

Index

1.0	Tender Notification	3
	1.1 General	4
	1.2 Required Server and Storage	4
2.0	Qualification Criteria	4
	2.1 Eligibility of the Bidder	4
	2.2 Track Record of installations	4
	2.3 Bidder Declaration for not Blacklisted	5
3.0	Instructions to Bidders	5
	3.1 Schedule of Requirements	5
	3.2 Terms and Conditions	5
	3.3 Offer Validity Period	5
	3.4 Address for Communication	5
	3.5 Tender Scrutiny	5
	3.6 Clarifications on Offers received	6
	3.7 Evaluation Criteria	6
	3.8 No Commitment to Accept the Lowest or Any Offer	6
	3.9 Documentation	7
	3.10 Format of Offer	7
	3.11 Cost & Currency	7
	3.12 Fixed Price	7
	3.13 Negotiation	8
	3.14 Completeness of Installation	8
	3.15 Performance Bank Guarantee	8
4.0	Terms and Conditions	8
	4.1 Payment Terms	8
	4.2 Delivery, Installation and Commissioning	9
	4.3 Liquidated Damages	9
	4.4 Order Cancellation	9
	4.5 Component Estimation	9
	4.6 Product Warranty and Support	9
	4.7 Terms of Execution of Contract	9
	4.8 Indemnity	9
	4.9 Publicity	10
	4.10 Guarantees	10
	4.11 Force Majeure	10
	4.12 Resolution of Disputes	10
	4.13 Jurisdiction	10
5.0	Annexure	
	5.1 Annexure A – Covering Letter Format	11
	5.2 Annexure B – Details of the Bidder	12
	5.3 Annexure C – Compliance of Technical Specifications	13
	5.4 Annexure D – Bill of Material	20
	5.5 Annexure FE– Check List by the Bidder	21

1.0 Tender Notification:

The Registrar, Gujarat University, invites online e-tender offers (through nProcure) from eligible, reputed manufacturers and/or their authorized dealers for **Supply, Installation Integration of Servers, Storage and other Peripherals** as specified in Schedule of Requirement of this tender.

Tender document may be downloaded from Gujarat University website (www.gujaratuniversity.ac.in) or (n)Procure website (www.nprocure.com) by interested eligible bidder. Any subsequent amendments in the tender document will be available on above mentioned website. Important dates and details are given below.

Tender Reference	GU062_2017_19
Name of the Project	Supply, Installation and Integration of Servers, Storage and other Peripherals
Approximate Cost	Rs. 50,00,000/- (Fifty Lakhs only)
Tender Processing Fee (Non-Refundable)	Rs. 5,000/- (Five Thousand only)
Earnest Money Deposit (EMD)	Rs. 1,50,000/- (One Lakhs Fifty Thousand only)
Delivery/ Installation Period from the date of Purchase order	60 Days.
Publication and Downloading of tender document starts from	28-Aug-2017
Pre-Bid Meeting	05-Sep-2017 at 15.00 Hrs at Rollwala Computer Centre, Gujarat University, Ahmedabad-380009
Last Date for downloading of tender documents	18-Sep-2017 17:00 Hrs.
Last Date for online submission of prices through n-Procure	18-Sep-2017 17:00 Hrs.
Last Date for submitting Hard Copy Tender document, DDs and other documents	19-Sep-2017 17:00 Hrs. at General Section, Room No. 38, First Floor, Main Building, Gujarat University, Ahmedabad-380009
Date and Time of Opening of Technical Bid and Commercial Bid	20-Sep-2017 15.00 Hrs.
Validity of quoted Prices	180 Days
Gujarat University Website	www.gujaratuniversity.ac.in
Contact Numbers	Phone: (079) 26300164, 26300877

- **COMMERCIAL RATES AND PRICES MUST BE SUBMITTED ONLINE THROUGH (n)PROCURE ONLY.** It is also important to submit the duly filled-in tender document (WITHOUT COMMERCIAL PRICES) along with DDs and supporting documents in hard copy in a sealed envelope at Gujarat University.
- Separate DDs in favour of “Registrar, Gujarat University” for Prescribed Tender Processing Fee and Earnest Money Deposit (EMD) must be enclosed with the sealed envelope as mentioned in this tender document. Offers received without DDs will be rejected.

