Revised Bid Document

GUJARAT INFORMATICS LIMITED

Block No. 2, 2nd Floor, Karmayogi Bhavan,
Sector-10 A, Gandhinagar 382 010
Phone No: 079 - 23256022

Bid for the Selection of Agency for Supply, Installation, Commissioning, Warranty Support and Operation & Management of IT Infrastructure for GSFC University, Vadodara (Tender No. HWT061119592)

Last Date of Submission of Bid: 13.01.2020 till 1500 hours

Last Date of Submission of Bid Processing Fees & EMD: 13.01.2020 till 1500 hours

Date of Opening of Technical Bid: 13.01.2020 on 1700 hours

Bid Processing Fee: Rs. 17,700/-

Introduction

The GSFC University is located on the outskirts of multicultural, cosmopolitan Vadodara city. The campus lies within the sprawling and lush green surroundings of GSFC which enables students to relax, interact and study.

GSFC University is recognized under the Gujarat Private University (Second Amendment) Act, 2014 and is established in 2010 by the GSFC Education Society - an initiative of Gujarat State Fertilizers and Chemicals Ltd, six decades old industrial giant, to continue the tradition of serving the community in multiple ways. The vision behind establishing this distinct University is societal development through relevant and cutting edge knowledge in frontier areas of professional growth.

The vision & mission of GSFCU is to be the best compact boutique institution with a futuristic approach, encouraging student centric culture and sharpened focus on developing industry ready & employable students with all-round development.

GSFC University is in process of developing Web Portal/ERP for Campus Management End to End Solution. Considering the same, the objective of this RFP is to strengthen existing IT infrastructure and procurement of Hyperconverged Infrastructure, Backup, Networking, Software and Data Centre related items including supply, implementation and post implementation support for the same.

GSFC University (herein after referred to as the Purchasers) for the requirements of Central IT Infrastructure & other IT Infrastructure, intend to invite your bid for the Supply, Installation, Commissioning, Warranty Support and Operation & Management of IT Infrastructure for GSFC University, Vadodara. (Tender No. HWT061119592).

The selected Agency shall be fully capable and experienced in the work of carrying out similar work.

The Selected Agency must have trained and certified manpower including technicians capable of carrying out this job. The agency is required to deploy the trained & experienced manpower for this project.

The selected agency will have to supply, install and maintain the supplied hardware and provide O&M Support at GSFC Campus as per the scope defined in this bid for the contract period.

Bidder is requested to offer the cost for all the items and all the accessories as mentioned in bid document. GSFC University does not guarantee any fixed quantity at the time of signing the tender.

Proposal in the form of BID are requested for the items/services in complete accordance with the documents to be uploaded as per following guidelines.

Bidder shall submit their bids on https://gil.nprocure.com.

The bidder will have to submit **Nonrefundable Bid Processing Fees of Rs. 17,700/- & Earnest Money Deposit (E.M.D.) of Rs. 3,00,000/- (Refundable)** on or before date & hours of submission of bid in a sealed cover at GIL office with the heading **"Bid processing Fees & EMD for Tender no HWT061119592 for the Selection of Agency for Supply, Installation, Commissioning, Warranty Support and Operation & Management of IT Infrastructure for GSFC University, Vadodara."**

- **Bid processing fees** must be in the form of **Demand Draft** in the name of **"Gujarat Informatics Ltd** along with the covering letter.

- **EMD** as mentioned above, shall be submitted in the form of Demand Draft **OR** in the form of an unconditional Bank Guarantee **(which should be valid for 9 months from the last date of bid submission)** of any Nationalized Bank including the public sector bank or Private Sector Banks or Commercial Banks or Co-Operative Banks and Rural Banks (operating in India having branch at Ahmedabad/ Gandhinagar) as per the G.R. no. EMD/10/2018/18/DMO dated 16.04.2018 (http://www.gil.gujarat.gov.in/grs/DMO_2173_16_Apr_2018_714.pdf) issued by Finance Department or further instruction issued by Finance department time to time; in the name of "Gujarat Informatics Ltd." (as per prescribed format given at Annexure A) and must be submitted along with the covering letter.

Please affix the stamp of your company on the overleaf of demand draft.

Note: Failing to submit physical covers of EMD and Bid Processing Fees at GIL on or before the last date & time of submission as given in this bid, may lead to the rejection of the bid.

The Bid Processing Fees & EMD Section and Eligibility Section will be opened on the specified date & time in the presence of the committee members and representatives of the bidders who choose to attend. The representative will be held responsible for all commitments made on behalf of the bidder and that will be considered valid for all further dealings related to this tender process.

Once quoted, the bidder shall not make any subsequent price changes, whether resulting or arising out of any technical/commercial clarifications sought regarding the bid, even if any deviation or exclusion may be specifically stated in the bid. Such price changes shall render the bid liable for rejection.

In addition to this bid, the following sections uploaded are part of Bid Documents.

Section	Name of Section
Section - 1	Eligibility Criteria
Section - 2	Scope of Work
Section - 3	Instructions to Bidders / General Terms & Conditions
Section - 4	Bill of Material
Section - 5	Technical Specifications of Equipments
Section - 6	Financial Bid Format
Section - 7	Annexure
Section - 8	Performa of Compliance letter / Authenticity of Information Provided
	Performa of Performance Bank Guarantee & Contract Form

The summary of various activities with regard to this invitation of bids are listed in the table below:

1	Bid Reference Number	**Tender No. HWT061119592**
2	~~Date of Pre-Bid Meeting~~	~~-~~
3	~~Venue of Pre-Bid Meeting~~	~~GUJARAT INFORMATICS LIMITED BLOCK NO. 2, 2nd FLOOR, KARMAYOGI BHAVAN, SECTOR-10 A, GANDHINAGAR (GUJARAT)~~
4	Last Date & Time for Submission of Bids electronically on https://www.....nprocure.com	**13.01.2020 till 1500 hours**
5	Date & Time of Opening of Bids (Un-priced Bids)	**13.01.2020 at 1700 hours**
6	Date & Time of Opening of Commercial Stage	Will be intimated to the qualified bidders at a later date.
7	Venue of Opening of Bids	**GUJARAT INFORMATICS LIMITED** BLOCK NO. 2, 2nd FLOOR, KARMAYOGI BHAVAN, SECTOR-10 A, GANDHINAGAR (GUJARAT)
8	Bid Processing Fees (Non-refundable)	**Rs. 17,700./-**
9	Earnest Money Deposit (E.M.D.)	**Rs. 3,00,000/-**
10	Contact Person	DGM(Tech) **GUJARAT INFORMATICS LIMITED** BLOCK NO. 2, 2nd FLOOR, KARMAYOGI BHAVAN, SECTOR-10 A, GANDHINAGAR (GUJARAT)

Note: Please specify Tender Number in all your correspondence.

SECTION I

Eligibility Criteria for the bidder:

1. The bidder should have a total sum of turnover of Rs. 15 Crore (Minimum) in the last three financial years as on 31st March 2018. The copies of Audited Annual Accounts/Balance Sheet along with Profit & Loss Account and CA Certified Statement for last three financial years as on 31st March 2018 shall be attached along with the bid. **(Form no. E-1)**

2. The bidder should have local presence and should have office in Gujarat. The bidder should have service support infrastructure to provide warranty services. The details of such service support infrastructure must be enclosed. Please upload the copies of any two of the following: Property Tax Bill of last year / Electricity Bills of last one year / Telephone Bills of last one year / GST Registration / Valid Lease Agreement. **(Form no. E-2)**. **In case, bidder does not have office in Gujarat, bidder should give undertaking to open office in Gujarat within 45 days from the date of purchase order.**

3. **Bidder's past experience:** The bidder must have experience of executing **at least TWO System Integration project each of value of minimum Rs. 1 Crore which includes supply & installation of Data Center Equipments like Servers, Storage, Switches, Backup device etc**. **in India during last five years** as on bid submission date. Copies of PO & customer certificates to be submitted. **(Form no. E-3)**

4. The bidder should be authorized by its OEM to quote this bid (for the items specified in **Form no. E-4)** for the authenticity, authorized representation and after sales support. The bidder should have a back-to-back support agreement/arrangement for services including supply of spare parts etc. with the Original Equipment Manufacturer (OEMs). Please upload the copy of Authorization on OEM letterhead and signed by authorized signatory for the item(s) to be offered in this bid.

5. No consortium will be allowed. The bidder must meet all the eligibility criteria by self. Bidders undertaking should be submitted.

6. Bidder should not be blacklisted/debarred by any Ministry of Government of India or by any State Government of India or any of the Government PSUs at the time of bidding. Self-Declaration mentioning that the Bidder is not blacklisted/debarred as per the clause should be submitted.

7. OEM of the proposed Hyper-Converged Solution, Firewall & Switches should be from companies featuring in latest Gartner Magic Quadrant OR should be amongst the top five positions in terms of worldwide market share as per latest IDC report. Documentary proof to be submitted for latest available Gartner Magic Quadrant for Hyperconverged Infrastructure (for Hyper-Converged), for UTM/Enterprise Network Firewall (for Firewall) & for the Wired and Wireless LAN Access Infrastructure (for Networking Switches) OR latest IDC report for the respective item.

Note:

1. All the details and the supportive documents for the above mentioned items should be uploaded in eligibility section in the bid.

2. Bidders who wish to participate in this bid will have to register on https://....nprocure.com. Further bidders who wish to participate in online bids will have to procure Digital Certificate as per Information Technology Act 2000 using which they can sign their electronic bids. Bidders can procure the same from (n) code solutions – a division of GNFC Ltd., or any other agency licensed by Controller of Certifying Authority, Govt. of India. Bidders who already have a valid Digital Certificate need not procure a new Digital Certificate.

SECTION II

Scope of Work

GSFC University is in process of developing Web Portal/ERP for Campus Management End to End Solution to make the efficient use of IT. Considering the same, GSFC wants to strengthen the existing IT infrastructure and procure new Hyperconverged Infrastructure, Backup, Networking, Software and Data Centre related items including supply, implementation and post implementation support for the same.

The Project at GSFC University is proposed to provide a robust, reliable, fast, latest, secure and well-established/managed IT infrastructure by installing/establishing Hyperconverged Infrastructure, Backup, Networking, Software and Data Centre equipment's with 5 year of Warranty and Support & Maintenance.

The successful bidder will have to supply, install, configure, operate, maintain and provide warranty & related support services and carry out the integration of the supplied hardware & software as per the technical and functional specification mentioned in the RFP document to successfully run the services envisaged.

The scope of complete work would broadly be: design, engineering, supply, testing, installation, integration, commissioning & maintenance of all project deliverables.

The broad objective of the work is to establish a latest IT infrastructure (including server, networking & software) for GSFC University which will help in planning, management and governance of entire functioning of the organization.

Stakeholders of GSFC University are Staff, Student and Management. Current staff of University is 180 + and may increase up 250 and current student strength is 1,000 and may increase up to 1,500 + in future. Bidder is requested to consider the same while proposing the solution.

Unit cost is required to be offered for all the items as requested with 5-year warranty. All equipment including material to be installed by the Bidder shall be new and the product should not be de-supported or declared end of life during the next 7 years. A certificate to that effect should be furnished from OEM. All equipment shall conform to the codes, standards and regulations applicable and benefit from the usual manufacturer's guarantees.

