC card slot or equivalent facility		
(xii)	Bus Slots: Minimum of 2Nos of 3.0 PCIe x16 based mezzanine slots supporting Converged Ethernet, Ethernet, FC adapters, SAS and IB adaptors		
(xiii)	Keyboard: Virtual KVM based remote control		
(xiv)	OS support: Microsoft Windows Server / Red Hat Enterprise Linux (RHEL) / SUSE Linux Enterprise Server (SLES) / Canonical Ubuntu / Oracle Solaris / VMware / Citrix Xen Server		
(xv)	Management: System remote management: It have to support browser based Graphical Remote Console along with Virtual Power button, Remote boot using USB / CD/ DVD Drive. It should be capable of offering upgrade of software and patches from a remote client using Media / image/folder; It shall support server power capping and historical reporting and should have support for multifactor authentication.		
	Dedicated remote management port should be provided and it should be able to download the firmware from the website		

	directly or from internal system. Server should support automated firmware update.		
	It shall support agent-less management using the out-of-band remote management port. Remote management port should have 4GB NAND flash with 1GB available for user access (for keeping system logs and downloading firmware from OEM website or internal repository)		
	It shall support Active Health System which monitors and records continuously every hardware change, every configuration change, temperature and voltage variations, and alerts changes in the server hardware and system configuration without impacting server performance. This assists in diagnosing problems and delivering rapid resolution when system failures occur.		
	Applications to access the server remotely using popular handheld devices based on Android or Apple IOS should be available		
	Should support managing multiple servers as one via - Group Power Control / Group Power Capping / Group Firmware Update / Group Configuration / Group Virtual Media / Group License Activation		
	It shall support remote console sharing upto minimum 4 users simultaneously during pre-		

	<p>OS and OS runtime operation, Console Replay that captures and stores and supports replay of 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. It shall provide support for AES and 3DES on browser. It should provide remote firmware update functionality. It should provide support for Java free graphical remote console.</p>		
	<p>Server Management :</p> <p>Software should support dashboard view to quickly scan the managed resources to assess the overall health of the data center. It should provide an at-a-glance visual health summary of the resources user is authorized to view.</p>		
	<p>The Dashboard minimum should display a health summary of the following - Server Profiles / Server Hardware / Enclosures / Logical Interconnects / Appliance alerts</p>		
	<p>The Systems Management software should provide Role-based security</p>		
	<p>Software should support search for resource-specific information such as specific instances of resource names, serial numbers, WWNs, IP and MAC addresses to help manage</p>		

	infrastructure better		
	Management software should support integration with popular virtualization platform management software like vCenter, SCVMM and RedHat RHEV		
	It shall help provide proactive notification of actual or impending component failure alerts on critical components like CPU, Memory and HDD.		
	It shall provide an online portal that can be accessible from anywhere. The portal should provide one stop, online access to the product, support information and provide information to track warranties, support contracts and status. The Portal should also provide a personalized dashboard to monitor device health, hardware events, contract and warranty status. It should provide a visual status of individual devices and device groups. The Portal should be available on premise (at our location - console based) or off premise (in the cloud).		
	It shall help to proactively identify out-of-date BIOS, drivers, and Server Management agents and enable the remote update of system software/firmware components.		
(xvi)	Industry Standard Compliance : CE or UL		

	certified for safety / RoSH compliant / ACPI 2.0 / Microsoft® Logo certifications / USB 3.0 Support / IPMI 2.0 / Secure Digital 2.0 / TPM 1.2 Support IEEE (specific IEEE standards depending on Ethernet adapter card(s) installed) / Advanced Encryption Standard (AES)/ Triple Data Encryption Standard (3DES) / SNMP / SSL 2.0 / DMTF Systems Management Architecture for Server Hardware Command Line Protocol (SMASH CLP) / Active Directory v1.0 / PCIe 3.0 /ASHRAE A3		
(xvii)	Warranty: 3 year 24x7 4Hour response comprehensive warranty		

3. Xeon Bade Server with 1 Processor & 32 GB RAM (configuration 2)

Make :

Model No. / Part No.