- Detailed Technical Specifications, Terms and Conditions, Scope of Work, various format and Proforma for submitting the details are described in this tender document and its **Annexure**.
- Do not change this tender document. Any change/s made in the tender document by the bidder will lead to disqualification. Such offers will be rejected.

1.1 General

Gujarat University campus is spread over 260 Acres of land comprising of several buildings (about 40+) to house various teaching departments, offices, Hostel, Guest-House, convention center etc.. The University constructed Smart Classes in various departments. Digital podium will be installed in these smart classrooms..

1.2 Required: Server and Network Attached Storage

Gujarat University is in the process of procurement of Server and NAS for Application.

1. The Equipments should be capable to fulfill requirements of University.
2. All the Equipments should adhere to latest International Standards.
3. All Devices and equipment should be installed, configured, integrated and tested as required.
4. Two hard copies of detailed technical & installation documents along with a softcopy are to be provided.
5. All supplied products must have full warranty by manufacturers and bidders as per terms and conditions of this tender.
6. The entire work of supply, installation, configuration, integration and testing should be completed to the satisfaction of the Director, Rollwala Computer Center, Gujarat University, Ahmedabad and IT Cell.
7. The bidder may visit Rollwala Computer Centre, Gujarat University for any clarification on any working day between 16.00 hrs to 18.00 hrs with prior appointment.

2.0 Qualification Criteria

2.1 Eligibility of the Bidder

The bidder submitting the offers should have sound financial condition and should be having at least total 3.5 Cr turnover for three financial years as judged by the University for this purpose. A copy of last three financial years' relevant audited balance sheets, PAN, TIN, GST nos., must be submitted with the offer. The bidder should be in business of supply and installation of Server and NAS/SAN Storage for **at least 5 (Five) years in India**.

2.2 Track Record of installations

The bidder should have carried out Server and NAS installations of minimum 15 Server and minimum 2 NAS Storage systems during last 2 years. It is required that these orders should be for supply, installation, integration & Testing of Server and NAS Storage. Enclose all supporting documents.

2.3 Bidder Declaration for not Blacklisted

The Bidder should not be blacklisted/banned/declared having delivered dissatisfactory performance by any government/semi-government/educational authority in Gujarat for supply of materials/carrying out operations and maintenance work/application development.

3.0 Instructions to Bidders

The Technical details and other document including original tender must be submitted in the given format, meeting all the requirements with page number, sign and stamp on every page submitted:

3.1 Schedule of requirements:

Supply, Installation, Integration of Servers and NAS Storage, Testing and support for as required as per **Annexure-D**. The Bidder has also to provide all support services (Hardware/Software) for the warranty period from the date of completion of installation.

It may be noted that the requirements given in this tender are indicative only and Gujarat University may decide to vary the quantities as required. Gujarat University reserves its right to place an additional order for any / all of the components covered in this tender at the same price and terms within validity of offer.

3.2 Terms and Conditions:

Terms and conditions for bidders who participate in this tender are specified in the section named "Terms and Conditions". These terms and conditions are binding on all the bidders. These terms and conditions will form part of the purchase order.

The bidder should be agreeable to ALL the terms and conditions specified in the tender document. Conditional offers are liable for outright rejection.

3.3 Offer validity Period:

The offer should hold good for a period of number of days as specified in this tender.

3.4 Address for Communication:

The Registrar,,
Gujarat University, Ahmedabad – 380009
Phone: (079) 26300164, 26300877

3.5 Tender Scrutiny:

Gujarat University will scrutinize the offers received to determine whether they are complete as per tender requirement, whether technical documentation as asked for and necessary to evaluate the offer has been submitted, whether the documents have been properly signed, whether all required support documents are submitted, and whether all the items are offered as per the tender requirements. Offers not meeting the qualification criteria will be rejected.

Gujarat University may, at its discretion, waive any minor non-conformity or any minor irregularity in the documents. This waiver shall be binding on all the bidders and Gujarat University reserves the right for such waivers.

3.6 Clarification on Offers received:

To assist in the scrutiny, evaluation and comparison of technical details, Gujarat University may, at its discretion, ask some or all the bidders for clarifications on the documents. The request for such clarifications and the bidder response will necessarily be in writing or by e-mail communication.