The Central IT Infrastructure will be installed at GSFC Data Center within the GSFC Campus. This Data Center will be connected to GSFC University Campus by using Fiber Cable with redundant path for the continuity of the services. Fiber connectivity will be done separately and is not in the scope of this RFP.

Necessary Rack space, Power and Cooling requirements to be provided at GSFC Data Center. However, the required accessories (including power cords, patch cords, sockets, converter etc.) to be supplied by successful bidder for the necessary configuration. Bidder will have to quote the cost considering the same. (GSFC will provide rack space, power and cooling; so all other required accessories to setup and installation of IT infrastructure mentioned in RFP to be considered. Bidder has to quote the price accordingly.)

Bidder will have to supply and install the necessary software including operating system as specified in specifications & Scope of Work and provide necessary support for 5 years. Necessary configuration for the virtualization i.e. Virtualization Software configuration to be carried out by successful bidder in co-ordination with GSFC University.

The successful bidder will also have to provide the necessary handholding support to application developers of GSFCU for installation of Web Portal / software application. (Bidder is expected to help related to hardware infrastructure of this RFP at the time of installation of application of GSFC University and will also help in migration of current servers from physical to virtual and from cloud server to virtual machine.)

Bidder should have a back-end support agreement/arrangement for services including supply of spare parts, expertise requirements etc. with the Original Equipment Manufacturers (OEM) which includes the post-sales support activities for the entire project period.

Costs must include cost of delivery at designated locations, transit handling etc. as may be applicable. Taxes shall be shown separately as in financial bid and should include all applicable taxes as on date of bidding and shall be paid as per actual. Taxes not quoted shall not be paid to the bidder. Variations in rates and structure, introduction of new levies shall be payable separately.

Provide On-site warranty support for five years from date of installation & commissioning i.e. Final Acceptance Test (FAT) for all the supplied items.

Bidder has to submit the detailed BOM (Bill of Material) along with the internal part nos. for all quoted products inclusive of all necessary licenses as per the specifications and scope of work.

Bidder has to submit the OEM compliance letter showing line by line compliance with tender specification.

Bidder has to submit the full compliance of the tender terms & condition and scope of work.

During the warranty period, vendor will have to provide the following services but shall not be limited to the following activities;

- Carry out the installation and virtualization considering IT best practices
- Configuration of Firewall in HA (Active-Passive)
- Creation and configuration of VMs in Hyper-Converged as per GSFC University requirements
- Provide technical support for Hyper-Converged Infrastructure as per GSFC University requirement
- Provide handholding support and training services.

Virtualization: Bidder has to supply and install the Virtualization software along with Hyper-Converged Infrastructure to be quoted as per the specifications defined in the bid document.

Training:

- Successful bidder will have to provide onsite one-time training to 3 engineers / IT persons nominated by GSFCU for the entire Solution for utilizing, maintaining and managing new IT infrastructure to be implemented under this project.
- Training shall also be provided for teaching the basic trouble shooting activities in case of problems.
- The training includes functionality and management of the Solution to be supply for the smooth functioning at GSFC University.
- Training should include
  a) Hyper-Converged Infrastructure management and troubleshooting
  b) Network management and troubleshooting
  c) L3/L2 switch configuration/management and troubleshooting
  d) Firewall configuration/management and troubleshooting
  e) Antivirus management and troubleshooting
  f) Backup management and retrieval
  g) Health monitoring of complete new IT infrastructure
  h) Troubleshooting of routine issue/problem of GSFC University

Bidders may visit the GSFC University with prior appointment and may undertake the survey before quoting for the bid.

Successful bidder will have to provide the implementation plan to GSFC University describing the work flow of the activities to be carried out as per the scope of work defined in the bid and take necessary approval of the concern authority for the same before implementation.

Note:

- The Bidders should note that the number of items mentioned in the bid can vary and is not an absolute number. The number of items can also increase/decrease subject to the requirements.
- GSFCU reserves the rights to increase or decrease the quantity of any item, at the time of placing purchase order (based on the final requirements) without increasing the quoted/accepted rates.
- GSFC University reserves the rights to reject any one or all tenders without assigning any reason thereof.
- Each of the items of this RFP must have to be quoted with 5 years of warranty.
- The rates should be valid for a period of 180 days from the date of financial bid opening.

Installation & Configuration Requirement

GSFC University desires to established a State of Art best in class future ready and feature rich IT infrastructure setup which includes Hyper-Converged, Network, Software and Data Center equipments for secured, scalable and robust ecosystem.

GSFC University is in need to implement a turnkey project which includes supply, installation, integration and smooth functioning of all the devices/products.

Successful bidder will have to integrate the proposed hardware in consultation with GSFC University/GSFC designated agency.

It is the responsibility of successful bidder and OEM to follow and configure IT devices with respect to best practices as per latest Industry standard.

Successful bidder must provide necessary support and have to do required configuration which GSFC University wants during this project.

Successful bidder will have to deploy the qualified professionals for the implementation and to provide the required services as defined under scope of work. However, GSFC University has right to select the deputed professional [technical engineer] by successful bidder.

The successful bidder will have to provide support for installation, activation and necessary configuration for the operating system & Database of new and existing servers. GSFC University will provide the licensed Operating System & Database.

All the ports & cable of university are in working condition. However, if required, bidder shall be responsible to test and check the cable performance. If required, the bidder shall have to replace the same as per the cable with laying charges provisioned in the financial bid.

LAN between Hyper-Converged and Core switch

- Successful bidder must have to establish 10 Gbps connectivity between Hyper-Converged Infrastructure and Core Switch using OFC SFP+/Cat 6A cable only from day 1.
- The core switch must be redundant L3 in established network. (It is requirement of Single Modular Chassis along with Redundancy in Power supply, in Management Module and I/O Module Cards etc.)

LAN Configuration/Set up

- Successful bidder has to implement the complete LAN cabling as per standard structured cabling rules and performance warranty by OEM.

- Successful bidder has to use existing laid/installed fiber optical cable to set up end to end network connectivity across the sites. (The building to building within the campus connectivity is using single mode fiber. Within building multiple floor will be connected through MM fiber. Fiber ready infrastructure will be provided by GSFC University.)

- The connectivity between Core Switch (L3 switch) to Access Switches (L2 Switched) should be connected at 10 Gbps using OFC SFP+/Cat 6A cable cable only.

- Successful bidder has to use CAT6 cable to create network from L2 distribution switches to end point as per requirements of GSFC University.

- All these network cabling must be covered in secure and robust duct casing (minimum use of PVC pipe), so that future repairing and maintenance could be achieved easily.

- All L2 switches should be stackable from Day 1.

- Successful bidder must have to number/tag /do marking of each CAT6 and OFC cable in/out at L3 and L2 switches for easy maintenance purpose and provide the final list to IT Department of GSFCU at the time of completion of project.

- Successful bidder must have to provide complete network drawing/architecture of end to end new network under this project.

- Successful bidder has to establish VLAN as per the requirement of GSFCU and do all latest required/needful configuration.

- All wall mount racks (12U) should be installed at proper places in consultation with GSFCU.

- Mounting of switch/patch panel/cable manager and all needful cabling accessories with proper tagging and rack dressing is required.

- Necessary Ferruling, rack dressing & tagging to be done in case of existing setup is also required.

- Successful bidder must have to do the Fiber Splicing in all Racks

- Successful bidder must have to do the Switch Installation & Configuration of existing devices.

Hyper-Converge Infrastructure

- Installation of Hyper-Converged System Infrastructure which includes mounting and fitting inside the rack, power on will have to be done by successful bidder.

- Successful bidder/OEM has to make functional to access Hyper-Converged System Infrastructure & its management console as per best practices.

- License copy of Operating System and Database will be provided by GSFCU. Successful bidder will have to co-ordinate and provide necessary support for the installation & configuration of VMs with OS/DB/Application as per requirements of GSFCU. However, appropriate Hyper Converged virtualization software must be supplied by successful bidder/OEM.

- Bidder will also have to provide support for the supplied equipments to application vendor for the hosting of GSFCU Web Portal/ERP in consultation with GSFCU.

- Necessary configuration of VMs, Storage, Networking, Backup etc. will be done in consultation with GSFCU.

- GSFCU wants approximately 7 to 10 or more Virtual Servers, if required to host application(s). Successful bidder has to create approximately 7 to 10 virtual servers in Hyper-Converged System Infrastructure as per the requirements of GSFC University at the time of implementation.

- VM should be capable of providing zero downtime for most critical application/database.

- All VMs must be monitored and managed centrally.

L3 Core Switch Configuration

- Successful bidder has to install L3 Core switch in GSFC Data Centre with mounting inside the rack and termination of all backbone cables.

- Successful bidder has to configure L3 core switch, create VLAN, provide needful security and management console.
- All necessary best practices should be followed at the time of network installation & configuration.

L2 Switch Configuration

- Successful bidder has to install L2 switch in Rack and stacking with L2 network.
- Successful bidder has to configure L2 access switch, VLAN access, provide needful security and integrate with core L3 switch.
- All necessary best practices should be followed at the time of network installation & configuration.
- If in case required, bidder has to remove existing L2 Network Switch/patch cables and replace and install the new supplied switch without any additional cost.

Backup Appliance Configuration

- Successful bidder has to install and configure Backup Appliance with necessary software.
- Backup mechanism should capable of taking up backup of virtual servers with whole configuration, database, user's data and OS.
- It is possible to take the backup in Windows & Linux operating system environment.
- Backup Appliance should be configured to capture/create the image of critical servers/node (all the virtual server) along with OS (Windows, Linux) and data with consultation of GSFCU. However, backed up data should be restored on immediate basis in case of crash or failure of critical server/node on similar hardware.
- Backup Appliance should support proposed HCI Solution.
- Backup Appliance should be capable of taking backup in following way:
  - Daily (1 or 2 times in day, backup should be incremental)
  - Weekly (Capable of storing backup of each week of whole month individually in compress mode)
  - Monthly (Capable of storing each 12 months' backup individually in compress mode)

Active Directory Configuration

- Domain/Workgroup creation
- Setup of Role/Group policy based Rights management
- Setup administration using group policy
- After AD implementation, users login and data storage will need to be centralized.
- Set 90/180 day password policy with last 3 passwords not allowed during creation/changing of new password.
- Create separate folder system for each user based on their Employee/Student Code for storage of data.
- Employee/Student code will be the user name of each user for login via AD.
- Do needful configurations for Hyper-Converged System Infrastructure.
- All latest and standard (as per current industry practice) required configuration/setup for AD.

Firewall Configuration

- Successful bidder/OEM will have to configure the firewall with the new IT infrastructure with all below requirement as well as with latest industry best practices to make the new IT infrastructure safe and secure from hacker, virus, intruder etc.
- URL screening and filtering
- Content filtering

- Spam filtering
- **High Availability cluster [Active/Passive] with failover**
- Gaming/Gambling sites, adult/porn sites, Share broking sites etc.
- Stop malicious and virus infected downloading.
- Stop access by unauthorized and unauthenticated users in GSFC network.
- Capable of Incorporation of VPN gateways.
- Control access via policies and apply different policies to different users.
- Telnet OS banner and other banners such as FTP banner, etc. have been eliminated.
- Root cannot telnet to the system.
- Use of the firewall's automatic notification/alerting features and archiving the detail intruder information to a database for future analysis.
- It should be automated seamless failover.

