

**NOTICE INVITING QUOTATION**  
**FOR PURCHASING OF SOFTWARE AND HARDWARE REQUIRMENTS**  
**FOR CAMPUS WIFI, HARDWARE FOR INSTITUTIONAL REPOSITORY WITH**  
**CAMPUS LAN.**  
**UNDER STATE GOVERNMENT INFRASTRUCTURE DEVELOPMENT GRANTS**

**LAST DATE: 22-11-2017**

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## **1. INTRODUCTION**

Dhemaji Commerce College is an educational institution affiliated to Dibrugarh University

## **2. REQUIREMENTS**

Sealed Quotation are invited from recognized Farms/suppliers/Company for the purchase/procurement of **Software & Hardware requirements for campus Wifi, Hardware for Institutional Repository with campus LAN.** The items proposed to be purchased through the present Quotation are as given in the table below.

Sl. No.	Detailed specifications	Quantity
1	<b>Software &amp; Hardware requirements for campus Wifi, Hardware for Institutional Repository with campus LAN.</b>	--

## **3. PRE-QUALIFICATION CRITERIA FOR Software & Hardware requirements for campus Wifi, Hardware for Institutional Repository with campus LAN.**

- A.** OEM Authorization for HW (Manufacture Authorization format) MAF For Server, Access point, Scanner, Switch, Network-attached storage Products.
- B.** Bidder should have successfully completed atleast 10 (Ten) IR Project with Dspace Customization in colleges of Assam.
- C.** GST certificate. (TIN & CST Nos.)
- D.** GST will be deducted and deposited by the college
- E.** Copy of Audited Balance sheet 2016, Service Tax Registration, Income Tax Clearance Certificate.
- F.** The Software '**DSpace**' shall be installed and customized in the Server Machine of Central Library, Dhemaji Commerce College.
- G.** The quoted rate/ Cost of entire items should be included delivery/ freight charge, installation and other charges if any for destination.

- H. All digitized Content is required to be integrated in Open Source Digital Library Solution ‘**DSpace**’ for content management, search, retrieval, and mailing of digitized documents to all authorized users.
- I. Uploading of content shall be done with proper data entry standards and preferably done by 1 Manpower for 2 (Two) months.

#### **4. QUOTATION DOCUMENT**

Detailed Quotation Document (non-transferable) covering eligibility requirements, technical specifications and terms & conditions may be obtained by interested and eligible bidders by downloading from the College’s website i.e. “<http://dhemajicommercecollege.edu.in>” or from the College premises during working hours.

There is no charge for the Quotation papers.

#### **5. IMPORTANT DATES**

<b>Event / Activity</b>	<b>Date / Time</b>
Advertisement in Newspapers	16/11/2017
Download of Quotation Documents	16/11/17 to 22/11/17
Last Date for Submission of Sealed Quotation Bids	14:00 hrs. on 22/11/2017
Opening of Technical Bids	15:30 hrs. on 22/11/2017
Opening of Commercial Bids	In the meeting Monitoring Committee on 22/11/2017.

Enquiry, if any, to be forwarded to [dhemajicommercecollege@gmail.com](mailto:dhemajicommercecollege@gmail.com)

#### **6. TECHNICAL SPECIFICATIONS**

Detailed technical specifications of the **Software & Hardware for Wifi Enable Campus, Campus LAN, E-resource (Hardware), Institutional Repository etc.** proposed for purchase are as per Annexure I.

#### **INSTRUCTIONS / GUIDELINES TO BIDDER**

#### **7. BINDING TO ALL TERMS & CONDITIONS**

The Bidders are advised to submit the Quotation strictly based on the terms and conditions and specifications contained in the Quotation document including amendments, if any, issued by the College prior to submission of Quotation. The formats prescribed in the Quotation documents should be scrupulously followed by the vendors. Quotation bids that do not comply with the terms and conditions are liable for rejection.

## 8. SUBMISSION OF BIDS

The Quotation offer should be submitted in one sealed envelope superscripted **BIDS FOR Software & Hardware for Wifi Enable Campus, Campus LAN, E-resource (Hardware), Institutional Repository etc.** which should in turn contain TWO sealed envelopes superscripted as

<b>Envelope 'A'</b> - Pre-Qualification details & Technical bid
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<b>Envelope 'B'</b> - Commercial Bid
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Each page of the bid has to be signed by an authorized official along with the Company seal.