3.7 Evaluation Criteria:

All Bidders will be first scrutinized for eligibility based on administrative and service data provided by them, and if found eligible will be considered for further evaluation. Based on the financial capability, experience and projects completed the eligible bidders will be given scores as follows:

Sr.	Parameter	Max. Score	Methodology	
			Value	Score
1	Annual Turn Over of the company for last 3 years (Enclose Audited Balance Sheet and Certificate from Chartered Accountant)	20	>=6 Crores	20
			>=4 and <6Crores	15
			>=3.5 and <4 Crores	10
2	Experience in Supply, Installation, Integration and Support of Server/NAS Storage systems (Enclose supporting Purchase Order Copies)	40	>10 Years	40
			>=5 and <=10 Years	30
3	Nos of Server/NAS Storage sold within (supply, installation, integration, testing and support of Server/ NAS storage) last 3- Years with minimum sum of total of 15+ server or storage to government /PSU/Semi Government or Pvt Organizations (Purchase Orders should be enclosed)	40	> 30 Nos of Server/NAS PO	40
			> 15-30 Nos Server/NAS PO	30

The University will open Commercial offers of only those bidders whose total Score calculated as above is **70 or more out of 100**. The decision of the University in the evaluation of bids shall be final. No correspondence will be entertained in this regard. The selection of successful bidder will be based on the L1 of total cost of all servers and storage devices combined.

3.8 No Commitment to Accept the Lowest or Any Offer:

Gujarat University is under no obligation to accept the lowest or any offer received in response to this tender and reserves its right to reject any or all the offers (part/full) including incomplete offers without assigning any reason whatsoever.

Gujarat University will not be obliged to meet and have discussions with any bidder and / or to entertain any representations.

3.9 Documentation:

The relevant product information, brand and model number offered, printed product brochure, technical specification sheets etc. should be submitted along with the offer. Please note that mentioning make or model number alone is not enough. Complete technical information should be provided.

3.10 Format for Offer:

The Technical offer should be made in an organized, structured and neat manner. Brochures/leaflets etc. should not be submitted in loose form. The suggested format for the technical offer is as follows:

- (i) Tender Processing Fee in the form of a DD as mentioned in the tender document.
- (ii) EMD by way of separate DD as mentioned in the tender document.
- (iii) Index
- (iv) Covering letter. This should be as per **Annexure-A, on the letter head of bidder.**
- (v) Details of the bidder as per **Annexure-B on the letter head of bidder.**
- (vi) Product Technical Specifications as given in **Annexure-C, to be filled in the tender document sheets**, and the specification compliance is to be confirmed. Any deviation in the specifications should be clearly mentioned in the column provided.
- (vii) Technical Documentation (Product Brochures/ Technical product document, leaflets, manuals etc.) of products offered should be attached. Bidder should provide the Brand, Model number and part number. Bidder should make sure that all technical specifications complied by him, data should be available in technical documents.
- (viii) The bidder has to quote for ALL options of the Annexure-D.**
- (ix) Copies of purchase orders and certificates should be attached.
- (x) Financial Details (audited balance sheets etc.) and other supporting documents, as asked for in the tender document.
- (xi) Manufacturer's Authorization Certificate.
- (xii) The original tender document duly filled in as required.
- (xiii) Commercial offer should **NOT BE** included in the documents submitted to the University.
- (xiv) Check List (**Annexure-E**) by the Bidder to be filled in the tender document sheet.

Bidder should put Page Numbers and Signature with stamp of authorized person on each page of all papers submitted.

3.11 Costs & Currency:

(A) Your offer should be in INR including cost of the devices with software and required components, Freight, Transportation, Insurance, Installation and Integration charges and ALL Taxes/GST etc. INCLUSIVE.

(B) The installation, commissioning and warranty maintenance service will be the responsibility of the bidder, including Transport, Freight and Insurance.

3.12 Fixed Price:

The commercial offer shall be on a fixed price basis. Exchange rate variation during the validity period would not be considered in any case.

3.13 Negotiation:

It is absolutely essential for the bidders to quote the lowest price at the time of making the offer in their own interest, as the University may not enter into any further price negotiations.