UPS Setup

- GSFC University wants one 5 KVA online UPS with 1-hour backup at School of Technology Building.
- Its successful bidder's responsibility to do needful electric fitting from nearest row power source to UPS using with standard electric cables.
- Necessary electrification from UPS to Rack (Dual PDU).
- Electrification work will have to be done with required earthling.
- Electrification work will have to be done with proper casing and capping.
- Successful bidder has to provide required rated MCB in the UPS/Server Room to protect the output to the Rack & PDU.
- UPS must be capable of providing minimum 1-hour battery backup time with full load which can keep running Rack equipments at the time of power cut.
- Successful bidder will have to supply UPS solution with necessary number of batteries as specified in the UPS technical specification.
- Successful bidder must have to provide appropriate racks and links to integrate UPS with external batteries.

Antivirus Configuration

- Successful bidder will have to supply and provide required support for installation/configuration of Antivirus software at each endpoint client machines as per GSFCU requirements.
- Central management console for to manage and client requirement like:
  - Daily scanning of each client (Windows 7 onwards) and each server machine (Windows Server 2008 onwards).
  - Daily updates, signatures and patches should be push from AV Server to the end client & servers.
  - AV software should be support managed and unmanaged client as per defined policy.
- The solution should be Next Generation Antivirus and should have centralized Antivirus, Anti-Malware, Web scanner system mechanism with AV and DLP on end points.
- The solution should have continuous behavior/signature less monitoring of client.
- It should also provide Advance Threat Protection and Sand-Box independently on each client.
- In case of infection, the solution should rollback previous stage of system.
- The solution should support windows 7 and updated versions of Windows desktop and server family and Mac OS.

Post Implementation Service

- The service engineers shall have to check and service all the supplied & installed items periodically; say quarterly and as and when required, and repair/replace any component which is found defective, free of cost as part of preventive maintenance during warranty period.

Installation Reports

- Successful bidder has to submit detailed installation report of each hardware item in prescribed format to GSFC University.
- Installation report should be submitted in hard copy as well as soft copy.
- Detailed configuration data should be provided by the successful bidder to IT Team of GSFC University along with the credentials like username, password, IP address, MAC Address and whatever required by them.

Testing and Go Live

- Upon completion of all above activities, Successful Bidder will have to submit detailed plan for live implementation of the system.
- Successful bidder has to finalize the Go Live plan in coordination with IT Team and other officials of GSFC University.
- Successful Bidder has to ensure that the new IT infrastructure is completely operational as per the requirements mentioned in this RFP and as per the satisfaction of GSFC University.
- Before Go Live, new IT infrastructure must have to pass the FAT which will be carried out by GSFC University or their designated agency.
- OEM Warranty Certificates to be provided.

Manpower for Hand Holding Support

- Successful bidder will have to depute one technical manpower to provide hand holding support for the contract period of 5 years. Contract period will start from the date of successful FAT completion.
- The deputed manpower will be the part of installation phase and should have to remain present during normal office hours of GSFC University (as per GSFCU academic calendar) during working days and co-ordinate with GSFC University IT Team for their daily IT related activities.
- If require, the manpower will have to remain present on holiday(s) based on the requirements of GSFC University.
- The manpower will have to carry the preventive maintenance activities proactively on regular basis in coordination with GSFC University IT Team.
- The deputed manpower (resident engineer) will have to provide support for entire solution proposed in this RFP during the contract period.
- The deputed manpower should have to cooperate and support for required troubleshooting with existing IT infrastructure of GSFC University.

Service Terms:

1. The entire scope of the work depends on the technical skill and experience in management of the same level or kind of infrastructure.
2. It is mandatory for successful bidder to deploy the qualified professional to install, commission & maintain the equipments, as defined under scope of work.
3. The bidder need to manage & maintain various records related to the services extended to the user.
4. If the network is being operated & maintained by various agencies, then in such circumstances the bidder may need to coordinate and approach various agencies, if required.

5. The bidder will be responsible to maintain documentation on the progress of the work and will have to update the same on regular basis. Bidder will have to submit the progress reports regularly, to the purchasing department.

6. The understanding of the comprehensive maintenance under warranty period is as follows.

   a) In case of failure, the successful bidder needs to repair or replace the faulty part/component/device to restore the services at the earliest.

   b) The cost of the repairing or replacement of faulty part/component/device has to be entirely born by the Vendor.

   c) All expenses related to part/component/device, including hiring of specialized technical expertise, in case required, has to be borne by the Vendor as part of comprehensive maintenance.

   d) The Vendor also needs to make alternate arrangement in case of major failure happens in the network, due to which services may be effecting for longer period.

   e) After repairing or replacement of the part/component/device, the Vendor needs to put the same into operation.

Project Implementation:

1. The selected agency will have to be completed the work which includes Supply, Installation, Testing and Commissioning of hardware and required equipments including LAN & cabling work within prescribed time limit from date of Purchase Order/ Work Order issued.

2. The Selected agency will implement the project strictly as per the scope of work with industries best practices and it should be approved by GSFCU. The bidder/OEM shall carry out cabling work at such locations as may be decided by the GSFCU within a specified period as specified in Instruction letter/LOI/Order and complete their provisional Acceptance Test to the satisfaction of GSFCU.

3. Installation, Commissioning and Acceptance of work will be undertaken by GSFCU. All Invoices, Vouchers, Bills for supplied goods and services by the Supplier under the scope of the work will be verified measured and accepted by GSFCU for release of payment.

4. As part of implementation the successful bidder shall provide details of equipment that will be incorporated in the proposed system and material as required. The location for storing spare parts and quantity there on should also be clearly indicated.

5. The successful bidder shall provide the necessary technical support, Standard Operating Procedure (SOP) and other information to the purchasing department and its user organizations in implementing the proposed system applications. GSFCU at any time during the currency of the Agreement should have access to the proposed sites.

6. The successful bidder shall provide training to GSFCU personnel at no extra cost. The training schedule, content and modalities will be defined jointly by both the parties.

7. The successful bidder may have to work during Holidays and Sundays, according to the urgency of work. It will be the responsibility of the successful bidder to co-ordinate with GSFCU required to execute the job.

8. In case of the material/solution supplied and installed is rejected owing to its non-conformity to the specification or due to the poor quality of workmanship, the same shall be replaced promptly.

9. Successful bidder shall treat all matters connected with the contract strictly confidential and shall undertake not to disclose, in any way, information, documents, technical data, experience and know how, without prior written permission from GSFCU.

10. Any damage caused to the property of GSFCU while executing the job shall be solely bidder's responsibility. In case any damage to the property is caused, the same will be recovered from the successful bidder. No any extra cost shall be paid to the successful bidder for such reasons.

11. The successful bidder will have to furnish the documentation of the work undertaken in consultation with GSFCU.

12. It is a turnkey project. The successful bidder shall be fully responsible for implementing the Project in totality and should include the items and their prices, if not included in Schedule of Requirement to complete the project on turnkey basis. Any claim whatsoever in this regard will not be entertained later on.

13. In the event of the delay in delivery of contracted services or services is not satisfactory, GSFCU may procure goods from else ware as prescribed in bid and Vendor shall be liable without limitations for the difference between the cost of such substitution and the price set forth in the contract for the goods involved i.e. at the risk and cost of the successful bidder.

14. GSFCU reserve the right to visit any working site of the successful bidder with prior intimation. Successful bidder has to make necessary arrangement for the same.

15. All work shall be performed and executed by the successful bidder in strict conformity with the GSFCU and any relative instruction issued to the Supplier by GSFCU time to time.

16. GSFCU shall associate few engineers / technicians during installation and commissioning work. Bidder shall ensure proper participation of the nominated personnel from GSFCU and train them on the system related. Also bidder shall organize the systematic training of selected personnel from the GSFCU on the operation / management of equipments.

SECTION III

General Terms & Conditions:

1. The last date of submission of bid on the website **https://gil.nprocure.com** is **13.01.2020 up to 1500 Hrs.** No physical bids will be accepted under normal circumstances. However, GIL reserves the right to ask the bidders to submit the bid and/or any other documents in physical form.

2. The bid is non-transferable.

3. **The Bidder may quote only one option (i.e. only one product can be quoted) against each item.** Bidders are required to mention make & model of the product. (Do not write "OEM" against items as bidders are expected to give make & model of the product).

4. The successful bidder will have to (1) supply, install and maintain the hardware and system software at site (2) Provide onsite manpower support for Operation and Management services for 5 years from the date of installation & commissioning i.e. completion of FAT as mentioned in the scope of work and support for hardware.

5. If in any case the quoted Item is not available in the market, the bidder will have to supply Higher Version/replacement of that Item in the quoted cost in the same time duration with prior approval of Purchaser. No "End of Life / End of Support" product should be quoted to minimize such instances. (Make & Model quoted by the bidder should be available till the bid validity, duly supported for spares/OEM support for warranty period).

6. The Bidder shall bear all the costs associated with the preparation and submission of its bid, and GIL in no case will be responsible or liable for these costs, regardless of conduct or outcome of bidding process. The Bid document is available free of cost to all the bidders. The soft copy may be downloaded from the **https://gil.nprocure.com** & **www.gil.gujarat.gov.in**.

7. Technical specifications indicated are minimum specification. Bidder may quote for better solution. The bidder should provide following with the technical bid:

   - Make & Model
   - Name of Manufacturer
   - Technical Literature
   - Manufacturer's Data Sheet.
   - Compliance statement from the OEM of the product (with duly signed and stamped)

8. The bidder has to upload the compliance letter on its letter head duly signed by the authorized signature & other supporting documents as asked for in the bid in scanned format. Failing to submit the same or non-compliance/deviation from any bid terms and conditions, eligibility criteria or technical specifications may result in rejection of the bid.

9. The Bidder has to examine all instructions, forms, terms, conditions and specifications in the bidding documents. Failure to furnish all information required by the bidding documents or submission of a bid not substantially responsive to the biding documents in every respect will be at the Bidder's risk and may result in rejection of its bid.

10. Pre-bid Meeting:

    10.1. The Pre-bid meeting will be held at GIL on 13.11.2019, 1500 Hours.

    10.2. The interested vendors submitted their queries in writing at least 2 days before the date of pre-bid meeting date.

    10.3.The answers of the pre-bid queries will be published on the website **https://gil.nprocure.com** & **www.gil.gujarat.gov.in**.

    10.4. No queries will be allowed after the pre-bid meeting.

11. Amendment of Bidding Documents (Corrigendum)

11.1. At any time prior to the deadline for submission of bids, GSFC University may, for any reason, whether its own initiative or in response to the clarification request by a prospective bidder, modify the bidding documents.

11.2. The corrigendum will be published on website **https://gil.nprocure.com** & **www.gil.gujarat.gov.in.**

11.3. In order to allow prospective bidders reasonable time to take into consideration the amendments while preparing their bids GSFC, at its discretion, may extend the deadline for the submission of bids.

12. **Bid Currency -** Prices shall be quoted in Indian Rupees only. Payment for the supply of equipments as specified in the agreement shall be made in Indian Rupees only.

13. The bidder will have to submit **Bid Processing Fees (Nonrefundable) of Rs. 17,700/- & Earnest Money Deposit (E.M.D.) of Rs. 3,00,000/- (Rupees Three Lacs Only) (Refundable)** on or before date & hours of submission of bid in a sealed cover at GIL with the heading **"Bid processing Fees & EMD for Tender no. HWT061119592 for the Selection of Agency for Supply, Installation, Commissioning, Warranty Support and Operation & Management of Central IT Infrastructure for GSFC University, Vadodara."**

- **Bid processing fees** must be in the form of **Demand Draft** in the name of **"Gujarat Informatics Ltd"** payable at Vadodara along with the covering letter.