### Envelope 'A'

1. Duly filled Technical Bid form as per the guideline as stated in the Sl. No. 3 above and format in Annexure II & III.
2. This envelope should also contain the following:
  - a) Copy of GST Registration certificate.
  - b) Address, Telephone no., e-mail id and Mobile no. of Marketing Executive as well as Guwahati & any other branch office that would be the point of contact.
  - c) Records of successful completion of IR Project with Dspace customization in colleges/ Institutions in Assam.
  - d) Other supporting documents, if any.

The documents as listed above should be of the same company and not of corporate / group / affiliated / associate company or a sister concern.

On request original documents should be produced failing which the Quotation is liable for rejection.

### Envelope 'B'

This envelope should contain the **Commercial Bid** as per format in Annexure-IV The financial proposal shall be made on the letter head of the bidder's company.

The Quotation Offer as indicated above should be addressed to the Principal and should be deposited in the Quotation box kept at the reception on the following address:-

The Principal  
 Dhemaji Commerce College  
 PO. Aradhal, Dist : Dhemaji  
 Pin. 787057, Assam  
 E-mail : dhemajicommercecollege@gmail.com

Quotation Bids should be submitted by 14:00 hrs on 22/11/2017. The College will not be responsible for delay of submission of the Quotation document under any circumstances. The College shall not be responsible for delayed delivery or non-delivery of Quotation bids that are sent by post. If the last date for submission of Quotation is declared a holiday by the authorities then the Quotation can be submitted on the next working day before 14:00 hrs.

## **9. OPENING OF BIDS**

The Sealed **Envelope “A”** containing the Pre-qualification bid and the Technical bid will be opened at 15.30 hrs on 22/11/2017 at the above address in the meeting of MONITORING COMMITTEE.

**Envelope “B”** containing commercial bid would be opened at the address given above in the same committee mentioned above on the basis of pre-qualification and technical bid of the bidder.

The successful bidder would be intimated at a later date.

The Commercial bid should be given as per the format given in the Annexure IV. It is mandatory to bid/quote for all details mentioned in Annexure I.

This procedure is subject to changes and the procedure adopted by The College for the Quotation shall be final and binding on all the parties.

## **10. DETAILS OF WORK INVOLVED**

- a. Delivery, installation and successful commissioning of all equipment.
- b. Installation of Server software and creating user ids and permissions etc.

## **11. REJECTION OF QUOTATIONS**

The Quotation is liable to be rejected due to any one of the following reasons:

- a) If it is received after the expiry of the due date and time.
- b) If it is not received in sealed condition.
- c) If the bid is conditional.
- d) If it is not in conformity with the instructions mentioned herein.
- e) If it is not properly signed by the bidder as required.
- f) If it is incomplete including non-furnishing of the requisite documents.

The College reserves the right to reject the Quotation without assigning any reasons whatsoever and the decision of The College is final and no communication would be entertained.

## **12. VALIDITY OF PRICES QUOTED IN QUOTATIONS**

Quotations should be valid for acceptance for a period of at least 90 (ninety) days from the date of acceptance of Quotation by The College. Offers with lesser validity period are liable for rejection.

## **13. AGREEMENT**

The successful bidder shall enter into an Agreement with the College. The College reserves the right to amend / modify all or any of the terms set out in the said Agreement.

#### **14. DELIVERY SCHEDULE**

The stipulated delivery schedule is as follows:

The successful Bidder should deliver the hardware as per specifications within a period of **2 weeks** from the date of issuance of purchase order.

#### **15. PAYMENT TERMS**

- 90% against delivery and verification of the equipment.
- Balance 10% against successful installation and commissioning of the equipment

#### **16. PENALTY FOR**

In the event of delayed delivery, installation & commissioning i.e. after the expiry of the period as agreed by both the parties, the vendor shall be liable for a penalty deduction at a percentage of the value of the undelivered equipment subject to a maximum of 5% (five percent) as detailed below:  
5% for Six weeks and above

For the purpose of this clause, part of the week is considered as a full week.

