INVITATION FOR QUOTATION

TEQIP-III/2018/iies/Shopping/23 **22-Apr-2018**

To,

Sub: Invitation for Quotations for supply of Goods

Dear Sir,

1. You are invited to submit your most competitive quotation for the following goods with item wise detailed specifications given at Annexure I,

Sr. No	Brief Description	Quantity	Delivery Period(In days)	Place of Delivery	Installation Requirement (if any)
1	Rack mountable Server	1	30	Computer Science & Technology Department, IIEST	INSTALLATION REQUIRED

2. Government of India has received a credit from the International Development Association (IDA) towards the cost of the **Technical Education Quality Improvement Programme[TEQIP]-Phase III** Project and intends to apply part of the proceeds of this credit to eligible payments under the contract for which this invitation for quotations is issued.
3. Quotation,

   3.1 The contract shall be for the full quantity as described above.

   3.2 Corrections, if any, shall be made by crossing out, initialing, dating and re writing.

3.3 All duties and other levies payable by the supplier under the contract shall be included in the unit price.

3.4 Applicable taxes shall be quoted separately for all items.

3.5 The prices quoted by the bidder shall be fixed for the duration of the contract and shall not be subject to adjustment on any account.

3.6 The Prices should be quoted in Indian Rupees only.

4. Each bidder shall submit only one quotation.
5. Quotation shall remain valid for a period not less than **40** days after the last date of quotation submission.
6. Evaluation of Quotations,

   The Purchaser will evaluate and compare the quotations determined to be substantially responsive i.e. which

   6.1 are properly signed ; and

   6.2 confirm to the terms and conditions, and specifications.
7. The Quotations would be evaluated for all items together.
8. Award of contract:

   The Purchaser will award the contract to the bidder whose quotation has been determined to be substantially responsive and who has offered the lowest evaluated quotation price.

   8.1 Notwithstanding the above, the Purchaser reserves the right to accept or reject any quotations and to cancel the bidding process and reject all quotations at any time prior to the award of contract.

   8.2 The bidder whose bid is accepted will be notified of the award of contract by the Purchaser prior to expiration of the quotation validity period. The terms of the accepted offer shall be incorporated in the purchase order.
9. Payment shall be made in Indian Rupees as follows:

   Delivery and Installation - 90% of total cost

   Satisfactory Acceptance - 10% of total cost

10. All supplied items are under warranty of **36** months from the date of successful acceptance of items.
11. You are requested to provide your offer latest by **15:00** hours on **16-May-2018 .**
12. Detailed specifications of the items are at Annexure I.
13. Training Clause (if any) **Training required**
14. Testing/Installation Clause (if any) **Testing and Installation required**
15. Information brochures/ Product catalogue, if any must be accompanied with the quotation clearly indicating the model quoted for.
16. Sealed quotation to be submitted/ delivered at the address mentioned below,

    P.O: Botanic Garden Dist: Howrah West Bengal 711103
17. We look forward to receiving your quotation and thank you for your interest in this project.

(Dr. Ankita Pramanik)

Nodal Officer (Procurement), TEQIP-III

IIEST, Shibpur

Annexure I

<table>
<tr><th>Sr. No</th><th>Item Name</th><th>Specifications</th></tr>
<tr><td>1</td><td>Rack mountable Server</td><td>
<table>
<tr><th>SL. No.</th><th>Description of Requirement</th><th></th><th>Complia</th></tr>
<tr><td></td><td>2 U Rack Mountable</td><td></td><td></td></tr>
<tr><td>CPU</td><td>Two numbers of latest generation Intel 20 Cores Gold 6148 Processors</td><td></td><td></td></tr>
<tr><td>CPU L3 CACHE Memory</td><td>27.50 MB L3 cache</td><td></td><td></td></tr>
<tr><td>Motherboard</td><td>Intel® C621 Series Chipset</td><td></td><td></td></tr>
<tr><td>Memory</td><td>24DIMM slots.
4 x 32GB DIMMS scalable upto 768GB using DDR4 Registered DIMM (RDIMM) operating at 2600 MHz (depending on processor model)
Should be capable of identifying and reporting whether genuene OEM</td><td></td><td></td></tr>
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</td></tr>
</table>

				memory is installed for system reliability System should support up to 128GB (8* 16GB) persistent memory. While the server is powered off, data should be saved in the NAND flash memory of each persistent memory DIMM to restore when power is on		
			Persistent memory	System should support persistent memory at over 1TB scale to deploy in-memory database		
			Memory Protection	Advanced ECC with multi-bit error protection, Online spare, mirrored memory and fast fault tolerance		
			HDD Bays	Scalable up to 24+6 SFF HDD/SSD The drive carrier should have intutive icon based display along with "DO NOT REMOVE" caution indicator that gets activated automatically in order to aviod dataloss/downtime due to wrong drive removal.		
			Hard disk drive	12 x 1.8TB SAS 12G Enterprise 10K SFF		
			Controller	Server should support Onboard SATA software RAID controller supporting SSD/HDD and at least two M.2 drives. In addition, server should support one of the below controllers supporting Mixed Mode which combines RAID and HBA mode. PCIe 3.0 based 12Gb/s SAS Raid Controller with RAID 0/1/1+0/5/50/6/60/1 Advanced Data Mirroring/10 Advanced Data Mirroring (onboard or on a PCI Express slot) or PCIe 3.0 based 12Gb/s SAS Raid Controller with RAID 0/1/1+0/5/50/6/60/1 Advanced Data Mirroring/10 Advanced Data Mirroring with 4GB battery backed write cache (onboard or on a PCI Express slot) Storage controller should support Secure encryption/data at rest Encryption		
			Networking features	Embedded 4 x 1GbE Network Adapter		
			Interfaces	Serial – 1, Micro SD slot – 1, USB 3.0 support With Up to 5 total: 1 front, 2 rear, 2 internal (secure)		
			Bus Slots	Six PCI-Express 3.0 slots, atleast two x16 PCIe slots		
			Power Supply	Should support hot plug redundant low halogen power supplies with minimum 94% efficiency		
			Fans	Redundant hot-plug system fans		
			Industry Standard Compliance	ACPI 6.1 Compliant, PCIe 3.0 Compliant, PXE Support, WOL Support, Microsoft® Logo certifications, USB 3.0 Support, USB 2.0 Support, Energy Star, ASHRAE A3/A4,UEFI (Unified Extensible Firmware Interface Forum)		
			System Security	UEFI Secure Boot and Secure Start support, Security feature to ensure servers do not execute compromised firmware code, FIPS 140-2 validation, Common Criteria certification, Configurable for PCI DSS compliance, Advanced Encryption Standard (AES) and Triple Data Encryption Standard		