- **EMD** as mentioned above, shall be submitted in the form of Demand Draft **OR** in the form of an unconditional Bank Guarantee **(which should be valid for 9 months from the last date of bid submission)** of any Nationalized Bank including the public sector bank or Private Sector Banks or Commercial Banks or Co-Operative Banks and Rural Banks (operating in India having branch at Ahmedabad/ Gandhinagar) as per the G.R. no. EMD/10/2018/18/DMO dated 16.04.2018 (http://www.gil.gujarat.gov.in/grs/DMO_2173_16_Apr_2018_714.pdf) issued by Finance Department or further instruction issued by Finance department time to time; in the name of "Gujarat Informatics Ltd." payable at Gandhinagar (as per prescribed format given at Annexure A) and must be submitted along with the covering letter.

  Please affix the stamp of your company on the overleaf of demand draft.

  Note: Failing to submit physical covers of EMD and Bid Processing Fees on or before the last date & time of submission as given in this bid, may lead to the rejection of the bid.

14. In case of non-receipt of Bid processing fees & EMD as mentioned above in your bid will be rejected as non-responsive.

15. Unsuccessful bidder's E.M.D. will be returned as promptly as possible after the expiration of the period of bid validity OR upon the successful Bidder signing the Contract, and furnishing the Performance Bank Guarantee as prescribed by GSFC University, whichever is earlier.

16. In exceptional circumstances, GIL may solicit the Bidder's consent to an extension of the period of validity. The request and the responses thereto shall be made in writing. Bidder may refuse the request without forfeiting its E.M.D. A Bidder granting the request will not be permitted to modify its bid.

17. The Successful bidder has to submit Performance Bank Guarantee @ 10 % of total order value within 15 days from the date of issue of Purchase order **for the duration of contract period + extra 3 months** from any Nationalized Bank including the public sector bank or Private Sector Banks or Commercial Banks or Co-Operative Banks and Rural Banks (operating in India having branch at Ahmedabad/ Gandhinagar) as per the G.R. no. EMD/10/2018/18/DMO dated 16.04.2018 (http://www.gil.gujarat.gov.in/grs/DMO_2173_16_Apr_2018_714.pdf) issued by Finance Department or further instruction issued by Finance department time to time. The draft of Performance Bank Guarantee is attached herewith.

18. Successful Bidder will have to sign the contract upon receiving the confirmed purchase order with the purchaser(s) within 15 working days from the date of confirmed purchase order. (The draft is attached herewith).

19. The successful Bidder's E.M.D. will be returned upon the Bidder signing the Contract, and furnishing the Performance Bank Guarantee as per bid terms and offer of inspection of the ordered material.

20. The E.M.D. may be forfeited at the discretion of GIL, on account of one or more of the following reasons:

    (a) If a Bidder withdraws its bid during the period of bid validity.

    (b) If Bidder does not respond to requests for clarification of their Bid

    (c) If Bidder fails to co-operate in the Bid evaluation process, and

    (d) In case of a successful Bidder, if the Bidder fails:

        (i) To sign the Contract as mentioned above or

        (ii) To furnish performance bank guarantee as mentioned above or

        (iii) If the bidder is found to be involved in fraudulent practices.

21. Termination for Default:

21.1. The Purchaser may, without prejudice to any other remedy for breach of contract, by written notice of default sent to the Bidder. Bidder will be given notice/cure period of 30 days, after that purchaser will terminate the Contract in whole or part after:

    a) If the bidder fails to deliver any or all of the Goods as per the delivery schedule mentioned in the bid, or within any extension thereof granted by the Purchaser or

    b) If the Bidder fails to perform any other obligation(s) under the Contract/Purchase order.

    c) If the Bidder, in the judgment of the Purchaser has engaged in corrupt or fraudulent practices in competing for or in executing the Contract.

For the purpose of this clause:

"Corrupt practice" means the offering, giving, receiving or soliciting of anything of value of influence the action of a public official in the procurement process or in contract execution.

"Fraudulent practice: a misrepresentation of facts in order to influence a procurement process or the execution of a contract to the detriment of the purchaser, and includes collusive practice among Bidders (prior to or after bid submission) designed to establish bid prices at artificial non-competitive levels and to deprive the purchaser of the benefits of free and open competition;"

21.2. In the event the Purchaser terminates the Contract in whole or in part, pursuant to Clause 20.1 above, the Purchaser may procure, upon such terms and in such manner, as it deems appropriate, Goods or Services similar to those undelivered, and the Bidder shall be liable to the Purchaser for any excess costs for such similar Goods or Services. However, the Bidder shall continue the performance of the contract to the extent not terminated.

22. If the successful bidder fails to submit the Performance Bank Guarantee & sign the Contract Form within prescribed time limit, the EMD of the successful bidder will be forfeited. GSFCU also reserves the right to blacklist such bidder from participating in future tenders if sufficient cause exists.

23. Price shall be inclusive of all packing, freight, forwarding, transit insurance, installation, warranty and maintenance charges. GST needs to be shown separately as per financial bid format.

24. Prices shall be in Indian Rupees. The prices shall strictly be submitted in the given format. Quoted prices shall be inclusive of all taxes except GST. The tax components like GST as applicable shall be mentioned separately in the respective columns.

25. Late Bids: The bidder will not be able to submit the bid after final submission date and time.

26. Modification and Withdrawal of Bids

26.1. The Bidder may modify or withdraw its bid before the due date of bid submission.

26.2. No bid will be allowed to be modified subsequent to the final submission of bids.

26.3. No bid will be allowed to be withdrawn in the interval between the deadline for submission of bids and the expiry of the bid validity. Withdrawal of a bid during this interval will result in the forfeiture of bidder's E.M.D.

27. Bids will be opened with the buyer's private digital key in the presence of Bidder's representatives, who choose to attend. The Bidder's representatives who are present shall sign a register/attendance sheet evidencing their attendance. The representative will be held responsible for all commitments made on behalf of the bidder and that will be considered valid for all further dealings related to this bid process. In the absence of the bidder(s), the Tender Committee may choose to open the bids as per the prescribed schedule.

28. The Bidder's names, Bid modifications or withdrawals, discounts and the presence or absence of relevant E.M.D. and such other details as GIL at their discretion, may consider appropriate, will be announced at the opening.

29. **Evaluation of the Bids:** After the closing time of submission, GIL will verify the submission of Bid Processing Fees & EMD as per bid terms and conditions. The pre-qualification criteria evaluation will be carried out of the responsive bids. The Eligibility & technical bids of the bidders who are complying with the pre-qualification criteria will be opened and evaluated next. Technical evaluation will be carried out of the eligible bid with respect to technical evaluation of quoted product. GIL will seek clarifications if required on eligibility & technical section. GIL will declare technically qualified bidders based on technical evaluation of product who matches with bid specification. The financial bid of the technically qualified bidders will be opened and financially L1 bidder will be decided from the sum total of prices for all line items without tax with 5 year warranty and then called for further negotiations if required.

30. The bidder will have to offer the inspection in the manner as decided by GIL before delivering to the respective site or at customer sites. The cost of the same has to be borne by the supplier. Any deviation found in the specification of the produced goods from the bid specification will lead to the cancellation of the order, forfeiture of EMD/PBG and prohibition in the participation in the future purchase of GSFCU. GIL will not be responsible for any time delay which may arise due to any deviation from the bid technical specification found at the time of inspection and the bidder has to deliver and install the ordered goods within prescribed time limit. At the time of inspection, bidder is required to produce OEM's confirmation on OEM's letter head for back to back warranty support as per tender terms & conditions.

31. The Indenter's right to inspect, test and, where necessary, reject the Goods after the Goods arrival at Customer Site shall in no way be limited or waived by reason of the Goods having previously been inspected, tested and passed by the Purchaser or its representative prior to the Goods shipment.

32. **Project Implementation Timelines**:

Sr. No.	Milestone	Target	Penalty for Delay
1	Kick-off meeting	2 week from issuance of LoI/Work Order	Rs. 5,000/week or part thereof. In case of delay Beyond 4 weeks, GSFC University may terminate the contract and Forfeit the PBG.
2	Delivery of Components (Hardware, Software, License, etc.)	T1 = T + 8 weeks	A penalty of 0.5% of total value for Delay/non-delivery components per week or part thereof. In case of delay beyond T + 12 weeks GSFC University may terminate the contract and Forfeit the PBG
3	Installation and Commissioning	T2 = T1 + 4 weeks	A penalty of 0.5% of contract value for Delay per week or part thereof. In case of delay beyond T1 + 8 weeks GSFC University may terminate the contract and Forfeit the PBG
4	Final Acceptance Test (FAT) & Manpower Deployment	T3 = T2 + 2 weeks	A penalty of 0.5% of contract value for delay per week or part thereof. In case of delay beyond T2 + 4 Weeks may lead to termination.
5	Training	T4 = T3 + 1 weeks	A penalty of 0.5% of contract value for delay per week or part thereof.

Where T is date of issue of LoI / Work Order.

33. In case of successful bidder is found in breach of any condition(s) of bid or supply order/work order, at any stage during the course of supply / installation or warranty period, the legal action as per rules/laws, shall be initiated against the successful bidder and EMD/PBG shall be forfeited, besides debarring and blacklisting the bidder concerned for the time period as decided by GSFCU, for further dealings with GSFC University.

34. Bid validity will be of **180 days after the date of financial bid opening**. A bid valid for shorter period shall be rejected as non-responsive. **If required, GIL may extend the bid validity for further period from the date of expiry of bid validity in consultation with the successful bidder.**

35. Bidders are required to quote all items including optional add-ons as well. Incomplete bids will be treated as non-responsive and will be rejected.

36. The successful Bidder will be required to co-ordinate with software vendor and/or do liasioning with other service provider to achieve the end-to-end connectivity. This also includes OS configuration with respect to LAN/WAN technologies implementation.

37. **Duration of the Contract:** The duration of the Contract period for this will be of 5 years. The duration spent for installation & commissioning of Hardware and Software will not be a part of contract period. Hence the actual contract period starts after the successful installation & commissioning of hardware and software & completion of deployment as per the bid scope i.e. 5 year contract will start from the date of completion of FAT.

38. **Warranty**

38.1. **Warranty:** The Successful Bidder shall provide a Comprehensive onsite warranty for a period 5 years which will starts from successful completion of Final Acceptance Test.

38.2. All Components offered in the Bill of Material should be covered under OEM support to get backend support/benefits from Principles/OEM in terms of Free Software Update Support, 4 hours response time, Hardware Warranty Support and defective Part replacement during warranty period of 5 years. The Hardware shall have minimum 5 Years warranty period.

38.3. GSFC University shall promptly notify Successful bidder in writing or email of any claims arising under this warranty. Upon receipt of such notice, the Successful Bidder shall, within the warranty period and with all reasonable speed, repair or replace the defective Systems, software without any extra costs.

38.4. If any equipment becomes faulty for 3 times in one month during the warranty period, the bidder shall replace the same with new equipments of same or higher capability without any additional cost to the purchaser.