#### **17. GENERAL**

**This Quotation document is not transferable. The College reserves the right to:**

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- a) Accept / Reject any or all of the Quotations submitted by a vendor, without assigning any reasons thereof.
- b) May not purchase any or all the equipment without assigning any reasons thereof.
- c) Increase or decrease the quantities at the time of placing the order without change in the rates quoted by the vendor.
- d) Add, Modify, Relax or waive any of the conditions stipulated in the Quotation whenever deemed necessary.

## Annexure –I

## A. List of Items with details Specifications:

E-resource (Hardware), Institutional Repository etc. Delivery, installation and successful Customization under State Govt. Infrastructure Development Grants.

Sl.no.	Items	Details specification	Qty
1	Server Dspace	Xeon® E5-2609v4 (1.7GHz/8-core/20MB/85W)	1
		Intel® C610 Series 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	
1 U Rack Mountable			

	<p>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.</p> <p>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</p> <p>3. Server should support agentless management using the out-of-band remote management port.</p> <p>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.</p> <p>5. Applications to access the server remotely using popular handheld devices based on Android or Apple IOS should be available.</p> <p>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.</p> <p>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</p>	
	<p>The Systems Management software should provide Role-based security</p>	
	<p>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.</p>	
	<p>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).</p>	
	<p>Should support scheduled execution of OS commands, batch files, scripts, and command line apps on remote nodes</p>	
	<p>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.</p>	
	<p>Should help to proactively identify out-of-date BIOS, drivers, and Server Management agents and enable the remote update of system software/firmware components.</p>	



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

		<p>(White LED + lens illumination) x 2</p> <p>Horizontal scanning: 285 to 218 dpi / vertical scanning: 283 to 152 dpi*1</p> <p>Simplex "better mode" or "best mode": 3 seconds per page</p> <p>Simplex (colour / greyscale 150 dpi) (mono 300 dpi): 3 seconds per page*4</p> <p>Simplex (colour / greyscale 200 dpi) (mono 400 dpi): 3 seconds per page*4</p> <p>Simplex (colour / greyscale 300 dpi) (mono 600 dpi): 3 seconds per page*4</p> <p>Simplex (colour / greyscale 600 dpi) (mono 1,200 dpi): 3 seconds per page*4</p> <p>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</p> <p>30 mm or less</p> <p>Select one of the following. 1. Normal scan: press "scan" button for every page /</p> <p>2. Timed interval scanning (timed mode) / 3. Page turning detection</p> <p>USB 2.0 (USB 1.1 Supported)</p> <p>Deskew by text on document / Automatic page size detection / Automatic image rotation / Automatic colour detection,</p> <p>Book image correction*8 / Multiple document detection*9</p> <p>±1.5%</p> <p>AC 100 to 240V, 50 / 60Hz</p> <p>Operating: 20W or less (Sleep mode: 2.6W or less) Auto Standby (OFF) mode: 0.4W or less</p> <p>Temperature: 5 to 35 °C / Relative humidity: 20 to 80 % (Non-condensing)</p> <p>210 X 156 x 383 mm / 3kg</p> <p>ENERGY STAR® / RoHS*10 / Ecodesign*11</p> <p>Specific driver (Does not support TWAIN / ISIS™)</p> <p>Evernote</p> <p>Scan to Microsoft® SharePoint®*12</p> <p>1 Year</p>	
4	Automatic backup	<ul style="list-style-type: none"> <li>• Network protocol:             <ul style="list-style-type: none"> <li>· CIFS/SMB for Windows</li> <li>· NFS for Linux/Unix</li> <li>· AFP for Mac</li> <li>· DHCP client</li> <li>· PPPoE</li> <li>· Network Time Protocol (NTP)</li> <li>· iSCSI</li> </ul> </li> <li>• Network applications:             <ul style="list-style-type: none"> <li>Media server:                 <ul style="list-style-type: none"> <li>- Twonky media server with DLNA 1.5 and UPnP AV</li> <li>- iTunes server</li> <li>- Logitech media server</li> <li>- Photo album server</li> </ul> </li> </ul> </li> <li>• Web service:             <ul style="list-style-type: none"> <li>• WebDAV</li> </ul> </li> </ul>	1