3.14 Completeness of Installation:

The installation will be certified as complete only when all the Equipments, software and components, are installed, integrated and tested as per plan of the Gujarat University and accepted by the University Authority. The completion also includes providing two sets of hard copy and soft copy of complete documentation (with all technical/Installation details) for site and total system installation.

Installation should be carried out by qualified/ experienced and trained technical person. The Bidder should have all modern tools and equipment to avoid any damage to installation/University property

3.15 Performance Bank Guarantee:

The bidder who is awarded with the order is required to submit, a performance bank guarantee, from a Nationalized/private Bank, equivalent in Indian rupees for **5%** of the value of order. The bank guarantee will have to be given at the time of acceptance of the offer and it will be valid for the period till **24 months** after the completion certificate of successful installation is issued by the University.

4.0 Terms and Conditions

The following are the terms and conditions of this tender which will be binding on the bidder as a part of purchase order.

4.1 Payment Terms:

Gujarat University will pay 90% of the invoice amount after the material is received and inspected by the University. Remaining 10% of the order value will be paid by the University on successful completion of installation.

4.2 Delivery, Installation and Commissioning:

The Bidder shall be responsible for shipment, delivery, installation, integration with GUNET & Testing of server and NAS. The bidder shall be responsible to supply the equipments & components as stipulated in the purchase order.

If the Bidder fails to deliver and install the Systems & components ordered within the stipulated time schedule, the same shall be treated as a breach of contract. In such case, the University reserves its right to cancel the purchase order and invoke the bank guarantee without any notice.

Appropriate insurance to cover all the equipment up to delivery and installation shall be taken by the Bidder. Bidder should also take sufficient care in insuring the workforce being deployed to carry out the installation and integration work at the University campus.

At the discretion of the University, there will be an acceptance test conducted by the University's officials and/or its nominated consultants after installation.

The installation work will be deemed as complete only when the same is accepted by the University in accordance with the Terms & Conditions of this tender and an acceptance letter is issued by the University.

4.3 Liquidated Damages:

If the Bidder fails in delivery, installation and commissioning of Server and NAS Storage as per the terms of this tender, the University shall be entitled to charge penalty/liquidated damages @ 0.5% of the order value per week or part thereof subject to a maximum of 10% of the order value. If it is delayed more than 10 Weeks, the order may be cancelled at the discretion of the University without any liability to the University.

4.4 Order Cancellation:

Gujarat University reserves its right to cancel the entire Purchase Order at any time by assigning appropriate reasons in the event of one or both of the following conditions:

- (i) Delay in delivery and installation beyond the specified period.
- (ii) Serious discrepancy noticed during the inspection.

In addition to the cancellation of purchase order, the University reserves the right to invoke the bank guarantee given by the supplier to appropriate the damages.

4.5 Server and NAS storage

The quantities mentioned in the tender document are tentative and approximate only and shall be used for price comparison purpose.

4.6 Product Warranty and support:

The Bidder/OEM will have to provide a letter confirming minimum of **5-Years** comprehensive ON-SITE comprehensive product repair/replacement warranty (Hardware, Software & Upgrades) and provide product support there after.

4.7 Terms of execution of contract:

The bidder shall keep a site engineer present during the execution process.

The University will not be responsible for any mishaps / accidents occurred during installation / execution of the project. All legal responsibilities are of the bidder.

Two persons will be identified by the bidder to co-ordinate the execution of the project. At the start of the project the bidder must provide this information to the University in writing with name, designation, qualification, including contact details. During the implementation phase, when the work is in progress, at any given time at least one of them must be present at the University.

4.8 Indemnity:

The bidder shall indemnify, protect and save Gujarat University against all claims, losses, costs, damages, expenses, action suits and other proceedings, resulting from infringement of any patent, trademarks, copyrights etc. or such other statutory infringements in respect of all the items supplied by him.

4.9 Publicity:

Any publicity by the bidder in which the name of Gujarat University is to be used will be done only with the explicit written permission of Gujarat University.

4.10 Guarantee:

The bidder should guarantee that all the devices and components supplied to Gujarat University are brand new and are free from any manufacturing defects and not declared as 'end of life' by the manufacturer.