38.5. During the Warranty period, the Successful bidder will provide all updates, patches/ fixes, version upgrades and new versions if any within 15 days of their availability and should carry out installation and operationalization of the same at no additional cost to BMC.

38.6. If any manufacturing or other technical defects are found within the warranty period, the same will have to be replaced or rectified free of cost by the bidder.

38.7. The Successful bidder must pass-on the standard OEMs' warranty which comes bundled with the purchased equipment wherever it is superior to the warranty specified in this tender document.

38.8. The Successful bidder has to provide documentary evidence for back-to-back support agreement with the respective OEM along with the OEM.

38.9. Maintenance service: Free maintenance services shall be provided by the Bidder during the period of warranty of 5 year.

38.10. It would be sole responsibility of the Successful Bidder to operate, maintain and support the New IT Infrastructure and Data Centre equipments (with 5 year of Warranty) for entire period of 5 years by means of their manpower / resident engineer.

38.11. The maximum response time for the infrastructure shall be as defined in the IT Infrastructure Service Level depending upon the severity level.

38.12. In case, bidder is not providing satisfactory support & doing unwarranted delay in providing warranty support, GSFCU offices reserves right to repair the equipment at risk & cost of the bidder.

39. **Penalty Clause**

Penalty calculations shall be calculated on accumulated non-compliance for all of the SLAs mentioned under the Project Timeline & Service Levels.

40. **Service Levels & Penalties:**

Sr. No.	Measurement	Target	Definition	Penalty
1	Incident Resolution for Central IT Infrastructure at GSFC Data Center	**Priority Level 1** Incident - Within 4 hr. **Priority Level 2** Incident - Within 8 hr. **Priority Level 3** Incident - Within 24 hr.	**Priority Level 1:** Complete Setup failure or not in working condition. **Priority Level 2:** Setup is not functioning properly due to failure of any hardware/software/part(s)/ component(s). **Priority Level 3:** Any other issues except Priority 1 & 2 above.	• Level 1 Incident: Rs. 10,000 for every 4-hr. delay in resolution; • Level 2 Incident: Rs. 5,000 for every 8-hr. delay in resolution; • Level 3 Incident: Rs. 5,000 for every 24-hr. delay in resolution;
2	Incident Resolution for IT Infrastructure (including Server, Networking and other equipments) at GSFC University Campus	Incident - Within 24 hr.	Equipment is not functioning properly due to failure of hardware/software/part(s)/ component(s).	• Rs. 1,000 for every 24-hr. delay in resolution (for active components like Server, Switches & UPS); • Rs. 500 for every 24-hr. delay in resolution (for passive networking component & other peripherals);
3	Availability of Deployed Manpower	100% Attendance	Attendance Register maintained by GSFC University IT Team, has to be signed daily by the deployed Manpower	• Rs. 1000/- per absent day per resource

Note: The maximum penalty cap is capped at 10% of total order value and will be deducted from the O&M payment or PBG.

41. **Payment:** Payment for Goods and Services shall be made by Purchasing Department in Indian Rupees as follows:

For IT Infrastructure including Hardware, Software, Network & Other items:

a) No advance payment will be made.

b) 70 % payment will be made after Delivery of all hardware and related peripherals at site. The inspection will be done by GSFC University or their designated authority.

c) 20 % payment will be made after successful Installation Testing, Integration and Completion of Work & Final Acceptance Test.

d) Remaining 10 % payment will be made after 3 months from successful completion of Final Acceptance Test and training to personnel of GSFC University.

Successful bidder has to submit following documents to process of payment: Invoice copy in duplicate, Delivery Challan, Installation/Service Report, Proof of Warranty, any other supporting document (if required).

For Operation & Management (Manpower) Services:

a) The System Integrator will be paid in 20 equated quarterly installments after completion of each quarter for manage, maintain and provide support services and Operation and Management Services as mentioned in the bid. Operation & Management will start after date of successful completion of installation and commissioning & Acceptance Test / Completion Certificate issued by GSFC University.

The quarterly payment will be released after verification of the SLA and adjustment for penalties, if any.

42. GIL/GSFC University reserves the right to change any bid condition of any item even after inviting the bids, with/without prior notification.

43. GIL/GSFCU's Right to accept any Bid and to reject any or all Bids – GIL/GSFC University reserves the right to accept or reject any bid, and to annul the bidding process and reject all bids at any time prior to awarding the Contracts, without thereby incurring any liability to the affected Bidder or bidders or any obligation to inform the affected Bidder or bidders of the grounds for such decision.

44. The bid quantities are estimated based on the current requirement of GSFC University. The quantities may decrease or increase at the time of finalization, depending upon the change in the requirement, which shall be binding to the bidder.

45. GIL/GSFC University shall not be bound by any printed conditions or provisions in the Bidder's Bid submission.

46. **Limitation of Vendor's Liability:** Vendor's cumulative liability for its obligations under the contract shall not exceed the contract value and the vendor shall not be liable for incidental, consequential, or indirect damages including loss of profit or saving.

47. All correction/addition/deletion shall require authorized countersign.

48. Force Majeure Shall mean and be limited to the following:

a) Fire, explosion, cyclone, earthquake, flood, tempest, lightening or other natural physical disaster;

b) War / hostilities, revolution, acts of public enemies, blockage or embargo;

c) Any law, order, Riot or Civil commotion, proclamation, ordinance, demand or requirements of any Government or authority or representative of any such Government including restrictive trade practices or regulations;

d) Strikes, shutdowns or labor disputes which are not instigated for the purpose of avoiding obligations herein, or;

e) Restrictions imposed by the Government or other statutory bodies which prevents or delays the execution of the order;

f) Any other circumstances beyond the control of the party affected;

The BIDDER shall intimate Purchaser by a registered letter duly certified by the local statutory authorities, the beginning and end of the above causes of delay within seven (7) days of the occurrence and cessation of such Force Majeure Conditions. In the event of delay lasting over two months, if arising out of causes of Force Majeure, Purchaser reserves the right to cancel the order.

Delivery & Installation period may be extended due to circumstances relating to Force Majeure by the Purchaser. Bidder shall not claim any further extension for delivery & installation or completion of work. Purchase / GoG shall not be liable to pay extra costs under any circumstances.

The BIDDER shall categorically specify the extent of Force Majeure conditions prevalent in their works at the time of submitting their bid and whether the same have been taken in to consideration or not in their quotations. In the event of any Force Majeure cause, the BIDDER shall not be liable for delays in performing their obligations under this order and the delivery dates can be extended to the BIDDER without being subject to price reduction for delayed deliverables, as stated elsewhere.

It will be prerogative of Purchaser / GoG to take the decision on force major conditions and Purchaser decision will be binding to the bidder.

49. **Project Management Review**

The progress of project would be reviewed at regular intervals by the Bidder. Implementing Agency should send weekly progress reports & Monthly Status reports to GSFC University. Implementing agency has to obtain necessary concurrence from GSFC University if there are any slippages in the deliverables to be delivered by Bidder.

50. The Clarifications if any should be submitted in writing to GSFC University at least 2 days of pre-bid meeting date. Thereafter the clarifications received from the bidders will not be entertained

Your bid should be submitted on website **https://gil.nprocure.com** on or before **15:00 Hours, 13.01.2020.**

Proposals after due time period will not be accepted.

The Technical Bids will be opened on **13.01.2020 at 1700 Hours at GIL, Block No. 2, 2nd Floor, Karmayogi Bhavan, Sector-10A, Gandhinagar** in the presence of the committee members and representatives of the bidders, who have submitted valid bids. Only one representative from each bidder will be allowed to attend the tender opening. The representative will be held responsible for all commitments made on behalf of the bidder and that will be considered valid for all further dealings related to this tender process.

Please address all queries and correspondence to

Vivek Upadhyay, DGM (Tech.),
Gujarat Informatics Limited,
Block No. 2, 2nd Floor, Karmayogi Bhavan,
Sector-10A, Gandhinagar 382 010
Phone No. 079-232 59239, 59227
E-mail: viveku@gujarat.gov.in

SECTION IV

Bill of Material

Sr. No.	Item Description	Qty / Unit
1.	**Central IT Infrastructure at GSFC Data Center**	
1.1	Hyper-Converged System Infrastructure	1 Set
1.2	Firewall	2 Nos
1.3	Core L3 Switch	1 Nos
1.4	24 Port L2 Switch	1 Nos
1.5	42 U Server cum Network Rack with necessary Cabling work using Cat 6A	1 Nos
1.6	Backup Appliance	1 Nos
1.7	24 Port Cat 6A UTP Shuttered Patch Panel - Loaded with Cable Manager	1 Nos
1.8	Cat 6A UTP Factory Crimped Patch Cord - 3 feet/1 Mtr	12* Nos
1.9	Fiber Patch Cord Multimode OM 4 (LC-LC) - 3 feet/1 Mtr	2* Nos
1.10	Fiber Patch Cord Single mode (LC-LC) - 3 feet/1 Mtr	8* Nos
1.11	10G SFP+ Single Mode Fiber Transceiver for Core L3 Switch	8* Nos
1.12	10G SFP+ Multi Mode Fiber Transceiver for Core L3 Switch	2* Nos
1.13	10G SFP+ Multi Mode Fiber Transceiver for Core L2 Switch	2* Nos
2.	**Server & Networking Requirements at GSFC University Campus**	
2.1	Rack base Server	2 Nos
2.2	24 Port L2 Switch with staking Module/DAC Cable	20* Nos
2.3	42 U Server cum Network Rack with necessary Cabling work	1 Nos
2.4	12U Wall Mount Rack	6* Nos
2.5	Cat 6 UTP Shuttered Patch Panel 24 Port-Loaded with Cable Manager	20* Nos
2.6	Cat-6 UTP Factory Crimped Patch Cords - 3 feet/1mtr	250* Nos
2.7	Cat 6 UTP Surface Single Shutter outlet with I/O Module and back box	50* Nos
2.8	Cat 6 UTP Cable with laying with required PVC Pipe & Labor Charges (in meter)	500* Mtr
2.9	Fiber Patch Cord Single mode (LC-LC) - 3 feet/1 Mtr	8* Nos
2.10	10G SFP+ Single Mode Fiber Transceiver for Core L2 Switch	8* Nos
2.11	10G SFP+ Multi Mode Fiber Transceiver for Core L2 Switch	8* Nos
3.	**Other Equipment's**	
3.1	Desktop for Monitoring & Management	5 Nos
3.2	5 KVA UPS with 1 Hour battery backup	1 Nos
3.3	End Point Antivirus Security Solution for 5 yeas	225 Nos
3.4	NAS Box	1 Nos
4.	**Support and Maintenance (O&M)**	
5.1	O&M Services for 5 Year (One Resident Engineer for General Shift)	1 Nos

Note:

1. SI may add additional material/hardware/software/services as may be required to be supplied to meet the solution requirement and bid objectives. (Bidder has to consider the components defined in RFP along with its required accessories, services and its installation and quote the consolidated price accordingly).

2. * The above mentioned figures are estimated and for evaluation purpose only. However, at the time of implementation, the actual quantity would be ordered based on the actual requirement after final survey before placing the order.

