## OFFICE OF THE REGISTRAR ::TEZPUR UNIVERSITY Napaam , Tezpur - 784028. SHORT QUOTATION NOTICE

TU/11-24/Pur/Qtn/2016-17/4532-A Dated: 01.02.17

Sealed quotations are invited from reputed manufacturers/authorized dealers/vendors for supply, installation & commissioning etc. of following items required for the Departments of the Tezpur University.

**List of Items with Specifications:** 

Dual Processor Rack Serve	r
Processor	2 x 10-core latest generation server processor of at least 2.2 GHz or
	higher with at least 25 MB/higher L3 Cache
Chipse	Latest OEM chipset supporting an optimized for the above processor
RAN	1 128 GB upgradable Up to 1.5TB (24 DIMM slots) DDR4 up to 2400MT/s
Hard Disk Drive	Minimum <b>40 TB</b> of RAW Capacity Hard Disk space should be provided by
	using 10K RPM 2.5 inch Hot Plug SAS Drives at 12Gbps throughput
HDD bay	Upto 26 x 2.5" HDD bays supporting SAS, SATA/NL-SAS, SSD and SED
	drives
I/O slot	Atleast Six PCIe 3.0 slots
	Support for RAID 0,1, 5,6; populated with 12 Gbps SAS RAID controller
	with 2 GB Cache
Network Interfac	4 Gigabit ports on board
Graphics controlle	Integrated Graphics with atleast 16MB Video Memory
Server Mgm	OEM embedded controller with IPMI 2.0 compliance and Server
	Management Tool from same OEM. It should be able to automate mgm
	tasks and automated firmware updates. It should be able to deploy
	servers with zero-touch automation.
	A LED panel to display system ID, status information, and system error
	messages.
Port	
0	mouse, graphics (DB-15)
Power supplie	, , , ,
	each) to sustain above configuration. Power Supply with 80+ Gold certified for better utilization.
Cooling	
Industry standard suppor	power cap), ACPI 3.0 Compliant, PCI 2.3 compliant, PXE and WOL Support
	IPv4 and IPv6 support
Industry standar	
certification	•
	Novell SUSE Linux Enterprise Server, Red Hat Enterprise Linux, Sun Solar
	Microsoft Windows Server 2012 Hyper-V, VMware vSphere Version,
	Citrix XenServer, FCC, UL, ROHS
	The server OEM in the "Leaders" quadrant of the latest Gartner's Magic
	Quadrant and having server business in India for atleast 10 years
Form facto	-
	19" Server Rack
Warrant	3 Years onsite warranty (24 x 7 call logging) by OEM

	Optional Extended Warranty	2 Years after initial 3 years by OEM
2	Single Processor Rack Serve	r
	Processor	Intel Xeon E5-2630 v4 2.2GHz,25M Cache,QPI ,Turbo ,HT ,10 Core
	Chipset	Intel C610 series chipset
	Memory	32 GB(2 x 16GB) RDIMM, 2133 MT/s, Dual Rank, x4 Data Width and
	,	upgradable upto 384 GB
	Hard Disk Drives	48TB(8 x 6TB) 7.2K RPM NLSAS 6Gbps 3.5in Hot-plug Hard Drive
	HDD bays	HDD bays supporting SAS, SATA, SSD drives (3.5" Chassis with up to 8
		Hard Drives)
	Optical Drive	DVD-ROM drive (External USB/Internal)
	I/O slots	Minimum 3 xPCle 3.0 & 2 x PCle 2.0 slots
	RAID levels	Support for RAID 0, 1, 5 and 6
	Network Interface	On-Board LOM 1GBE (Quad Port)
	Graphics Controller	Integrated Graphics with at least 16MB Video Memory
	Server management	OEM embedded controller with IPMI 2.0 compliance and Server
	0	Management Tool from same OEM
	Ports	Atleast 3 USB ports
	Power Supplies	Dual, Hot-plug, Redundant Power Supply (1+1)( 750 W )
	Industry Standard support	User-selectable power cap (subsystems throttle to maintain the specified power cap), ACPI 3.0 Compliant, PCI 2.3 compliant, PXE and WOL Support,
		IPv4 and IPv6 support
	Industry Standard support	OS Support: Microsoft Windows Server 2008/2012 SP2, x86/x64 (x64
	, , , , , , , , , , , , , , , , , , , ,	includes Hyper-V)
		Microsoft Windows Server 2008/2012 R2, x64 (includes Hyper-V)
		Novell SUSE Linux Enterprise Server
		Red Hat Enterprise Linux
		VMware vSphere
	Cours Coston	The server OEM must be ISO-14001
	Form Factor	2 U Server with all necessary rail kits
	· ·	3 years onsite warranty by OEM
	Optional Extended Warranty	2 Years after initial 3 years by OEM
3	Storage NAS	<u> </u>
	Processor:	Intel Xeon E5-2630 v3 2.4GHz, 20M cache, 85W or higher CPU
	Memory:	Minimum 32 GB RDIMM, 2133MT/s, Dual Rank, x8 Data Width
	Number of drive bays:	Minimum Twelve 3.5" drives bays
	Drive types and capacities:	Support for SAS, NL-SAS and SATA; NL-SAS 7.2K RPM – 1TB, 2TB, 4TB,
		6TB, 8TB; SAS 10K RPM – 600GB, 1.2TB
	Storage :	48TB (8 x 6TB 7.2K RPM NLSAS 12Gbps 512e 3.5in Hot-plug Hard Drive,
	RAID Controller :	PI) Internal Raid Controller
	RAID CONTroller:	
		Support for RAID 1, 5, 6, 10, 50, 60  Dual Hot plug Podundant Power Supply (1+1) 750Watt
	Power:	Dual, Hot-plug, Redundant Power Supply (1+1),750Watt
	Fans:	Standard redundant cooling fans  Minimum both 1C & 10C Ethornot Cord
	Network Interface:	Minimum both 1G & 10G Ethernet Card