4.11 Force Majeure

The Bidder shall not be liable for the default or non-performance of the obligations under the contract, if any reason or circumstances or occurrences beyond the control of the bidder.

For the purpose of this clause, "Force Majeure" shall mean an event beyond the control of the bidder, due to or as a result of or caused by acts of God, wars, insurrections, riots, earth quake and fire, events not foreseeable but does not include the Bidder's fault or negligence or carelessness on the part of the Bidder, resulting in such a situation.

In the event of any such intervening Force Majeure, the Bidder shall notify the University in writing of such circumstances and the cause thereof immediately within five calendar days. Unless otherwise directed by the University, the Bidder shall continue to perform/render/discharge other obligations as far as they can reasonably be attended/fulfilled and shall seek all reasonable alternative means for performance affected by the Event of Force Majeure.

In such a case, the time for performance shall be extended by a period(s) not less than the duration of such delay. If the duration of delay continues beyond a period of three months, the University and the Bidder shall hold consultations with each other in an endeavor to find a solution to the problem. Notwithstanding above, the decision of the University shall be final and binding on the Bidder.

4.12 Resolution of Disputes:

All disputes and differences of any kind whatsoever, arising out of or in connection with this Offer or in the discharge of any obligation arising under this Offer (whether during the progress of the work or after completion of such work and whether before or after termination, abandonment or breach of the Agreement) shall be resolved amicably. In case of failure to resolve the disputes and differences amicably, the matter may be referred to a sole arbitrator mutually agreed upon after issue of at least 30 days notice in writing to the other party clearly setting out therein the specific disputes. In the event of absence of consensus about the single arbitrator, the dispute may be referred to joint arbitrators, one to be nominated by each party, and the said arbitrators shall appoint a presiding arbitrator. The provisions of the Indian Arbitration and Conciliation Act, 1996, shall govern the arbitration. The venue of the arbitration shall be Ahmedabad.

4.13 Jurisdiction:

In the event of any dispute not resolved amicably as enumerated in the above clause, Ahmedabad shall be considered as the place of execution of this contract arrangement and only courts in Ahmedabad alone shall have jurisdiction in the matter.

5.1 Annexure-A - Covering Letter Format:

Date: _____ 2017

Tender Reference No.: **GU041_2016_08**

To:
The Registrar
Gujarat University
Navrangpura
Ahmedabad – 380009.

Having examined the tender document including all annexures we, the undersigned, offer to supply, deliver, install, configure, integrate and test the Server and NAS relevant software and Components in the University campus in conformity with the said tender in accordance with the Schedule of Prices indicated in the commercial offer through e-Tendering.

If our offer is accepted, we undertake to complete the delivery, installation, integration and testing of all the components as specified in the offer document, within the period mentioned in the tender, calculated from the date of receipt of your Notification of Award. We also agree to provide comprehensive, on-site product replacement warranty as mentioned in the tender.-

We understand that Gujarat University is not bound to accept the lowest or any offer Gujarat University may receive without assigning any reason whatsoever.

We state that we are not blacklisted/banned/declared having delivered dissatisfactory performance by any government/semi-government authority in Gujarat for supply of materials/carrying out operations and maintenance work/application development.

If the details provided by us are found wrong or contradictory any time during evaluation or project implementation, we will be responsible for all consequences. We understand that in such a situation, the University has full authority to take appropriate action.

Dated this ____ day of _____ 2016

Signature: _____

(In the Capacity of:) _____
Duly authorized to sign the offer for and on behalf of
Seal of the company

5.2 Annexure-B - Details of the Bidder:

Details filled in this form must be accompanied by sufficient documentary evidence, in order for Gujarat University to verify the correctness of the information.