SECTION V

Minimum Technical Specification

Sr. No.	Item Description	Matched/ Not Matched	Remarks (If any)
Item no. 1.1:	**Hyper-Converged System Infrastructure**		
	The bidder should provide HCI solution that allows delivery of enterprise-class storage services using latest x86 server infrastructures without dependency on a separate Storage System & associated components such as SAN Switches & HBAs.		
	Hyper converged system should be configurable, scalable and highly available. It should be a simple solution stack that tightly integrates compute, storage, networking, virtualization resources and management into a single appliance. Hyper-converged system should be scale-out cluster with performance and capacity.		
	The HCI solution should support hybrid **or** all-Flash nodes/cluster options.		
	The proposed HCI solution should be Software defined with required Software or Hardware engine for Raid, Compression and De-duplication		
	Bidder shall provide 15TB storage capacity considering either FTT=1 or RF=2 or equivalent method. Any HCI solution overheads required to achieve 15TB usable storage capacity needs to be factored extra by the bidder. Compression, de-duplication & data optimization shall not be considered for calculating the usable storage capacity of 15TB. The proposed solution must be configured with Compression and de-duplication from day 1.		
1	The proposed HCI solution should be a factory shipped engineered & integrated system by the OEM. All the components of HCI should be factory installed and shipped ready for fast deployment. HCI Solution should be from single OEM and not third party licensed / Non-Licensed.		
	The HCI solution should be proposed with N+1 design. The minimum CPU Cores, Memory and storage that should be available in the event of any one node failure is 32 Cores, 320 GB & 15TB storage. The resource requirement shared above should be excluding any overheads required to run HCI solution. Bidder is responsible to add appropriate overheads (Memory, cores and storage) for meeting RFP requirement. (Bidder will have to consider minimum 3 nodes for HCI)		
	Ability to support with latest technology upgrades in terms of processor and memory within the same cluster.		
	The proposed HCI solution should support scalability minimum 6 nodes in a single cluster.		
	The Hyperconverged solution should be proposed with minimum 2 processors of 2.2 Ghz or higher clock speed in each node.		
	Appliance should be supplied with minimum 4X 10G BASE-T/SFP+ ports per node.		
	The solution should support non-disruptive rolling upgrades of HCI software and system firmwares.		
	Single dashboard to manage and provision virtual machines, network, storage, monitor performance and manage events & alerts.		

The HCI solution should be a seamless scale-out Architecture with zero downtime.		
The solution should automatically rebalance data to maintain balanced utilization of storage across the HCI nodes. When storage capacity is scaled up or scaled out, the HCI modes must automatically redistribute data equally across all nodes without migrating VMs.		
Virtualization software shall be able to dynamically allocate and balance computing capacity across collections of hardware resources aggregated into one unified resource pool with option control over movement of virtual machines like restricting VMs to run on selected physical hosts.		
The solution should have inbuilt **Distributed Switch** to centralize network vlan provisioning across the cluster. **(Optional)**		
If any additional hardware / software (Licenses, OS etc.) is required to run this solution over and above given RFP specs, bidder needs to include the same as part of the RFP submission.		
Resiliency & DR: The solution should deliver zero data loss in case of disk, host or network failure. The HCI platform should have ability to replicate to DR site.		
SI bidders should provide a purpose built hypervisor with minimal footprint that installs directly on the bare metal x86 server hardware with no dependency on general purpose OS for greater reliability and security.		
Proposed hypervisor should support standard features similar to vmotion, **distributed switches (Optional),** HA, **DRS (Optional)** and replication.		
After 1 node failure, immediately there must be one copy of data available in the cluster. Also, the HCI solution must be able to rebuild second copy of data (to maintain FTT =1 / RF =2) after 1 node failure. Proposed HCI solution must comply to above clause.		
Offered Solution should be cover 5 Years 24*7 comprehensive warranty includes hardware appliance and HCI software.		

Sr. No.	Item Minimum Specifications	Matched/ Not Matched	Remarks (If any)
Item No. 2: Firewall			
2	Firewall appliance should have at least 8 x 10/100/1000 GE interfaces along with 4 x GE SFP slots & 2 x 10 GE Ethernet/SFP+		
	Device should have minimum firewall throughput of 6 Gbps		
	Should support at least 10,00,000 concurrent sessions		
	Firewall should support at least 40,000 new connections per second		
	The Firewall should have integrated SSL VPN solution to cater minimum 50 SSL VPN concurrent users.		
	The proposed system should support IPsec VPN throughput of 1.5 Gbps		
	The proposed system should support AV + IPS + App control / NGFW enabled throughput of 1 Gbps		
	The device should support at least one management interfaces to manage the firewall & one USB Port. (Data ports should not be used for management purpose.)		
	Firewall should support IPv4 & IPv6 dual stack functionality		
	Firewall should support user & admin authentication via captive portal & should be integrate with LDAP/RADIUS/AD for SSO		

Firewall should support NAT, PAT, Nat66 (IPv6-to-IPv6), Nat46 (Optional) (IPv4-to-IPv6) - and Nat64 (IPv6-to-IPv4) or equivalent functionality from day1. Acceptable solution i.e. OEM/Bidder can achieve the same through providing additional hardware like Router (from Day 1 itself) of capacity equivalent to the firewall thus without compromising on any of the parameter like throughput, Ports etc. of the solution, as asked in the bid.		
Firewall should support static, dynamic and multicast routing protocol		
Solution should support troubleshooting tools like Ping, Traceroute, Packet Tracer/capture, etc.		
Firewall should provide application inspection for DNS, FTP, HTTP, SMTP, ESMTP (Optional), RTSP, SIP, SCCP, SQLNET, TFTP, H.323, ICMP.		
The device should support redundant power supplies		
Firewall should support creating access polices on the basis of IPv4, IPv6 objects, protocols, ports etc.		
Web Filtering: Keyword, Block Java applets, cookies, ActiveX, Block malware		
Intrusion Prevention System (IPS): should be able to mitigate attacks like FTP Attack, HTTP Attack, DNS Attack, ICMP Attack, TCP/IP Attack, DOS and DDOS Attack, TelNet Attack. Signatures, IPS Policies, Automatic real-time updates, Protocol Anomaly Detection		
The device should be manageable using standard protocols like HTTP, SSL, SSH, SNMP etc.		
The device should be able to send the event logs, alarms, etc. to the third-party tool		
Appliance should have latest ICSA/NSS certification for Firewall.		
The device should be hardware based and should be supplied with Indian Standard power cables.		
Required hardware having storage capacity to store the logs of minimum last 1-year period, software and licenses (valid perpetual for life) for storing the logs.		
The device should provide feature for Zero Day Protection / Sandboxing / ATP from day one		
Should be SD WAN enable from day one		
Proposed device should also perform activities like Intrusion prevention, IP Reputation, URL filtering, Web filtering, content filtering, Anti-BOT control and Antivirus from day one with required Licenses valid perpetual for life and 24*7 support valid for 5 Years .		

Sr. No.	Item Minimum Specifications		Matched/ Not Matched	Remarks (If any)
Item No. 3: Rack base Server				
3	Chassis	1U/2U Rack Mountable		
	CPU	1* Intel® Xeon S- 4110 Processor (2.1 GHz, 8 Core CPU) or AMD EPYC 7251 (2.1GHz 8 Cores) or higher/Latest		

Motherboard	Intel® C620 Series Chipset / AMD Chipset or better on Intel or equivalent OEM motherboard for above CPU		
Graphics	On Board Graphics with 16 MB RAM or higher		
Slots	Minimum 3 free PCI slots		
Memory	64 GB DDR4 Registered (RDIMM) memory upgradeable up to 128 GB or more		
Bays	8 or more Hot Plug SAS hard disk bays		
HDD	4 * 1.2 TB 10K rpm hot plug SAS drives		
RAID Support	RAID controller for RAID 0, Raid 1, and RAID 5 configurations		
Networking Features	4 Nos of 1Gbps Ethernet Port + 2 Nos of 10Gbps Ethernet Module		
Ports	Minimum 1 Front and 2 Rear USB ports (with Min 1 USB 3.0 port), 2 RJ-45 port		
	1 Remote Management Port (TCP\IP based): it is used for GUI interface to monitor & manage the server performance remotely.		
Management hardware	Integrated System Management Processor or Integrated BMC Controller		
System Management Software	Pre-failure alerts for processor, memory and hard disks, Unattended and selectable remote boot and remote diagnostics, ECC with error reporting (Please Specify name of the System Management Software and upload the supporting document)		
DVD Drive	Slim Line DVD Writer (Internal / External through USB connectivity)		
Rack rails	Rack rails needs to be supply along with server		
Power Supply	Redundant Hot swap power supply		
OS Support	Microsoft Windows Server, Virtualization Software		
Certifications	RoHS, UL, CE/FCC or equivalent third party certification from reputed Agency, Windows Logo Certification		

Sr. No.	Item Minimum Specifications	Matched/ Not Matched	Remarks (If any)
Item No. 4: Backup Appliance			
4	Integrated Backup Server solution should be appliance based solution with local storage and backup software.		
	Integrated Backup solution must offer change detection and an incremental approach to backing up data that changes over time.		
	Integrated Backup solution must offer deduplication technology Like Inline, block-level, source- and target-based deduplication and must be able to deduplicate across all a customer's data sources.		
	Solution should be able to access data from a variety of operating systems including Microsoft Windows, Linux, and Mac OS		
	Solution should be supported Host level: VMware vSphere, Microsoft Hyper-V Guest level: Citrix XenServer, Oracle VM, Red Hat Enterprise Virtualization, KVM		
	Solution should be able to backup & restore data of Windows File System & System State, Microsoft Applications (Exchange, SQL & SharePoint), LinuxVMware vSphere, Microsoft Hyper-V & Nutanix		
	Solution should be Restore physical server backups into vSphere and Hyper-V virtual environments with Physical to-Virtual (P2V) restores		
	solution should be able to Instant VM recovery with LiveBoot for VMware		

soluion should be able to restoration of backup calenderwise & versionwise.		
Solution should offer native support for MS SQL & MS Exchange backup and restore and recovery database restore option & message level backups for MS Exchange and allow for restore of individual messages or entire folders.		
Solution should provide automated email notifications of backup success and failures, device availability, and alerts for critical system errors.		
Backup Export Tool allows archiving to tape, external media, and Amazon Web Services (AWS)		
Backup solution should be generate the minimum report & Statistics • Detailed Backup report • Detailed restoration reports • Audit logs report		
solution should be support Backup exclusion rules		
Solution should offer flexible time-based retention options and version control that does not restrict the number of revisions or the time period in which data can be saved		
Solution should be able to restore individual files directly from the Local control or cloud control.		
Solution should support the Bare metal restore for Windows environments		
Solution should have a admin interface that can be accessed from anywhere and can support management of multiple appliances at multiple locations.		
solution should be supported Single agent for Windows systems and applications		
Integrated Backup Solution should include unlimited agent software licenses at no additional cost.		
Integrated Backup Solution should be required usable storage capacity of 2 TB or higher.		
Integrated Backup Solution should be required minimum 1x RJ45 Gigabit Ethernet.		
Integrated Backup Solution should be required 5 Year hardware and software warranty		

Sr. No.	Item Minimum Specifications	Matched/ Not Matched	Remarks (If any)
Item No. 5: Core L3 Switch			
5	Shall be modular chassis based switch, 19" Rack Mountable and switch should support Hot-swappable modules		
	The minimum interface shall require from Day 1 16 Port x 10G SFP+ Port and 16 Port x 10G base-T Ethernet/SFP+ Port, (Switch shall be configured with minimum two Nos of I/O Module/Line cards of 8 Port 10G SFP+ or higher and 8 Ports of 10G Base-T/SFP+ or higher.) The switch should have minimum 1 slot reserved for future expansion Or 2 * (16 Port x 10G SFP+ Port) of I/O Module/Line cards The switch should have minimum 1 slot reserved for future expansion		