	Availability :	Hot-plug hard drives, hot-plug redundant power, hot-plug redundant
		cooling, ECC memory
	Management:	Management console from same OEM
	Data Protection Features :	Replication, Snapshots
	Rack Support :	Rack mountable with support for optional tool less maintenance, cable
		management arm
	Slots:	Min. 3 x PCle 3.0 slots.
	Operating System	Windows Storage Server 2012 R2
	Operating System Support	Linux, Ubuntu, Fedora, CentOS, Microsoft Windows (both 32 and 64 bit OSes)
	Protocols Supported :	CIFS, NFS, FTP, SMB3.0, SMB Direct (RDMA), iSCSI, rsync, SSL/TLS, http/https
	Form factor	Min. 2U Rack Mount System
	Warranty	3 years onsite comprehensive warranty by OEM
	Optional Extended	2 Years after initial 3 years by OEM
	, Warranty	, ,
4		station for Multimedia Editing
	Processor	3.5 GHz 6-Core
	Memory	16 GB DDR3 ECC memory
	Graphics	Dual AMD FirePro D500 graphics processors with 3GB of GDDR5 VRAM
		each
	Display	Apple LED Cinema Display/LG Thunderbolt display
	Storage (Internal)	256 GB SSD (If possible, 2 TB or more HDD is preferred instead of SSD))
	Storage (External)	PROMISE Pegasus2 R4 12TB (4 by 3TB) Thunderbolt 2 RAID System
	Keyboard (USB)	Apple Keyboard with Numeric Keypad - US English
	Mice	Wired Apple Mouse
	Multimedia software	Final Cut Pro, Adobe Complete Suite
	Warranty	Default warranty, PLUS AppleCare Protection Plan for Mac Pro (Extended
		Warranty) for 2 additional years
5	Turnkey Video Editing Suite	on Windows
		Workstation
	Processor	Intel® Xeon® E5-2600 v3 or above with 2 Processors from Day 1
	Chipset	Intel® C612 or Higher
	Memory	16GB DDR4
	Memory Slots	16 DIMM Slots for DDR4 ECC Memory
	Internal Storage	1 TB HDD or more
	Storage Controller	Built-in Controller to support RAID 0, 0 Data, 1, 5, and 10
	Ports	At least 4 USB 3.0, 1 microphone, 1 combo headset in the front,
		4 USB 3.0, 2 USB 2.0, 2 PS/2, 1 RJ-45, 1 audio line in, 1 audio line out at
		the back
	1/O controller	It should also have 1 USB 3.0 internally
	I/O controller Graphics	FireWire for PCIe support optionally  Nvidia Quadro K4200 4GB Graphics card or above
	Operating System	Windows 7 Professional or above
	Operating system Optical Drive	DVD RW
	Warranty	Minimum 3 years onsite
	varianty	Display
	Display size (diagonal)	27 Inch
	, -, (	