No.	Item	Details
1	Name of Bidder	
2	Mailing Address	
3	Telephone and Fax numbers	
4	Constitution of the Company with documentary proof.	
5	Name, designation and contact details including Mobile Number of the person authorized to make commitments to Gujarat University	
6	Email Address	
7	Year of commencement of Business with a copy of documentary proof.	
8	Turn over of the company (not of group) 2014-15 2015-16	
9	GST (attached a copy of document)	
10	Income Tax (PAN/TIN) Number (Attach a copy)	
11	Whether direct manufacturer or authorized dealers (Attach supporting document)	
12	Brief Description of after sales service facilities available with the Bidder (Attach a separate sheet if required)	
13	Ahmedabad Office Address with Phone and Fax no., Name and contact details of person in charge	

Date:

Signature and Seal of Bidder

Annexure-C – Compliance of Technical Specifications of Server and Storage**5.3.1 Hardware :: Rack based Server**

Sr. No.	Hardware Device Specifications		Compliance Yes/ No	Deviation should be clearly mentioned
A		Make/Brand	Model Number	
1	Chassis	2U Rack Mountable		
2	Processor	2 * Intel® Xeon® Processor E5-2650 v4 (30M Cache, 2.20 GHz, 12 Core) 64 bit or higher		
3	RAM	Server should configured with 2*32 GB DDR4 RDIMM RAM. It Should be capable of identifying and reporting whether genuine OEM memory is installed.		
4	Memory Scalability	Memory should be scalable up to 512GB RAM using RDIMM Modules		
5	HDD	4 X 1.2TB 12G SAS 10K RPM Hot swappable HDD		
6	HDD Carrier LED Indicator	There should be required OEM mechanism or functionality within drive carrier/cage which indicates LED icon-based-display, reporting the HDD's status that shows which HDD from logical group may remove/not remove caution indicator that gets activated automatically in order to avoid data loss/downtime due to wrong drive removal.		
6	Bays RAID	At least Support for 8 hard drive 2.5" hot swappable drive chassis		
7	controller	2GB Flash Cache		
8	Cache RAID controller	At least support for Hardware RAID 0,1,5,6		
9	Keyboard	104 keys Keyboard		
10	Mouse	2 Keys Optical scroll mouse		
11	Optical Drive	Slim Line DVD Writer (Internal / External through USB connectivity)		
12	Networking	At least 2* 1GBps Gigabit Ethernet controller + 2*10GB Ethernet Base T Adapter		
13	Ports	1 Front and 2 Rear USB 2.0 ports, 1 serial port, 2 RJ45 port or higher,		

14	Slots	Up to 6 PCIe 2.0/3.0 slots		
15	Power Supply	Redundant Hot swap power supply		
16	Management	Remote Management Software should be provided Support remote connection to LAN console port via SSH and web browser with SSL encryption LAN console port supports remote power up and power down control Support Event notification to system console,		
17	Management Console Port	1Gbps Base T Management LAN with web console access		
18	Rack Rails	Rack rails needs to supply along with Server		
19	OS Support	Microsoft Windows Server 2008/2012/2016, Red Hat Enterprise Linux or latest		
20	Certifications	RoHS ,UL ,CE/FCC or equivalent third party certification from reputed Agency, Windows Logo Certification		
21	Warranty	5 Years 24*7 Comprehensive onsite Hardware OEM warranty with Advance replacement of parts and labour included HDD		
22	Gartner/IDC Report	Server OEM should be amongst top 3 vendor in IDC/Gartner worldwide market share, submit the IDC/Gartner report of last 2 years		

5.3.2 Hardware :: Network Attached Storage

Sr. No.	Hardware Device Specifications		Compliance Yes/ No	Deviation should be clearly mentioned
A		Make/Brand	Model Number	A
1.	Rack mount	NAS Controller Should be rack mounted with a form factor of not more than 2U		
2.	Processor	Processor :One Intel® Xeon®E5-2609v3 (1.9GHz/6-core/15MB/85W) Processor or higher		
3.	Memory	64 GB DDR4 RAM or higher, scalable up to 96 GB DDR4 RAM		