• 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

<ul style="list-style-type: none"> <li>• Browser: IE 11+, Firefox 20+, Google Chrome 37+, Safari 5+</li> </ul>
Application Package Center
<ul style="list-style-type: none"> <li>• Cloud application:</li> </ul>
<ul style="list-style-type: none"> <li>• OwnCloud (Cloud synchronization)</li> </ul>
<ul style="list-style-type: none"> <li>• Google Drive</li> </ul>
<ul style="list-style-type: none"> <li>• Dropbox</li> </ul>
<ul style="list-style-type: none"> <li>• Memopal</li> </ul>
<ul style="list-style-type: none"> <li>• Download management:</li> </ul>
<ul style="list-style-type: none"> <li>• NZBGet (NZB file download management supported)</li> </ul>
<ul style="list-style-type: none"> <li>• Transmission (Torrent file supported)</li> </ul>
<ul style="list-style-type: none"> <li>• pyLoad (Download manager for many one-click-hosting sites)</li> </ul>
<ul style="list-style-type: none"> <li>• Additional:</li> </ul>
<ul style="list-style-type: none"> <li>• Gallery (The web-based application allows your NAS to host pictures)</li> </ul>
<ul style="list-style-type: none"> <li>• WordPress (Blogging tool and content management system)</li> </ul>
<ul style="list-style-type: none"> <li>• Tftp</li> </ul>
<ul style="list-style-type: none"> <li>• NFS</li> </ul>
<ul style="list-style-type: none"> <li>• Logitech media server (Stream audio system)</li> </ul>
<ul style="list-style-type: none"> <li>• PHP-MySQL-phpMyAdmin (MySQL administration tool)</li> </ul>
Hardware Specifications
<ul style="list-style-type: none"> <li>• CPU: FreeScale Dual Core Cortex-A9 1.2 GHz</li> </ul>
<ul style="list-style-type: none"> <li>• Memory: DDR3 1 G</li> </ul>
<ul style="list-style-type: none"> <li>• SATA hard disk2+2TB</li> </ul>
<ul style="list-style-type: none"> <li>• Hot swappable HDD support</li> </ul>
<ul style="list-style-type: none"> <li>• Two Gigabit Ethernet RJ-45 connectors</li> </ul>
<ul style="list-style-type: none"> <li>• Three USB 3.0 ports</li> </ul>
<ul style="list-style-type: none"> <li>• One SDXC card read (Up to 128 GB)</li> </ul>
<ul style="list-style-type: none"> <li>• Buttons:</li> </ul>
<ul style="list-style-type: none"> <li>• Power button</li> </ul>
<ul style="list-style-type: none"> <li>• Copy/Sync button</li> </ul>
<ul style="list-style-type: none"> <li>• Reset button</li> </ul>
<ul style="list-style-type: none"> <li>• Smart fan design</li> </ul>
<ul style="list-style-type: none"> <li>• Power consumption:</li> </ul>
<ul style="list-style-type: none"> <li>• Access mode: 36.5 watt (Max)</li> </ul>
<ul style="list-style-type: none"> <li>• Hard disk spin-down mode: 14.8 watt</li> </ul>
<ul style="list-style-type: none"> <li>• Power:</li> </ul>
<ul style="list-style-type: none"> <li>• Input: 100 - 240 V AC, 50/60 Hz</li> </ul>
<ul style="list-style-type: none"> <li>• Output: 19 V DC, 4.74 A</li> </ul>
Physical Specifications
<ul style="list-style-type: none"> <li>• Item dimensions (WxDxH): 190 x 225 x 160 mm (7.48" x 8.85" x 6.29")</li> </ul>
<ul style="list-style-type: none"> <li>• Item weight: 2,000 g (4.40 lb.)</li> </ul>
<ul style="list-style-type: none"> <li>• Packing dimensions (WxDxH): 316 x 269 x 286 mm (12.44" x 10.59" x 11.26")</li> </ul>
<ul style="list-style-type: none"> <li>• Packing weight: 3,800 g (8.38 lb.)</li> </ul>
Environmental Specifications
Operating Environment