Sl. No.	Tender Specification	Specification of the Proposed Equipment / Component with Model No and Part No. if any	Deviation if any from Tender Specification
(i)	CPU Sockets : Populated with one processor with facility for upgradation to minimum two		

	Xeon processors		
(ii)	CPU : 1 x Intel Xeon E5-2640 V3 64 Bit / 8 Core (/16 threads) latest generation processor with 2.6 Ghz , 20MB L3 smart cache, 1600/1866 DDR4, 8GT/s, 1.3 V, 90 W Or higher		
(iii)	Mother board : Intel® C610 Series Chipset or better		
(iv)	Cache Memory : 20MB L3 cache or higher		
(v)	Memory: 32 GB DDR4 Load Reduced DIMM (LRDIMM) work at 1866 MHz (or higher), 1. 2V (Advanced ECC with multi-bit error protection and memory online spare mode) or better - scalable to at least upto 512GB.		
(vi)	Hard Disk Drive: 2 x 600 GB 10K rpm hot plug SFF SAS drives or higher		
(vii)	Hard Disk Controller : Integrated PCIe 3.0 based 12G SAS Raid Controller with RAID 0, 1 with 1GB of Flash backed write cache onboard or better		
(viii)	Multifunction ports : Dual Port 20GbE Converged Network Adaptor		
(ix)	Fiber channel ports : Should be capable of supporting 16 Gbps Dual port Fiber Channel HBA internal to the Server Blade or better		

	(connectivity to SAN)		
(x)	Graphics: Integrated G200eh video controller or better		
(xi)	Interfaces : Minimum of 1 x internal USB 3.0 port and 1x internal SDHC card slot or equivalent facility		
(xii)	Bus Slots: Minimum of 2Nos of 3.0 PCIe x16 based mezzanine slots supporting Converged Ethernet, Ethernet, FC adapters, SAS and IB adaptors		
(xiii)	Keyboard: Virtual KVM based remote control		
(xiv)	OS support: Microsoft Windows Server / Red Hat Enterprise Linux (RHEL) / SUSE Linux Enterprise Server (SLES) / Canonical Ubuntu / Oracle Solaris / VMware / Citrix Xen Server		
(xv)	Management: System remote management: It have to support browser based Graphical Remote Console along with Virtual Power button, Remote boot using USB / CD/ DVD Drive. It should be capable of offering upgrade of software and patches from a remote client using Media / image/folder; It shall support server power capping and historical reporting and should have support for multifactor authentication.		

	<p>Dedicated remote management port should be provided and it should be able to download the firmware from the website directly or from internal system. Server should support automated firmware update.</p>		
	<p>It shall support agent-less management using the out-of-band remote management port. Remote management port should have 4GB NAND flash with 1GB available for user access (for keeping system logs and downloading firmware from OEM website or internal repository)</p>		
	<p>It shall support Active Health System which monitors and records continuously every hardware change, every configuration change, temperature and voltage variations, and alerts changes in the server hardware and system configuration without impacting server performance. This assists in diagnosing problems and delivering rapid resolution when system failures occur.</p>		
	<p>Applications to access the server remotely using popular handheld devices based on Android or Apple IOS should be available</p>		
	<p>Should support managing multiple servers as one via - Group Power Control / Group Power Capping / Group Firmware Update / Group Configuration / Group Virtual Media / Group</p>		

	License Activation		
	It shall support remote console sharing upto minimum 4 users simultaneously during pre-OS and OS runtime operation, Console Replay that captures and stores and supports replay of 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. It shall provide support for AES and 3DES on browser. It should provide remote firmware update functionality. It should provide support for Java free graphical remote console.		
	Server Management : Software should support dashboard view to quickly scan the managed resources to assess the overall health of the data center. It should provide an at-a-glance visual health summary of the resources user is authorized to view.		
	The Dashboard minimum should display a health summary of the following - Server Profiles / Server Hardware / Enclosures / Logical Interconnects / Appliance alerts		
	The Systems Management software should provide Role-based security		
	Software should support search for resource-		

	specific information such as specific instances of resource names, serial numbers, WWNs, IP and MAC addresses to help manage infrastructure better		
	Management software should support integration with popular virtualization platform management software like vCenter, SCVMM and RedHat RHEV		
	It shall help provide proactive notification of actual or impending component failure alerts on critical components like CPU, Memory and HDD.		
	It shall provide an online portal that can be accessible from anywhere. The portal should provide one stop, online access to the product, support information and provide information to track warranties, support contracts and status. The Portal should also provide a personalized dashboard to monitor device health, hardware events, contract and warranty status. It should provide a visual status of individual devices and device groups. The Portal should be available on premise (at our location - console based) or off premise (in the cloud).		
	It shall help to proactively identify out-of-date BIOS, drivers, and Server Management agents and enable the remote update of system		

	software/firmware components.		
(xvi)	<p>Industry Standard Compliance : CE or UL certified for safety / RoSH compliant /</p> <p>ACPI 2.0 / Microsoft® Logo certifications / USB 3.0 Support / IPMI 2.0 / Secure Digital 2.0 / TPM 1.2 Support IEEE (specific IEEE standards depending on Ethernet adapter card(s) installed) / Advanced Encryption Standard (AES)/ Triple Data Encryption Standard (3DES) / SNMP / SSL 2.0 / DMTF Systems Management Architecture for Server Hardware Command Line Protocol (SMASH CLP) / Active Directory v1.0 / PCIe 3.0 /ASHRAE A3</p>		
(xvii)	Warranty: 3 year 24x7 4Hour response comprehensive warranty		

Note: The Detailed Brochure / Data Sheet is to be attached for each item (/component)

Signature with Seal

Other special conditions:

Evaluation of Tender:

Purchaser's evaluation of bid will take into account, in addition to the bid price, the cost of 2 years maintenance service charge after the warranty period will be added to bid price after discounting to the net present values at a discount rate of 8 percent.

Incidental Services:

The supplier may be required to provide the following services and the cost shall be included in the contract price:

- a. Performance of the on-site assembly, commissioning and start-up of the equipment.
- b. Furnishing the detailed operation and maintenance manuals for each items of supply.
- c. Training of the Purchaser's personnel in the installation and operation of the computer hardware, utilities and all contracted software.
- d. Maintenance and repair of the equipment during the warranty period including supply of all spares.
- e. Maintenance and/or repairs of the supplied goods for a period of three years after the end of the warranty period. The Annual Maintenance Contract (AMC) will be comprehensive and will cover the cost of all the spare parts required for replacement/repair the blade system. AMC should assure 99% uptime of all blade systems/accessories .

Payment Terms:

Payment for Goods and Services shall be made in Indian Rupees as follows:

- (i) *On Final Acceptance:* The Contract Price of the goods received excluding maintenance (AMC) shall be paid within 30 days after the date of the Acceptance Certificate issued by the Purchaser's representative for the respective delivery, commissioning and training
- (ii) The annual maintenance and repair cost (after warranty period) shall be paid in equal half-yearly installments at the end of each half-year from the date of completion of the warranty subject to satisfactory services rendered as specified in the tender form and the resultant contract as per the rates quoted in the price schedule against a bank guarantee for 2.5% of the cost of the equipment as performance security.

Warranty Conditions:

Warranty shall remain valid for 36 months after the equipment have been delivered, commissioned and accepted at the final destination indicated in the Contract, or for 39 months after the date of receipt of goods whichever period concludes earlier.

Upon receipt of any complaints from the Purchaser, the Supplier, within the warranty period, repair or replace the defective goods or parts thereof, free of cost at the ultimate destination. The Supplier shall take over the replaced parts/goods at the time of their replacement. No claim whatsoever shall lie on the Purchaser for the replaced parts/goods thereafter. In the event of any correction of defects or replacement of defective material during the warranty period, the warranty for the corrected/replaced material shall be extended to a further period of 36 months.

The period for correction of defects in the warranty period is 24 hrs. (24 x 7 support with 4 hrs response time depending on the criticality of the issue)

Supplier shall guarantee a 99.99% uptime of Blade systems/peripherals during peak time and 99% during non-peak time

If any computer systems/s gives continuous trouble, say six times in one month during the warranty period, the supplier shall replace the system with new system without any additional cost to the purchaser.

Maintenance service

- i) Free maintenance services shall be provided by the Supplier during the period of warranty. After warranty period, for next two years, annual maintenance and repairs of the entire system including supply of spares etc. will be done by the Supplier. The annual maintenance and repair cost (after warranty period) shall be paid in equal half-yearly installments at the end of each half-year from the date of completion of the warranty subject to satisfactory services rendered as specified in the tender document and the resultant contract as per the rates quoted in the price schedule.
- ii) “The maximum response time for maintenance complaint from the destinations specified in the Tender (i.e. time required for supplier’s maintenance engineer to report at the installation or to correct the faults online, after a request call/email is made) shall be 15 Min to 4 hours depending on the criticality of the issue and the time taken to rectify the faults shall not exceed 24 hours.
- iii) In case an item is not usable beyond the stipulated maximum downtime the supplier will be required to arrange for an immediate replacement of the same till it is repaired.

Failure to arrange for the immediate repair/replacement will be liable for a penalty of Rs. 1000 per day per item. The amount of penalty will be recovered from the Performance Security guarantee during warranty period. During annual maintenance contract period, the penalty of Rs. 1000 per item per day will be recovered from the amount of annual maintenance charges.

- iv) The Purchaser reserves the right to terminate maintenance and repairs contract, after warranty period, at any time without assigning any reasons and the Supplier cannot claim any compensation in this respect.

Qualification Criteria of the Bidders:

- (1) OEM should be listed in IDC or magic quadrant of GARTNER during the previous year.
(Documentary evidence to be attached)
- (2) In the tender, either Principal/OEM or the authorized representative on behalf of the Principal / OEM can bid but both cannot bid simultaneously. Tender of bidder quoting as authorized representative of a Principal/OEM will be considered only if the manufacturer furnishes authorization assuring full guarantee and warranty obligations and back to back service support during the AMC period after warranty. The Bidder must be an established firm in supply and commissioning of Server class machines for at least two years. *[The Bidder should furnish the following Copies of original documents defining the constitutional or legal status, place of registration and principal place of business of company or firm or partnership and Report on financial standing of the Bidder such as profit and loss statement, balance sheet and auditor's report for the past two years, bankers certificates etc.]*
- (3) If a bidder submit tender on behalf of the principal/OEM, that bidder shall not submit another tender on behalf of another Principal/OEM
- (4) The Blade Servers / Enclosures and allied accessories similar to the type specified in the schedule of requirements should be commissioned in at least 10 locations in South India preferably in the state Kerala and must be in satisfactory operation for at least 6 months on the date of tender opening. *[The Bidder should furnish the information on 10 installations the machines similar to the type specified in the schedule of requirements that have been commissioned within 2 years and satisfactory performance report from users in the South India]*
- (5) The OEM/Principal should certify the product / model no being quoted against the tender is currently undergoing production and have not been discontinued by them. The OEM shall further undertake that they shall continue to provide support to the product/model no. being quoted, during the warrant period and AMC period after warranty.

- (6) The Principal/OEM must have at least one Service Centre in South India with Service Engineer for the specified product and for the State of Kerala. *[The details of Service Centers with contact details and information on service support facilities that would be provided during and after warranty period]*
- (7) The Bidder shall furnish OEM certificate covering all parameters shall be furnished for fully populated maximum no. of blades in each category and the maximum power consumption of the system.

Delivery Period : Within 45 days on receipt of Purchase Order

Tender Validity: 3 months from date of opening of Tender

Earnest Money Deposit : 1% of the quoted amount as DD in favor of Registrar,
Technological University

V. Check List

(Verify Tender Document contains following)

Sl. No	Particulars	Yes / No
1.	Tender with Schedule of Requirements, AMC for 4 th and 5 th year	
2.	Conformity Statement (duly filled)	
3.	EMD as Demand Drafts (crossed) in favor of Registrar, Kerala Technological University	
4.	Agreement executed in Kerala Stamp Paper	
5.	Documentary evidence of OEM listed in IDC or magic quadrant of GARTNER during the previous year.	
6.	Manufacturer's Authorization assuring full guarantee and warranty obligations and back to back service support during the AMC period (of 2 years) after warranty (of 3 years); in the case of a dealer quoted for the manufacture	
7.	Certificate from OEM/Principal should stating the product / model no being quoted against the tender is currently undergoing production and have not been discontinued by them. The OEM shall further undertake that they shall continue to provide support to the product/model no. being quoted, during the warrant period and AMC period after warranty.	
8.	OEM certificate covering all parameters shall be furnished for fully populated maximum no. of blades in each category and the maximum power consumption of the system.	
9.	Copies of original documents defining the constitutional or legal status, place of registration and principal place of business of company or firm or partnership	
10.	Report on financial standing of the Bidder such as profit and loss statement, balance sheet and auditor's report for the past two years, bankers certificates etc.	
11.	The information on 10 installations the machines similar to the type specified in the schedule of requirements that have been	

	commissioned within 2 years and satisfactory performance report from users in the South India	
12.	The details of Service Centers with contact details and information on service support facilities that would be provided during and after warranty period	
13.	The Detailed Brochure / Data Sheet	
14.	Check List (duly filled)	

Signature with Seal