4.	Hard Drives	Shall be configured with minimum 30TB usable capacity in RAID5 using 12G Midline SAS 7.2K 3.5inch Hot plug HDDs along with 1 Global Hot spare HDD. PN: Certified HDDs with NAS OEM Part Number Should be supplied directly by offered NAS OEM.		
5.	Storage expandability	Storage shall supplied with minimum 12 LFF SAS/SATA HDD bays for DATA DISK/Volume, Storage Expandability: Shall have more than 150 Disk scalability using 7.2K RPM enable various types of disks. (SATA/NLSAS/MDL SAS) / SAS(10K/15K RPM) drives by providing associated hardware whenever required.		
6.	Network Connectivity	4 X 1Gbps & 2x10GB Ethernet Base T Adapter ports		
7.	Protocols support	Protocols support : NFS, SMB (CIFS), HTTP and HTTPS, FTP and FTPS, iSCSI		
8.	Fault Tolerance	Fault Tolerance: Offered NAS shall support Raid 1+0, Raid 5 and Raid 6 for additional disk enclosures. Raid controller shall have minimum of 2GB flash back write cache. OS drives shall be protected in raid 1+0 in separate HDDs other than DATA volume .		
9.	Network Client Types Support	Should support Windows 7, 8, Windows 2008, 2012, Support		
10.	Manageability	Advanced interface with following 1.Common interface for NAS management tasks like CIFS, NFS, Volume Management etc. 2. Remote management		
11.	Operating System	Microsoft Storage Server 64 bit edition (NAS optimized) including powered OS drivers		
12.	De-duplication	4. License for DE-duplication shall be provided if applicable.		
13.	File screening and quota management	1. Offered NAS shall have support for file screening so that admin can ensure that users shall not be able to store unwanted files on offered NAS device.		

		2. Offered NAS shall have Quota management		
14	File Management	1. Shall have flexibility to expire or move files to different folder / Location / Volumes / drives		
15	SAN storage (iSCSI based)	Integrated iSCSI for block access over LAN.		
16	Snapshots	Point in time copies of your data to guard against data corruption.		
17	Encryption and Compression	Shall have support for encryption and Compression. License for both of same shall be offered.		
18	Replication	Offered NAS shall also be offered with replication License for Disaster recovery.		
19	Power Supply	Redundant Hot swap power supply		
20	Warranty	5 Years 24*7 Comprehensive Hardware OEM warranty with Advance replacement of parts included HDD		
2	Gartner/IDC Report	Storage OEM should be amongst top 3 vendor in IDC/Gartner worldwide market share, Pls submit the IDC/Gartner report of last 2 years		

5.3.3 Hardware :: SERVER RACK

Sr. No.	Hardware Device Specifications	Compliance Yes/ No	Deviation should be clearly mentioned
A	Make/Brand	Model Number	
1.	42 U Rack 600W *1000D		
2.	Door Steel Ful Prf 800Wx 24U		
3.	Fan housing unit 4 fan position		
4.	Fan 230 Vac 90 CFM		
5.	Castor with ft break(2+2)		
6.	AC Mains Chnl (8 X15A)		
7.	Captive Mounting Hardware of 20		
8.	Shelf Stationery 725mmD		
9.	Tray KB Rotary type		
10.	2 nos. cable manager		
11.	Max load rating: 700 Kg or above		
12.	IPDU : 2 nos of 32 Ampere IP PDU along with required industrial sockets should be same make of OEM only		
13.	RACK brand should be ISO 9001: 2008		

5.3.4 Hardware :: 10KVA UPS

Sr. No.	Hardware Device Specifications		Compliance Yes/ No	Deviation should be clearly mentioned
A		Make/Brand	Model Number	A
1.	Technology	10KVA Online UPS with PWM Technology suitable for Single Phase AC input voltage		
2.		Rectifier & Inverter both be IGBT based PWM		
3.	General	UPS shall be housed in rugged enclosure made of M.S. Sheet 1.2 mm (minimum) thick, aesthetically finished, duly pre-treated and powder coated.		
4.		UPS shall be free from workmanship defects, sharp edges, nicks, scratches, burs etc. All fasteners shall be fixed properly. The equipment shall be complete with all parts and all parts shall be functional		
5.	Certifications	ISO 9001:2000 and 14001 Certified OEM (certificate to be submitted)		
6.		UPS should meet CE and ROHS standards (Compliance to be submitted)		
7.	Input Voltage Range	160 - 280 Vac L-N @ 100% load, Single Phase, 3-Wire		
8.	Input Freq. Range	50 Hz +/- 10% Hz		
9.	Input Power Factor	0.99 (100% Load)		
10.	Input Protection	Thermal Circuit Breaker		
11.	Output Voltage	220/230/240 VAC +/- 1%		
12.	Output Frequency	50Hz \pm 0.2Hz (on Battery operation) Synchronous mode (on Mains operation)		
13.	Output Power Capacity	10KVA: 8000W		
14.	Output Waveform	Pure Sinewave		

15.	O/P Voltage Distortion	<3% for Linear, <6% for Non Linear Load		
16.	Output Connections	Output Connections : (1) Hard Wire 3-wire (L, N, G) - 01 nos (2) IEC 320 C13 - 04 nos through programmable Outlet		
17.	Efficiency (Overall)	> 85%		
18.	Battery Type	SMF-VRLA (Sealed maintenance free valve regulated lead acid)		
19.	Battery Make	Exide/Quanta		
20.	Battery VAH	> 22000 VAH for 2 Hour Backup		
21.	Noise level	<50 dB		
22.	Communication	Full-Functional SNMP Card should be present with SMS and e-Mail facility; RS 232 & USB port with software for UPS status monitoring		
23.		UPS Status Remote Alarm (15-20 Ft distance)		
24.	Protection	Inherent protection should be provided for Output Short-circuit and Overload, Input Fault, Cold Start, Low battery, Battery Over and Under charge, Battery Disconnect, Battery self-test feature, Over Temperature, etc		
25.	LCD Display	Input Voltage, Input Frequency, Output voltage, Output Current, Output Frequency, Battery Voltage, UPS Status, Load Level, Battery Level, Discharge Timer, Battery Disconnect and Fault Conditions		
26.	By Pass	Manual and Automatic (Built-in) Bypass switch should be provided		
27.	Environment	Noise Level – less than 60 dB at a distance of 1 meter		
28.	Operating Temperature	0-45 degC		
29.	Relative Humidity	20-90%RH @0-400 C (Non-condensing)		

30.	Others	ECO Mode Operation with Enable/Disable function		
31.		Emergency Power Off (EPO)		
32.		BYPASS Mode Operation with Enable/Disable function		
33.		Cables : With all necessary cables and plug and Battery links		
34.		Rack: Suitable Metallic Rack for housing of SMF Batteries to be provided.		
35.	Programmable Outlet	UPS should have 2 Outlets Provision – one for Critical load and one for Non-critical load(Programmable Outlet)		
36.		Power to Non-Critical load segment should be automatically cutoff after 30min of mains failure.		
37.	Warranty	5 year comprehensive including batteries replacement and maintenance(onsite). In case of failure stand by unit to be provided immediately, in no circumstances UPS must not remain down.		

5.3.5 Software :: Windows Server OS License

Sr. No.	Hardware Device Specifications		Compliance Yes/ No	Deviation should be clearly mentioned
A		Make/Brand	Model Number	A
1.	Server OS	Windows Server 2016 OLP NL Academic License		
		(Note: Each Server has 24 CPU core so license should be supply in 1 lot per server as per MS license policy)		

5.4 Annexure-D - Bill of Material (for Supply, Installation and Integration with GUNET) of Server and Storage:

Sr. No.	Item Description	Unit	Qty
1	Rack based server specification as per annexure C	Nos.	5
2	Network Attached Storage specification as per Annexure C	Nos.	1
3	Server RACK as per annexure C	Nos	1
4	10 KVA UPS as per annexure C	Nos	1
5	MS Windows Server 2016 OLP NL Academic License (Note: Each Server has 24 CPU core so license should be supply in 1 lot per server as per MS license policy & Prices should offer each Physical Server with 24 CPU Core)	1 Lot Per Server	5

5.5 Annexure-E - Check List by the Bidder:

Sr. No.	Document	Yes/No	Page No.
1	Tender Processing Fee Demand Draft		
2	EMD Demand Draft		
3	Covering Letter Annexure-A		
4	Details of Bidder Annexure-B with all required enclosures		
5	Compliance of Technical Specification Annexure-C		
6	Product Documentation with full technical product catalogue		
7	Copies of PO and client information satisfying the Qualification Criteria (2.1 and 2.2) for Track Record and all documents related to Evaluation Criteria (3.7).		
	List of qualified/ Experienced Engineers available with bidder to carryout the installation and testing work (Please attach a list with name, qualification and experience)		
8	Financial Details- Audited Balance sheet of last two financial years		
9	Any other additional document		
10	Enclose original tender document and other enclosures with seal & authorized signature on each page.		