		<ul style="list-style-type: none"> <li>• Temperature: 0°C to 40°C (32°F to 104°F)</li> <li>• Humidity: 10% to 95% (Non-condensing)</li> </ul> Storage Environment	
		<ul style="list-style-type: none"> <li>• Temperature: -30°C to 70°C (-22°F to 158°F)</li> <li>• Humidity: 10% to 95% (Non-condensing)</li> </ul> Certification	
		<ul style="list-style-type: none"> <li>• Safety: CE LVD, BSMI</li> </ul>	
5	IR Software, <b>DSPACE</b> (open source)	Installation & customization.	1
6	Online UPS 5KVA	5 KVA Single Phase Input / Single Phase Output a) True Online configuration with double conversion UPS with Micro Control Based b) UPS should be designed at Rated PF of 0.8 Minimum (Isolation transformer should be provided on the input side of the UPS systems), Input Voltage range should be minimum 160-300 V AC 1-Phase / 2-Wire & Gnd (Phase & Neutral + Ground) 230V 160 - 300V AC (On 100% Load) 160 - 300V AC (On 100% Load) 110 -300 VAC (On 50% Load condition) 0.99 on Full Load < 10% Compatibility to genset supply required 230 V ±1% 50Hz ± 0.1 Hz 47.5 to 52.5Hz Pure sine wave <2% Linear Load <5% Non Linear Load ,3:1 Up to 92% 3 min 30 sec 120-Minutes 192 V DC 16 nos 65AH for 120 Mins backup (Exide only) Sealed Maintenance Free (SMF) - 12V Cells To be Mention Amara Raja (Quanta make) / Panasonic / Exidepowersafe Available Optional - SNMP 0~40°C Continuous Input Breaker + Terminal Terminal Available	1

		Available	
		LED + LCD Display	
		IP 20	
		BIS Certified	
		EN 62040-1	
		EN 62040-2	
		IEC 62040-3	
		CE	
		ISO 9001 : 2008	
		BS OHSAS 18001:2007	
		2-year on UPS & Batteries	
7	Video Camera	Item specifics: New: A brand-new, unused and undamaged item.	1
		Sensor Type: CMOS, Sensor Resolution: 20.3MP	
		Camera Viewfinder Type: LCD	
		Colour: Black	
		Connectivity: HDMI, USB Optical Zoom: 60x	
		Digital Camera Sensor Type: CMOS Product: With Kit	
		Video Resolution: 4K Camera Type: Compact Digital Cameras	1
		Viewscreen Display Size: 2 to 2.9 Inches Digital Zoom: 4x	
		Warranty: Manufacturer Warranty, Duration: 2 years minimum, Display Size: 3.0 inch	
		Features: Audio Recording, Auto Power Save, Built-in Flash, Built-in GPS	
		Serviced In India: Guwahati, Assam. Memory Card Format: microSDHC Card	
		Battery Type: Li-ion	
		Assesories:	
		SanDisk Ultra 64GB Memory Card	1
Tripod Stand with Pan Head 4.5 Feet + Extra Quick Release Plate + Foam Grip and Carry Case			
3 Way pan Head and self adjusting camera, Mount flips up automatically with quick release lever.	1		

### B. List of Items with details Specifications:

Software & Hardware for Wifi Enable Campus, Campus LAN.

8	Router cum Modem	• 2.4 GHz 11n (2x2) for superior performance and coverage	1
		• 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+	

9	Rack	42U RACK ,1fan,1uCable manager , 6socket PDU,rackhardware	1
	24 Port Switchch	Total port count 26	1
		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	
		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	10
11	I/O Box	I/O Box	20
12	Switch	4 port	18