	4	45.00
	Aspect Ration	16:09
	Native Resolution	QHD (2560 x 1440 @ 60 Hz)
	Supported Resolution	4096 x 2160
	Pixel pitch	0.233 mm
	Brightness	48 to 250 cd/m² calibrated
	Contrast Ration	800:1 static
	View angle	178° horizontal, 178° vertical
	Display Features	Plug and Play. Anti-glare, User programmable, Language selection, On-
		screen controls, LED Backlights, In plane switching
	Input connector	1 HDMI 1.4 (with HDCP support); 2 DisplayPort 1.2 (with HDCP support)
	Ports	4 USB 3.0 (two side and two rear); 2 USB 2.0 Dream Color ports; 1 analog
		and digital audio output
	Certifications and	CEL Grade 2, Microsoft WHQL Certification (Windows 8 and Windows 7),
	compliances	CE, CB, KC, KCC, NOM, PSB, ICE, TUV-S, CCC, CEL, SEPA, EPA, ISC, VCCI,
		FCC, BSMI
		Software
	Security Software for	Should have the following features:
	Single	Anti Virus, Anti Spyware, Anti Malware, Anti-Rootkit, Firewall and IDS/IPS
	User/PC/Workstation for 1	Prevention of malicious downloads
	Year	Protection from ransomware
		Detect and prevent viewing of unsafe and potentially dangerous websites
		Block unauthorized copying of data from computer to unauthorized USB
		drives
		Should be able to securely delete sensitive data and prevent their
		recovery by any recovery tools
	Adobe® Creative Cloud	Photoshop® CC
	Subscription for Single	• Illustrator® CC
	User 1 Year	• InDesign® CC
		Dreamweaver® CC
		After Effects® CC
		Adobe Premiere® Pro CC
		Acrobat® XI Pro
		• Lightroom®
		Adobe Muse™ CC
		Adobe Audition® CC
		• Prelude® CC
		• SpeedGrade® CC
		Bridge CC
		• Fireworks®
		Flash® Builder® Premium
		• Flash Professional CC
		Edge Animate CC
	•	External Storage
	Capacity	Minimum 8 TB
	Interface	USB 3.0 / Firewire (Either of the three or all)
	Platform Support	PC or MAC
	Minimum Data Transfer	100 MBps
_	Speed	
6	8 Port KVM Switch	
	Ports	One USB-PS/2 console control up to 8 Servers

	Interfaces	Dual Interface - supports computers and console with PS/2 or USB keyboards and mice
	Input Selection	Computer selection via front panel pushbuttons, hotkeys and multilingual
		on-screen display (OSD) menu, Auto Scan feature for monitoring user-
		selected computers
	Supported Platforms	Multiplatform support - Windows, Linux, Mac and Sun
	Resolution	Superior video quality - up to 2048 x 1536; DDC2B, Video DynaSync -
		stores the console monitor's EDID (Extended Display Identification Data)
		to optimize display resolution
	Keyboard Selection	Auto PS/2 and USB interface detection, USB / PS/2 keyboard and mouse
		emulation - computers boot even when the console focus is elsewhere,
		Supports multimedia USB keyboards for PC, Mac and Sun
	Security	Two level password security; only authorized users view and control
		computers; up to four users and an administrator with separate profiles for each
	Hot Pluggable	Hot pluggable - add or remove computers without having to power down
	Tiot i laggable	the switch
	Cables	8 Sets of KVM combo cables that supports both USB &PS/2 must be
		included
	Dimensions	19" Rack Mountable
	Warranty	3 Years
7	Console	
	Screen Size	Integrated KVM console with 17" LCD monitor – in a Slideaway housing
	Flexibility	LCD module rotates up to 115 degrees for a more comfortable viewing
		angle, Adjustable depth to fit within a rack
	Compatibility	Compatible with most PS/2 KVM Switches
	Power	Internal built in power
	Resolution	High video resolution:-Up to 1280 x 1024 @75Hz-Supports DDC, DDC2,
		DDC2B, DDC emulation – VGA settings of every connected computer are
		automatically adjusted for optimal output to the LCD monitor
	Form Factor	Rack mountable in 19" (1U) system rack.
	Warranty	3 Years
8	42U Server Rack	
	Туре	Floor Standing Server Rack with Heavy Duty Caster Wheels with Brakes
	Material	Racks manufactured out of steel sheet punched, formed, welded and
		Powder coated
	Load Capacity	Min 600Kg Load Capacity
	Dimensions	Width 600 MM, depth 1000 MM, Height 42U
	Side Panels	Detachable vented side panels with slam latch & Lockable
	Top & Bottom	Top & Bottom cover – welded frame with cable entry provision
	Mounting Rails	19" Mounting Angles with 'U' Markings
	Power Strips	Vertical Power Strip with min. 10 Nos of C19/C20 type Server Grade
	Frank O Danie De co	Power Sockets
	Front & Rear Door	Perforated steel door with Locks
	Exhaust	Fan Module with minimum 4 Fans 90 CFM
	Trays	One Fixed for LCD Monitor and One slidable Cantilever tray for Keyboard
		& Mouse