				(3DES) on browser Support for Commercial National Security Algorithms (CNSA) mode to prevent the use of insecure algorithms, Tamper-free updates - components digitally signed and verified, Secure Recovery - recover critical firmware to known good state on detection of compromised firmware, Ability to rollback firmware, Secure erase of NAND/User data, TPM (Trusted Platform Module) 1.2 option, TPM (Trusted Platform Module) 2.0 option, Bezel Locking Kit option, Chassis Intrusion detection option,		
			Operating Systems and Virtualization Software Support	Microsoft Windows Server, Red Hat Enterprise Linux (RHEL), SUSE Linux Enterprise Server (SLES), Vmware, ClearOS		
			GPU support	System should support NVIDIA's latest computational accelerators and graphics accelerators		
			System tuning for performance	1. System should support feature for improved workload throughput for applications sensitive to frequency fluctuations. This feature should allow processor operations in turbo mode without the frequency fluctuations associated with running in turbo mode 2. System should support workload Profiles for simple performance optimization		
			Secure encryption	System should support Encryption of the data (Data at rest) on both the internal storage and cache module of the array controllers using encryption keys. Should support local key management for single server and remote key management for central management for enterprise-wide data encyption deployment.		
			Warranty	Server Warranty includes 3-Year Parts, 3-Year Labor, 3-Year Onsite support with next business day response.		
			Provisioning	1. Should support tool to provision server using RESTful API to discover and deploy servers at scale 2, Provision one to many servers using own scripts to discover and deploy with Scripting Tool (STK) for Windows and Linux or Scripting Tools for Windows PowerShell		
			Firmware security	1. For firmware security, system should support remote management chip creating a fingerprint in the silicon, preventing servers from booting up unless the firmware matches the fingerprint. This feature should be immutable 2. Should maintain repository for firmware and drivers recipes to aid rollback or patching of compromised firmware. Should also store Factory Recovery recipe preloaded to rollback to factory tested secured firmware		
			Embedded Remote Management and firmware	1. System remote management should 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 should support server power		

			security	capping and historical reporting and should have support for multifactor authentication 2. Server should have dedicated 1Gbps remote management port 3. Remote management port should have storage space earmarked to be used as a repository for firmware, drivers and software components. The components can be organized in to install sets and can be used to rollback/patch faulty firmware 3. Server should support agentless management using the out-of-band remote management port 4. The server should support monitoring and recording 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 availabile 6. Remote console sharing upto 6 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. 7. 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 8. Should support RESTful API integration 9. System should support embedded remote support to transmit hardware events directly to OEM or an authorized partner for automated phone home support		
			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 • Appliance alerts		
				The Systems Management software should provide Role-based access control		
				Management software should support integration with popular virtualization platform management software like vCenter, and SCVMM		
				Should help provide proactive notification of actual or impending component failure alerts on critical components like CPU, Memory and HDD.		
				Should provide an online portal that can be accesible from anywhere. The portal should provide one stop, online access to the product, support information and provide information to track warranties, support contrats and status. The Portal should also provide a personalised dashboard to monitor device heath, hardware events, contract and warranty status. 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).		
				Should help to proactively identify out-of-date BIOS, drivers, and Server Management agents and enable the remote update of system software/firmware components.		
				The Server Management Software should be of the same brand as of the server supplier.		

FORMAT FOR QUOTATION SUBMISSION

(In letterhead of the supplier with seal)

Date: _______________

To:

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<table>
<tr><th rowspan="2">Sl. No.</th><th rowspan="2">Description of goods (with full Specifications)</th><th rowspan="2">Qty.</th><th rowspan="2">Unit</th><th rowspan="2">Quoted Unit rate in Rs. (Including Ex Factory price, excise duty, packing and forwarding, transportation, insurance, other local costs incidental to delivery and warranty/ guaranty commitments) **</th><th rowspan="2">Total Price (A)</th><th colspan="2">Sales tax and other taxes payable</th></tr>
<tr><th>In %</th><th>In figures (B)</th></tr>
<tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr>
<tr><td colspan="5">Total Cost</td><td></td><td></td><td></td></tr>
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Gross Total Cost (A+B): Rs. ________________

We agree to supply the above goods in accordance with the technical specifications for a total contract price of Rs. ————————— (Amount in figures) (Rupees —————————amount in words) within the period specified in the Invitation for Quotations.

** **Please note that the institute is exempted from customs and excise duties and GST at the rate of 5 % is applicable for the Institute.**

We confirm that the normal commercial warranty/ guarantee of ——————— months shall apply to the offered items and we also confirm to agree with terms and conditions as mentioned in the Invitation Letter.

We hereby certify that we have taken steps to ensure that no person acting for us or on our behalf will engage in bribery.

Signature of Supplier

Name: ___________________

Address: ___________________

Contact No: _______________