13	RJ connector,	RJ connector,	100
14	Networking charge	Networking with accessories	1
15	Outdoor Access Point	<p>The Access Point should have minimum 1 Port 10/100/1000Mb POE in Ethernet port.</p> <p>802.11n Access Point should be able to power up using standards 802.3af POE input, and at the same time operate in full MIMO mode.</p> <p>AP should have Dual Radios to support 2.4 GHz &amp; 5Ghz concurrent users with 802.11 a/b/g/n/ac capability. AP Must support 2x2 or 3x3 MIMO with 2 Radio Chain.</p> <p>AP should be able to handle upto 250 Concurrent users.</p> <p>AP should provide minimum 24 dBm transmit power for 2.4Ghz and 5 Ghz. (EIRP should be limited as per govt. regulation for outdoor AP's).</p> <p>Wireless Interface: Dual radio; 802.11a/b/g/n/ac ; 2.4Ghz and 5Ghz concurrent support.</p> <p>SSID support : 16 BSSID (8 BSSID per Radio)</p> <p>AP should support upto 300Mbps data rates in 2.4Ghz 802.11b/g/n and upto 867 Mbps in 5Ghz 802.11/a/n/ac.</p> <p>The access point should support 802.1q VLAN tagging</p> <p>Antenna: Integrated/External for 360 degree coverage, with 4 dB or better Gain for 2.4Ghz and 5Ghz both.</p> <p>Should support the operating temp -10° to 55° C and Humidity: up to 95% non-condensing.</p> <p>AP Must be IP67 certified for outdoor deployment. AP must be outdoor rated and no AP will be accepted which is indoor and installed in outdoor casing.</p> <p>The access point should support following security mechanism: WEP, WPA-PSK, WPA-TKIP, WPA2 AES, 802.11i.</p> <p>System should support Authentication via 802.1X, Local (controller based) authentication database, support for RADIUS and Active Directory.</p> <p>Web User Interface (HTTP/S) • CLI (Telnet/SSH), SNMP v1, 2, 3</p> <p>Should be managed by Controller or standalone if required</p> <p>Should be WPC approved</p>	3
16	Support	One Year Support	1

## ***Annexure II - Pre-qualification Bid Format***



PARTICULARS		INFORMATION TO BE FURNISHED BY THE BIDDER			
2.	Name and Address				
3.	Registration No. under the Companies Act 1956 (Attach Proof) (PQC-1)				
4.	Turnover and Net Profit (after taxation) for the past three years (or from 15-16) (Attach copy of Audited Financial Statement or Certificate from Auditors) (PQC-2)	Year	Turnover (in crores)	Net Profit (in crores)	
		2015-16			
5.	Details of OEM or Authorized Dealer /Authorized Service Partner of the OEM (Attach authorization letter from OEM) (PQC-3)				
6.	Details of supply IT equipments	Year of Order	Details of Organization & details of Contact person	Nature of order	Order value (in lakhs)
7.	Details of whether bidder is eligible for any price preference (attach valid proof)				
8.	Bidder may provide following Bank details				
	• Type of Account				
	• Account Number				
	• Name of the Bank				
	• Name of the Branch				
	• Address of Branch				
	• MICR Code No.				
• IFSC Code No.					

Please provide documentary proof of all information provided. For details, attach additional sheets, if required

**Place**

**Signature**

**Date**

**Name & Designation**

### ***Annexure III – Technical Details***

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1. The vendor must provide the offered specifications against every given specification for every item.
2. The vendor must provide a Bill of Materials with part numbers of the items to be supplied against the bid.
3. In addition, the bidders should enclose brochures and information hand-outs pertaining to the equipment being offered.

Sl. No.	Hardware (Detailed specifications are as per Annexure I)	Qty	Rate	Amount	Taxes	Total
--	--	A	B	C= A*B	D	E=C+D
1						
2						
3						
4						
5.						
6.						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
<b>Total</b>						

**Total in Words:** .....

**Authorized Signature & Seal of Bidder..... Date:**

**DECLARATION  
OF FARMS / DISTRIBUTOR / PUBLISHER WITH THE QUOTATION**

- (i) I/We ..... (names of partners/  
Proprietors/ Shareholders) do hereby declare that the entries made in this  
application form are true to the best of my/ our knowledge and believe.
  
- (ii) Mr ..... whose Signature is given  
below, is an authorized representative of this firm.
  
- (ii) I/We also undertake the responsibility to communicate all subsequent changes  
in the constitution or working of firm, affecting the accuracy of the facts, stated  
above.
  
- (iv) I/We shall abide by all the terms and conditions laid down by the College  
authority.

Authorized Signatory

Office Seal

Date: