NOTICE INVITING QUOTATION
E–Resource (Hardware)
UNDER RUSA GRANTS

TEZPUR COLLEGE

File No. File No.
Date: -
LAST DATE:

Tezpur College
Tezpur, Assam
Near Agnigarh, District- Sonitpur
Email: tezpurcollege.5aug1965@gmail.com

Terms and Condition

All the terms and conditions are subject to the general terms and conditions of govt. purchase.

Sealed quotations are to be addressed to the Principal, Tezpur college, Tezpur , Assam and sealed cover should be super-scribed as "QUOTATION FOR E –Resource (Hardware) " in capital words.

Photocopy of Trade license, GST registration certificate,

OEM authorization, submitted along with the quotation for All product,

Bidder should have successfully completed at least 10 (Ten) IR Project with d-space Customization in colleges in Assam.

Proof of at least Five Purchase Orders/Work Experience for similar kind of work applied/completed in last three years have to be submitted along with quotation.

Rate, specification, makes and model number should be mentioned clearly.

Quotation should be supported by catalogue/brochure for each of the items as available.

The quoted rate/cost of the entire item should be including Delivery/freight charge, installation and other charges (if any) for destination F.O.R TezpurCollege, Tezpur , Assam.

The successful bidders will be required to supply the ordered item(s) within 7 days from the date of issuing of supply order. Failure to which the supply order will be treated as cancelled.

1. Full payment will be made through PFMS (Public Financial Management System) via online mode only after the proper supply, successful installation and demonstration. A mandate form mentioning all bank details of the bidder duly signed by the bank has to be submitted by the bidder.

2. Request for advance payment in any case will not be entertained.

3. The Principal reserves the right to modify or cancel the entire process of purchase without assigning any reason.

4. The terms and Condition should be read carefully and signed by the bidder.

5. The quoted price should be valid for at least one months.

16. Tenderer has to submit their prices as per format provided in the document.

Note: The original documents like GST/PAN/ OEM Authorization for the major equipment, firm registration certificate, Bank account details for online payments etc. will be verified before issuing work order/supply order. Failing which his/her tender will be treated as "INVALID".

Sl.no.	Items	Details specification	Qty
1	**Server 1**	Xeon® E5-2609v4 (1.7GHz/8-core/20MB/85W)	**1**
		Chipset	
		20MB up to 60MB L3 cache memory	
		Up to 512 GB memory supporting DDR3 (1866MHz) across 96 DIMM slots (16GB RAM)	
		Should support advanced memory features 1) Memory quarantine 2) Double data device correction 3) Single data device correction 4) Online Memory sparing 5) Memory mirroring	
		Server should support one of the following integrated network controllers: 1. 1Gb 4-port network adaptor supporting advanced features such as Large Send offload capability, TCP checksum and segmentation, VLAN tagging, MSI-X, Jumbo frames, IEEE 1588, and virtualization features such as VMware NetQueue and Microsoft VMQ. 2. 10Gb 2-port Ethernet adaptor supporting enterprise class features such as VLAN tagging, adaptive interrupt coalescing, MSI-X, NIC teaming (bonding), Receive Side Scaling (RSS), jumbo frames, PXE boot and virtualization features such as VMware NetQueue and Microsoft VMQ.	
		Server should support 4 PCI express 3.0 slots: (1) x16 PCI-Express; (3) x8 PCI-Express	
		Should support 12Gbps SAS Controller with 2GB Flash Backed Write Cache. Controller should support data encryption to protect sensitive and mission critical data. Controller should support RAID levels 6, 60, 5, 50, 1, 10 and Advanced Data Mirroring with 3 drives	
		Should support at least eight SFF HDDs	
		1TB	
		System should support minimum of, Serial port: 1 Video: 1 front; 1 rear micro-SD Slot: 1 USB 2.0 Ports: 8 total: 2 front; 4 rear; 2 internal	
		ACPI 2.0. Compliant PCIE 2.0 Compliant PXE Support WOL Support Physical Address Extension (PAE) Support Microsoft® Logo certifications USB 2.0 Support Ashrae A3/A4	
		Should support power supply	
		Should support hot plug redundant system fans	
		Tower Sever	

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 capping and historical reporting and should have support for multifactor authentication.

2. Server should have dedicated 1Gbps remote management port. Remote management port should have 4GB NAND flash with 1GB available for user access. NAND flash should be used for keeping system logs and downloading firmware from HP website or internal repository

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

The Systems Management software should provide Role-based security
Should help provide proactive notification of actual or impending component failure alerts on critical components like CPU, Memory and HDD. Should support automatic event handling that allows configuring policies to notify failures via e-mail, pager, or SMS gateway or automatic execution of scripts.
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 daskboard 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 accessible on premise (at customer location - console based) or off premise (using internet).
Should support scheduled execution of OS commands, batch files, scripts, and command line apps on remote nodes
Should be able to perform comprehensive system data collection and enable users to quickly produce detailed inventory reports for managed devices. Should support the reports to be saved in HTML, CSV or XML format.

		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.	
		Infra Platform /Infra Software to support a variety of different hypervisors, such as VMware, Microsoft Hyper-V, Red Hat KVM, and HP Integrity VM	
		Solution available to Deploy a fast and easy installation via software appliance delivery mode. With its own OS and Database to provide infra and lifecycle management	
		Management software should support integration with popular virtualization platform management software like vCenter, SCVMM and RedHat RHEV	
		3 YEAR WARRANTY	
2	Server 2	Tower	1
		One latest generation Intel® Xeon® E3-1225v5 (3.3GHz/4-core/8MB) Processor	
		8MB Level3 Cache	
		Intel® C236 Series Chipset	
		8 GB RAM populated and scalable to at least upto 64 GB, using DDR4 ECC DIMM memory modules. Maximum 4 DIMM slots.	
		Up to 6 LFF HDD max (with extra cage)	
		HP SATA 9.5 JB Optical HDWR (depending on HDD selection)	
		1 Nos 1TB SATA inbuilt	
		HPE Dynamic Smart Array B140i Controller	
		RAID support 0, 1, 10, 5 SATA	
		Server should support networking cards with below features:	
		Network Controller : Intel® Ethernet Connection I219-LM	
		4 no of PCIe 3.0 slots support.	
		Should support monitoring ongoing management, service alerting, reporting and remote management with out of band management port	
		System should support embedded remote support to transmit hardware events directly to OEM or an authorized partner for automated phone home support	
		Power-on password	
		Setup password	
		Power switch security	
		Administrator's password	
		TPM 1.2	
		TPM 2.0	
		UEFI	
		OS & Virtualization Support :Microsoft Windows Server / Red Hat Enterprise Linux (RHEL) / SUSE Linux Enterprise Server (SLES)/ Vmware	
		On System Management Chipset : Intel® Active Management Technology (Intel® AMT 11.0)	
		The Server Management Software should be of the same brand as of the server supplier.	
		3 Years	
3	Scanner Dspace	Supports Windows and Mac OS,	1

		Overhead system		
		Simplex scanning, Colour / Greyscale / Mono / Automatic (colour / greyscale / mono detection)		
		Lens Reduction Optics / Colour CCD (charge coupled device) x 1		
		(White LED + lens illumination) x 2		
		Horizontal scanning: 285 to 218 dpi / vertical scanning: 283 to 152 dpi*1		
		Simplex "better mode" or "best mode": 3 seconds per page		
		Simplex (colour / greyscale 150 dpi) (mono 300 dpi): 3 seconds per page*4		
		Simplex (colour / greyscale 200 dpi) (mono 400 dpi): 3 seconds per page*4		
		Simplex (colour / greyscale 300 dpi) (mono 600 dpi): 3 seconds per page*4		
		Simplex (colour / greyscale 600 dpi) (mono 1,200 dpi): 3 seconds per page*4		
		A3 (landscape), A4, A5, A6, B4, B5, B6, business card, postcard, double letter (landscape), letter, legal (landscape) and custom sizes,Minimum : 25.4 x 25.4 mm / Maximum : 432 x 300 mm*5 / Automatically recognises document size		
		30 mm or less		
		Select one of the following. 1. Normal scan: press "scan" button for every page /		
		2. Timed interval scanning (timed mode) / 3. Page turning detection		
		USB 2.0 (USB 1.1 Supported)		
		Deskew by text on document / Automatic page size detection / Automatic image rotation / Automatic colour detection,		
		Book image correction*8 / Multiple document detection*9		
		±1.5%		
		AC 100 to 240V, 50 / 60Hz		
		Operating: 20W or less (Sleep mode: 2.6W or less) Auto Standby (OFF) mode: 0.4W or less		
		Temperature: 5 to 35 °C / Relative humidity: 20 to 80 % (Non-condensing)		
		210 X 156 x 383 mm / 3kg		
		ENERGY STAR® / RoHS*10 / Ecodesign*11		
		Specific driver (Does not support TWAIN / ISIS™)		
		Evernote		
		Scan to Microsoft® SharePoint®*12		
		1 Year		
4	Automatic backup	• Network protocol:	1	
		· CIFS/SMB for Windows		
		· NFS for Linux/Unix		
		· AFP for Mac		
		· DHCP client		
		· PPPoE		
		· Network Time Protocol (NTP)		
		· iSCSI		
		• Network applications:		
		Media server:		

- Twonky media server with DLNA 1.5 and UPnP AV
- iTunes server
- Logitech media server
- Photo album server
- Web service:
  - WebDAV
  - FTP server
  - phpMyAdmin/MySQL/PHP
  - RSS client & server
  - Print server (CIFS)
  - Remote access support (DyDNS)
- iOS and Android application:
- Network application management:
  - User & group management
  - Package management for setting up applications
- Network security:
  - Support HTTPS and FTPES (FTP over explicit TLS/SSL)

Data Management

- Backup support:
  - One-touch copy/sync button for external USB capable devices backup
  - Backup planner:
- Instant/Scheduled backup
- NAS to NAS synchronization/archive backup
- Rsync
  - Google Drive, Dropbox, Memopal, ownCloud, SynBackupfree and NetDrive support
  - Apple Time Machine support
- Download/Upload support:
  - Auto-download from FTP/HTTP/P2P download service
  - Scheduled download
  - Auto-upload photos and videos to YouTube/ Flickr/FTP server
- File system support:
  - Internal HDD: EXT4
  - External HDD: NTFS, EXT2, EXT3, EXT4, FAT32, HFS+ (read only), exFAT

System Management

- JBOD, RAID 0/1/5/6/10, RAID 5+ Hot Spare
- Online firmware upgrade
- Self-Monitoring Analysis and Reporting Technology (S.M.A.R.T.)

Power and Thermal Management

- Power control:
  - Internal disk hibernation support
  - Scheduled power on/off/reboot
  - Wake-On-LAN support
  - System automatically resume after power outage

•   APC USB UPS monitoring and auto shutdown
• Thermal management:
•   Smart fan speed control
•   High temperature alert/buzzer
•   Auto shutdown while high temperature
Minimum System Requirements
• OS for utility: Windows XP onward, Mac OS X 10.5 onward
• Browser: IE 11+, Firefox 20+, Google Chrome 37+, Safari 5+
Application Package Center
• Cloud application:
•   OwnCloud (Cloud synchronization)
•   Google Drive
•   Dropbox
•   Memopal
• Download management:
•   NZBGet (NZB file download management supported)
•   Transmission (Torrent file supported)
•   pyLoad (Download manager for many one-click-hosting sites)
• Additional:
•   Gallery (The web-based application allows your NAS to host pictures)
•   WordPress (Blogging tool and content management system)
•   Tftp
•   NFS
•   Logitech media server (Stream audio system)
•   PHP-MySQL-phpMyAdmin (MySQL administration tool)
Hardware Specifications
• CPU: FreeScale Dual Core Cortex-A9 1.2 GHz
• Memory: DDR3 1 G
• SATA hard disk2+2TB
• Hot swappable HDD support
• Two Gigabit Ethernet RJ-45 connectors
• Three USB 3.0 ports
• One SDXC card read (Up to 128 GB)
• Buttons:
•   Power button
•   Copy/Sync button
•   Reset button
• Smart fan design
• Power consumption:
•   Access mode: 36.5 watt (Max)
•   Hard disk spin-down mode: 14.8 watt
• Power:
•   Input: 100 - 240 V AC, 50/60 Hz
•   Output: 19 V DC, 4.74 A

#	Item	Specification	Qty
		Physical Specifications	
		• Item dimensions (WxDxH): 190 x 225 x 160 mm (7.48" x 8.85" x 6.29")	
		• Item weight: 2,000 g (4.40 lb.)	
		• Packing dimensions (WxDxH): 316 x 269 x 286 mm (12.44" x 10.59" x 11.26")	
		• Packing weight: 3,800 g (8.38 lb.)	
		Environmental Specifications	
		Operating Environment	
		• Temperature: 0°C to 40°C (32°F to 104°F)	
		• Humidity: 10% to 95% (Non-condensing)	
		Storage Environment	
		• Temperature: -30°C to 70°C (-22°F to 158°F)	
		• Humidity: 10% to 95% (Non-condensing)	
		Certification	
		• Safety: CE LVD, BSMI	
5	IR Software, DSpace (open source)	Installation & customization., One Man power 2 Months	1
6	UPS	1 KVA Offline UPS	2
8	Router cum Modem	• 2.4 GHz 11n (2x2) for superior performance and coverage • Configurable EtherWAN for optimized, evolutionary services • Remote provisioning and management through TR-069 • Advanced QoS to ensure quality of Triple Play • ROM-D feature for easy distributor/operator customization • Always-online, always-compatible alternative 3G connection Specifications System Specifications ADSL Compliance • ITU 992.1 (G.dmt) • ITU 992.3 ADSL2 (G.dmt.bis), ITU 992.5 ADSL2+	1
9	Rack	9U RACK ,1fan, , 6soket PDU, rackhardware	1
10	24 Port Swithch	Total port count 26 10/100 Mbps 24 Dual personality GbE ports 2 Performance Switching capacity (Gbps) 8.8 Switching forwarding rate (Mpps) 6.6 Packet buffer (byte) 320K MAC address 8K 802.3x flow control prioritization Yes 802.1p CoS Yes Back-pressure- based flow control Yes Auto MDI/MDI-X Yes Power Requirement Input voltage of AC 100 - 240 V AC, 50/60 Hz Maximum power consumption (watt)12.65	1

Physical Specifications Fanless Yes

Environmental Specifications Operating temperature 0°C to 50°C/32°F to 122°F

Storage temperature -40°C to 70°C/-40°F to 158°F

Operating humidity 10% to 95% (non-condensing)

MTBF (hr) 100,833

Heat dissipation (BTU/hr) 43.14

Features

Standard Compliance

• IEEE 802.3 10BASE-T Ethernet

• IEEE 802.3u 100BASE-TX Fast Ethernet

• IEEE 802.3ab 1000BASE-T Ethernet

• IEEE 802.3x flow control and back-pressure

• IEEE 802.1p CoS

Certification

Safety

• EN 60950-1

• IEC 60950-1

• EU RoHS compliant

• BSMI CNS14336-1

Emission (EMC)

• FCC Part 15 (Class A)

• CE EMC (Class A)

• BSMI CNS13438

Green Features

• Inactive link detection for dynamic power output adjustment

• Adjusts power usage according to the length of connected Ethernet cables

• Easy device power-off with the power on/off switch

10	Cable	Cat 6	1
11	OS	WINDOW SERVER 2016	1
11	I/O Box	I/O Box	5
13	RJ connector,	RJ connector,	100
14	Networking charge	Networking with accessories	1
15	Outdoor Access Point	The Access Point should have 10/100/	3
16	Support	One Year Support	1

Sign. :

Vendor :

Official seal of the vendor