	Mounting Accesssories	Sufficient number of mounting hardware like nuts, bolts, washers, mounting kits, cable managers, etc. must be provided
	Earthing Mechanism	Rack should have Proper Grounding & Bonding
	Standards	Rack should Conforms to DIN 41494 or Equivalent EIA /ISO / EN/CEA Standard, ISO 9001:2008 Certified Company & UL Listed
	Warranty	3 Years
9	Overhead Scanner	
	Scanner Type	Over head scanner
	Scan Resolution	300 dpi
	Scanning Modes	Color, Monochrome, Grayscale with Autodetection
	Scan Size	Multiple scan sizes for International Paper sizes like A3, A4, A5, A6,B3, B4,
		B5, B6, Postcard, Letter, Legal, etc. along with customizable scan sizes.
	Connectivity	High Speed USB 2.0
	Driver	CD/DVD Driver Media for Windows 7/8/10
	Warranty	Comprehensive 1 Year
10	Portable External Hard Disk	
	Capacity	1 TB
	Form Factor	Portable
	Connectivity	USB 2.0/USB 3.0
	System complience	Windows 7/8/10; Mac OS-X
	Wired/Wireless	Wired
	Data Transfer Rate	up to 120 MBPS
	Power Source	Without requiring external power adapter
	Warranty	3 year
11	Archival Grade Blank DVD-F	R for long duration storage
	DVD Capacity	4.7 GB
	DVD Type	DVD-R
	Qualitative Standard	Gold standard DVD, with imporoved treatment for longeavity, accuracy and integrity of data for long time archival preservation
	Write Speed	8x
	DVD case	Jewel case for each single DVD
	Required quantity	500 discs with jewel cases
		500 discs with jewer cases

## **GENERAL TERMS & CONDITIONS:**

- 1. No separate tender paper will be issued from the office; one should only download the specifications/List from the website.
- 2. The rates should be preferably quoted in Indian Rupee and FOR Tezpur University, Napaam basis. Charges for clearing and transportation should be incurred by the supplier.
- 3. Quotations should be accompanied by i) An EMD (in the form of Demand Draft/Call Deposit/TDR) of ₹. 5000/- (Rupees Five Thousand) only drawn/pledged in favor of Registrar, Tezpur University, payable at Tezpur. No request for consideration of earlier deposited EMD will be considered. ii) A non refundable application (quotation) fee of ₹.1000.00 (Rupees One Thousand) only have to be paid only by Demand Draft drawn in favour of Registrar, Tezpur University payable at Tezpur.
- 4. The rates should be exclusive of taxes and applicable tax % should be clearly indicated.
- 5. Applicable levies, surcharge and discounts should be clearly indicated itemwise.
- 6. Quoted rates should be valid at least for a period of 01 year.

- 7. The rates should be quoted along with supporting documents of specifications and technical features and list of users.
- 8. The system must be installed at the laboratory, and after installation a basic training must also be provided by the supplier or their Indian counterpart without any additional costs.
- 9. All the quotations must be accompanied with supporting documents and / or literature.
- 10. Demonstration may be sought from the vendors for authentication of quoted specification.
- 11. Details of availability of after sales support will have to be furnished. After sales support directly from manufacturer and from Assam (Guwahati / Tezpur) will be preferred.
- 12. The University is exempted from paying Custom and Excise duty.
- 13. Proprietary items should be quoted with sole Manufacturer/Distributorship certificate.
- 14. Warranty/Gurantee period should be specifically mentioned in the quotation.
- 15. Performance Bank Guarantee also has to be submitted for Major equipments of Indian origin, covering the warranty period.
- 16. Items of Foreign origin should have Insurance up to installation on site.
- 17. The University reserves the right to accept or reject any or all the quotations without assigning any reason.
- 18. Quoted price should be inclusive of essential accessories and should be CIF Tezpur University, Tezpur
- 19. Applications for release of EMD should be submitted to the Registrar/ Joint Registrar.
- 20. Apart from the above terms and conditions the University has the right to include any other terms and conditions as and when felt necessary.
- 21. Quotation should be submitted in the DROP BOX placed in the reception of the Administrative Building of the University latest by 5.00 PM of 21<sup>st</sup> of February, 2017.If posted/courierred, should reached by 5.00 PM of 21<sup>st</sup> of February, 2017 addressed to "The Joint Registrar, Tezpur University". The Quotation Notice No. and date should be clearly superscribed in the the envelope/packet containing the quotation. No quotation received after 5.00 PM of 21st of February, 2017 shall be entertained.

Dated: 01.02.17

Joint Registrar
Tezpur University
Memo No. TU/11-24/Pur/Qtn/2016-17/4532-A
Copy for information to:-

- 1. Webmaster, Tezpur University for uploading the same in website.
- 2. Notice Board
- 3. File.

Joint Registrar