However, switch must be populated with necessary requirement of 10G SFP+ Multi Mode Modules to connect HCI Solution and Firewall Ports with HA as per RFP requirements		
The switch should have Redundant Multi processing unit / Dual management module or equivalent technology and Redundant power supply from day one		
The switch should have 1 RJ-45 (serial RS-232C) console port		
Switching capacity/Routing bandwidth should be 800 Gbps or higher in non- blocking architecture. Minimum throughput should be 500 Mbps or higher. 10 Gbps Latency shall be < 4 mili second. All ports on the switch should work on line rate.		
The switch shall be based on Programmable ASIC or equivalent and it should support OpenFlow 1.0 and 1.3 or equivalent to enable SDN and also should support automatically configures switch for rogue AP detection, add VLAN, and set PoE priority		
The Switch should classifie traffic using multiple match criteria based on Layer 2, 3, and 4 information; applies QoS policies such as setting priority level and rate limit to selected traffic on a per-port or per-VLAN basis		
The Switch should support real-time traffic classification into eight priority levels mapped to eight queues		
The switch should support port-based rate limiting to provides per-port ingress-/egress-enforced increased bandwidth, bandwidth shaping and should support classifier-based rate limiting		
The switch should support IEEE 802.1p priority tag based on IP address, IP Type of Service (ToS), Layer 3 protocol, TCP/UDP port number, source port, and DiffServ, mirror selected ingress/egress traffic based on ACL, port, MAC address, or VLAN to a local or remote Switch located anywhere on the network, IEEE 802.1AB Link Layer Discovery Protocol and RMON, XRMON, UDLD/DLDP and sFlow v5 or equivalent, IEEE 802.3az Energy Efficient Ethernet, IEEE 802.3af and IEEE 802.3at Power over Ethernet (PoE)		
The switch should support provide independent primary and secondary operating system files for backup while upgrading & also support for Multiple configuration file		
The switch should use settings in DHCP to enable Zero-Touch ProVisioning with Network Management tool and switch should have RA guard, DHCPv6 protection, dynamic IPv6 lockdown, and ND snooping		
The switch should support Jumbo frames on Gigabit Ethernet and 10-Gigabit Ethernet ports and The switch should provide automatic adjustments for straight-through or crossover cables on all 10/100 and 10/100/1000 ports		
The switch should support Dual stack (IPv4 and IPv6), IPv6 host, MLD snooping, ACL and QoS for IPv6 traffic, static, OSPFv3, BGP, RIPv1, RIPv2, and RIPng routing protocols & VRRP, encapsulation of IPv6 traffic in IPv4 packets from day one		
The Switch should creates one virtual resilient switch from two switches and attached the network devices using standard LACP for automatic load balancing and high availability to simplify network operation by reduce the need for complex protocols like Spanning Tree Protocol (STP), Equal-Cost Multipath (ECMP), and VRRP		
The switch should support IEEE 802.1s Multiple Spanning Tree Protocol and 802.1w Rapid Spanning Tree Protocol & IEEE 802.3ad Link Aggregation Control Protocol (LACP) and port trunking		
The switch should support Loopback interface address, Route maps, DHCP server, Bidirectional Forwarding Detection (BFD), User Datagram Protocol (UDP) helper function and support VLAN and tagging, VxLAN encapsulation (tunneling) protocol for overlay network that enables a more scalable virtual network deployment		
The switch should support 10000 (IPv4), 5000 (IPv6) routing entries, Policy-based routing from day one		
The switch should support secure encryption of all access methods (CLI, GUI, or MIB) through SSHv2, SSL, and/or SNMPv3		

	Operating temperature of 0°C to 45°C		
	The OEM of the Switch should provide free software upgrade/ future OS releases and it's related technical support without any additional charges/cost until it is declared end of support/sale		

Sr. No.	Item Minimum Specifications	Matched/ Not Matched	Remarks (If any)
Item No. 6: 24 Port L2 Switch with staking Module/DAC Cable			
	Shall be 19" Rack Mountable		
	24 RJ-45 autosensing 10/100/1000 ports and 4 SFP+ 10GbE ports, 1 dual personality (Rj-45 or USB micro-B) serial console port		
	Switch should have non-blocking switching capacity architecture, 1GB SDRAM and 12 MB Packet buffer size and Switch should Provide graceful congestion management and Switch should support 32000 MAC address, Routing table size of 2000 entries (IPv4), 1000 entries (IPv6)		
	The Switch should stack up to 8 members with stacking bandwidth of 80Gbps.		
	Switch should support OpenFlow 1.0 and 1.3 or equivalent to enable SDN by allowing separation of the data (packet forwarding) and control (routing decision) paths		
	switch should support HTTP redirect function, User policy to defines a set of switch-based policies in areas such as security, authentication, and QoS, secured tunnel to transport network traffic on a per-port basis for Authentication and context based network policies for end point		
	Switch should support Static IP Visibility to do accounting for clients with static IP address and should support Layer 4 prioritization to enable prioritization based on TCP/UDP port numbers		
	Switch should support Traffic prioritization (IEEE 802.1p) to allows real-time traffic classification into eight priority levels mapped to eight queues, Rate limiting to sets per-port ingress enforced maximums and per-port, per-queue minimums		
6	Switch should support Class of Service (CoS) to sets the IEEE 802.1p priority tag based on IP address, IP Type of Service (ToS), Layer 3 protocol, TCP/UDP port number, source port, and DiffServ, Auto-MDIX to provide automatic adjustments for straight-through or crossover cables on all 10/100 and 10/100/1000 ports		
	Switch should support IPV6 host to enable switches to be managed in an IPv6 network, Dual stack (IPv4 and IPv6) to transition from IPv4 to IPv6, supporting connectivity for both protocols. MLD snooping, ACL, RIPng (Optional) and QoS for IPv6 network traffic, RA guard, DHCPv6 protection, dynamic IPv6 lockdown, and ND snooping, Energy-efficient Ethernet (EEE) to reduce power consumption in accordance with IEEE 802.3az		
	The switch should support IP multicast routing and PIM Sparse and Dense modes to route IP multicast traffic, IP multicast snooping and data-driven IGMP, LLDP-MED (Media Endpoint Discovery), IEEE 802.1AB Link Layer Discovery Protocol (LLDP), Local MAC Authentication		
	The switch should support Virtual Router Redundancy Protocol (VRRP), IEEE 802.1s Multiple Spanning Tree, IEEE 802.3ad link-aggregation-control protocol (LACP) and port trunking, SNMPv1, v2, and v3, Zero-Touch Provisioning (ZTP), Dual flash images, allow assignment of descriptive names of ports, switch should allow multiple configuration files to be stored to a flash image		
	The switch should have the capability to find and fixes common network problems automatically, then informs administrator		

The switch should provide advanced monitoring and reporting capabilities for statistics, history, alarms, and events, IP Layer 3 filtering based on source/destination IP address/subnet and source/destination TCP/UDP port number, easy-to-configure link redundancy of active and standby links		
The switch should support ingress and egress port monitoring enable network problem solving, switch should support RMON, XRMON, and sFlow or equivalent, Unidirectional link detection (UDLD) or equivalent, IP service level agreements (SLA) for voice		
The switch should support ingress and egress port monitoring enable network problem solving, IEEE 802.1Q (4094 VLAN IDs) and 2K Active VLANs , Jumbo packet, IEEE 802.1v protocol VLANs, Rapid Per-VLAN Spanning Tree (RPVST+), GVRP & MVRP		
The switch should support encapsulation (tunneling) protocol for overlay network that enables a more scalable virtual network deployment, minimum 256 static IP routing, OSPFv2 and OSPFv3 protocols (Optional) for routing between access and the next layer on the LAN, Policy based routing, Access control lists (ACLs)		
The switch should support Concurrent IEEE 802.1X, Web, and MAC authentication schemes per port and accept up to 32 sessions of IEEE 802.1X, Web, and MAC authentications, Source-port filtering, RADIUS/TACACS+, Secure Shell, Secure Sockets Layer (SSL), Port security, MAC Address lockout, Secure FTP, Management logon security, BDPU port protection, DHCP protection, Dynamic ARP protection, STP root guard, Identity driven ACL, Per-port broadcast throttling, Private VLAN		
Operating temperature of 0°C to 45°C		
The OEM of the Switch should provide free software upgrade/ future OS releases and it's related technical support without any additional charges/cost until it is declared end of support/sale		

Sr. No.	Item	Matched/ Not Matched	Remarks (If any)
Item No. 7: 42 U Server cum Network Rack with necessary Cabling work & Accessories			
7	42U Floor Standing Rack - 19"		
	42U Rack Size: 800W *1200D		
	Door Steel Ful Prf 800W x 42U, Dual front, Dual rear		
	Fan housing unit 4 fan position		
	4 x Fan 230 Vac 90 CFM		
	Castor with ft break (2+2)		
	Captive Mounting Hardware of 20		
	3 x Shelf Stationery 725mmD		
	Sliding Tray		
	Should have sufficient perforation for ventilation of air		
	5 x Cable Manager		
	PDU : 2 nos of 32 Ampere PDU along with required industrial sockets (have provision for 3 pin Indian Plug)		

Sr. No.	Item (Minimum Specification)	Matched/ Not Matched	Remarks (if any)
Item No. 8: 12 U Wall Mount Rack			

| 8 | 12 U wall mounting rack –
 Rigid frame that can be fixed to the wall,
 19" Adjustable rails in the front and rear,
 Front section with glass door and lock,
 Top and bottom cable entry facility,
 The quoted PoE Switch(s) and NVR should be mount in the Rack,
 Cable managers, Earth continuity kit, Powder coated cabinet
 (Bidder has to carry out installation/fixing) | | |

Item No. 9: 24 Port Cat 6A UTP Shuttered Patch Panel - Loaded with Cable Manager

Sr. No.	Item (Minimum Specification)	Matched/ Not Matched	Remarks (if any)
9	Category Cat 6A, No. of Ports 24 Ports, Features I/Os Individually replaceable Built-in Shutter Rear Cable Manager, Rack Mountable		

Item No. 10: Cat 6A Factory Crimped Patch Cord - 3 feet/1 Mtr

Sr. No.	Item (Minimum Specification)	Matched/ Not Matched	Remarks (if any)
10	Factory Crimped Cat 6A UTP Patch cord with 24 AWG 7/32 Round stranded copper wire. Length- 3 feet/1 Mtr.		

Item No. 11: 24 Port Cat 6 UTP Shuttered Patch Panel - Loaded with Cable Manager

Sr. No.	Item (Minimum Specification)	Matched/ Not Matched	Remarks (if any)
11	Category Cat 6, No. of Ports 24 Ports, Fully loaded I/Os Individually replaceable, Built-in Shutter, Rear Cable Manager, Rack Mountable		

Item No. 12: Cat-6 UTP Factory Crimped Patch Cord - 1 mtr / 3 feet

Sr. No.	Item (Minimum Specification)	Matched/ Not Matched	Remarks (if any)
12	Factory Crimped Cat6 UTP Patch cord with 23-24 AWG 7/32 Round stranded copper wire. Length- 1 mtr / 3 feet		

Item No. 13: Cat 6 UTP Surface Single Shutter outlet with I/O Module and back box

Sr. No.	Item (Minimum Specification)	Matched/ Not Matched	Remarks (if any)
13	Cat 6 UTP Surface Single Shutter outlet with I/O Module and Surface Mount Box / Back Box.		

Item No. 14: Cat 6 UTP Cable with laying with required PVC Pipe & Labor Charges

Sr. No.	Item (Minimum Specification)	Matched/ Not Matched	Remarks (if any)
14	Category Cat 6 Conductor 23-24 AWG, Solid Bare Electrolytic Grade Copper, Outer Sheath FRPVC Insulation HDPE Splitter X-Shaped Spine Separator, Tested Frequency 250Mhz Standards. Bidder will have to consider laying with required PVC Pipe & Labor Charges (In Meter)		

Item No. 15: Fiber Patch Cord Multimode OM 4 (LC-LC) - 1 Mtr / 3 feet

Sr. No.	Item (Minimum Specification)	Matched/ Not Matched	Remarks (if any)
15	MM Fiber Patch Cord (LC-LC), Duplex, 50/125um. Length- 1 mtr / 3 feet		

Item No. 16: Fiber Patch Cord Single mode (LC-LC) - 1 Mtr / 3 feet

Sr. No.	Item (Minimum Specification)	Matched/ Not Matched	Remarks (if any)
16	SM Fiber Patch Cord (LC-LC), Duplex, 9/125um. Length- 1 mtr / 3 feet		

Item No. 17: 10G SFP+ Single Mode Fiber Transceiver for Core L3 Switch

Sr. No.	Item	Matched/ Not Matched	Remarks (If any)
17	10G SFP+ Single Mode Fiber Transceiver for Core L3 Switch Should be of Same Brand of Switch		

Item No. 18: 10G SFP+ Multi Mode Fiber Transceiver for Core L3 Switch

Sr. No.	Item	Matched/ Not Matched	Remarks (If any)
18	10G SFP+ Multi Mode Fiber Transceiver for Core L3 Switch Should be of Same Brand of Switch		

Item No. 19: 10G SFP+ Single Mode Fiber Transceiver for Core L2 Switch

Sr. No.	Item	Matched/ Not Matched	Remarks (If any)
19	10G SFP+ Single Mode Fiber Transceiver for Core L2 Switch Should be of Same Brand of Switch		

Item No. 20: 10G SFP+ Multi Mode Fiber Transceiver for Core L2 Switch

Sr. No.	Item	Matched/ Not Matched	Remarks (If any)
20	10G SFP+ Multi Mode Fiber Transceiver for Core L2 Switch Should be of Same Brand of Switch		

Item No. 21: Desktop for Monitoring & Management

Sr. No.		Item	Matched/ Not Matched	Remarks (If any)
21	Form Factor & System chassis	Micro ATX/ SFF System chassis with suitable power supply to sustain full load including possible future up gradations. Complete system should be energy star 6.0 compliant / BEE Star certified		
	CPU	Intel® Core™ i5 Processor (2.8 GHz, 6M Cache) or AMD Ryzen 5 (3.6 GHz, 6M Cache) or higher		
	Motherboard	Suitable chipset for above mentioned processor based		

& chipset	motherboard		
Bus Architecture	Integrated onboard graphics, Total 2 no.s of PCI/PCIe slots,		
Memory	Min. 16 GB DDR4 @ 2400 MHz or higher RAM with 1 DIMM slot free. (Single Module Should be supplied)		
Hard disk	500 GB or higher SATA hard disk with 7200 rpm		
Keyboard	USB or Ps/2 104 Keys keyboard		
Mouse	USB or PS/2 Two button scroll optical mouse with pad		
Ports	Total 4 USB port with at least 2 USB 2.0 port (min. 2 at front), VGA/HDMI**/**DP port, Microphone, Headphone OR Universal Audio Jack		
Networking features	Network Integrated Gigabit Ethernet controller		
O.S.	Pre-loaded 64-bit Microsoft Windows 10 Professional licensed software with latest updates and Restore/ Recovery CD/ Self Mechanism		
Data Recovery Software	Pre-loaded software tool that has provision for scheduled backup for restoring OS & data. Should have capability to take backup to external media. (Please specify name of Data Recovery Software)		
Antivirus	Pre-loaded Antivirus with 5 years updates		
Optical Drive	8x or better Internal DVD Writer		
18" or higher wide screen LED Backlit based TFT Monitor	18" or higher wide screen LED Backlit based TFTs, Contrast Ratio – 1000:1 or better, Resolution – 1360 X 768 or better, TCO Displays 5.0 certified or better		
Certifications	RoHS, UL / CE / FCC or equivalent third party certification from reputed Agency, Windows 10 Certification		
Dust Cover	Dust Cover for CPU, Monitor		
Speakers	Internal / External Speakers Note: In case of external speakers, 1. Bidder will have to provide 2 nos of Speakers (4W RMS or better). 2. It should not consume any PCI slot /USB port <u>OR</u> bidder will have to provide one extra PCI slot/USB port to operate speakers		

Item no. 22: 5 KVA Online UPS (with 1 Hour battery backup)			
Sr. No.	**Item (Minimum Specification)**	**Matched/ Not Matched**	**Remarks (if any)**
22	General	Online UPS with PWM Technology suitable for single Phase AC input voltage		
		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.		

	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		
	Enclosures shall conform to protection requirement of IP2L1/IP20 to ISI:3947 (Part 1)/1993 (reaffirmed 1998)		
Certifications	UPS should meet CE and ROHS standards (Pls submit certificates along with bid)		
Bypass Switch	Manual OR Static by-pass switch shall be provided for maintenance of UPS with provision for Enable/Disable of Bypass mode		
	UPS shall supply output power and charging current at the same time		
Switching Device	Switching Device shall be IGBT		
	Switching frequency shall be 19 KHz or above		
	UPS shall be provided with USB OR serial communication port RS 232 for computer interface for data exchange of electrical parameters of UPS like voltage, current, frequency, charging status, mode of operation etc.		
INPUT			
Voltage Range	160 V – 280 V		
Frequency Range	50 Hz +/- 10% Hz		
Phase	Single Phase AC		
OUTPUT			
Voltage Regulation	230 V +/-2% (with alternative setting for 220V +/- 2%)		
Output Frequency	50 Hz +/- 1 Hz Single Phase (In inverter mode)		
Certifications	UPS should meet CE and ROHS standards (Pls submit certificates along with bid)		
Voltage regulation	From on load to full load Should be within +/-1% in both the cases, UPS shall also have facility for operation in synchronous mode in which output frequency shall be same as that of mains frequency		
Harmonic Distortion	3% max. for 1/2/5/10 KVA on resistive load		
Communication	Fully functional SNMP card in UPS required; RS 232 OR USB port with software for UPS status monitoring		
Efficiency	At rated Output voltage and Frequency		
Inverter	83% (min)		
Overall	85% (min)		
Power Factor			
Load Power Factor	Better than 0.65 lagging		
UPS power factor	Better than 0.8 lagging (For 1 & 2KVA) Better than 0.9 lagging (For 5 & 10KVA)		
Over load	**For 5 KVA UPS: UPS shall withstand 25 % overload for 1 min & 50% overload for 30 sec.**		
ENVIRONMENT	Noise Level – less than 55 db at a distance of 1 meter		

Protection	Over voltage, short circuit and overload at UPS output terminal, Under voltage at battery terminal, Overshoot and undershoot shall not be greater than 4% of rated voltage for duration of 60 msec			
Indicators	Mains Presence, Battery Charging and Discharging, Low battery voltage			
Digital meters	"Input AC Voltage, Output AC Voltage, I/o Frequency, O/p Frequency, Output Current, Battery Voltage, Load Percentage, Battery Backup available in percentage, (with LED \ LCD display)"			
Misc	ECO Mode Operation with Enable/Disable function			
	Emergency Power Off (EPO)			
	UPS to be compatible with DG supply			
	Cables : With all necessary cables and plug and Battery links			
	Rack: Suitable Metallic Rack for housing of SMF Batteries to be provided			
Battery Detail	8000 VAH for 5 KVA - 60 min			
Battery Type	Sealed Maintenance Free (VRLA)			
Battery Make	Exide/Quanta/CSB/Panasonic/Yuasa (Battery Sr. No on OEM Letter Head with Warranty Assurance of 1 years)			
	The Manufacturer of the product (OEM) should be ISO 9001:2008 Process Certified for manufacturing			

Sr. No.		Item Description	Matched/ Not Matched	Remarks (If any)
Item no. 23:		**Network Storage Device**		
23	Processor	Six Core 2 GHz or higher		
	System Memory	8 GB DDR4 RAM or higher, scalable to 64 GB DDR4 RAM or more		
	HDD	Minimum 6* 10 TB hot-swappable HDD		
	LAN Interface	2 x 1 Gbps + 2 x 10 Gbps or more Ethernet Port		
	USB Interface	Minimum 2 x USB port		
	Bays	Minimum 12 hot-swappable HDD Bays.		
	RAID Support	RAID 0, 1, 5		
	OS Support:	Windows & Linux		
	AD / LDAP Support	Yes		
	Hardware Fail Alert	Yes (Via SMS/e-mail)		
	Backup Facility	Auto/Schedule Backup , Block-level, Multi Version, Compression, Encryption with de-dup Backup to Another NAS or Cloud		
	User Support:	NAS should support 500 users/clients		
	Operating System	Standard/Professional OS available with NAS appliance		

	Management Features	Schedule Shutdown facility, Password Protection, File & Folder Access level facility, FTP Support, User quota management, Remote Management, Standard Security Management Features, Storage & Quota Management		
	Networking Protocol	CIFS, FTP, Telnet, SSH, NFS, SMB, iSCSI		
	Power	AC 230v		
	NAS box shall be use as a digital repository for storing and retrieving – eBooks, PDF, documents, presentations, digital videos and can be accessible over LAN/Internet with user credentials.			

Sr. No.	Item Description		Matched/ Not Matched	Remarks (If any)
Item no. 24: Endpoint Security				
24	Requirement of Total Protection for end client	Anti-Virus, Anti-Malware, Anti-Phishing, Anti-Rootkit, Anti-Spyware, Anti-Trojan, Anti-Worm, Anti-Spam, Anti-Adware, Anti-Ransomware		
	Features and Product functionality	• Should have Boot time protection, Removable Media Scan, Protection from Browser Exploits, On-Demand Scanning, On-Access Scanning, Scheduled Scanning, Vulnerability Scanning, Automatically Clean Infected Files, Scan Compressed File Formats, Quarantine Feature, Registry Startup Protection, Browser Protection, Malicious web page blocking, Tamper Protection, Heuristics Protection, Web Protection, Macro Protection, Protection from PUA (Potentially Unwanted Applications), Download Protection, Behavioral Analysis & Vulnerability Protection, Network Attack Blocker. • Free 24-hour support, Zero Day Threat Protection, Ransomware Protection on AV. • Pre-Execution, Execution and Post-Execution Analysis • Should also have one Click Rollback in case of Endpoint ransomware encryption, single pane of glass and should have facility to disconnect infected client from network if possible.		
	Management	• Should have Console base or Cloud Management without additional licenses required. • Should management security policy enforcement, multiple layered heuristic based techniques and Free Upgradation to Higher Version with in support period.		

SECTION VI

FINANCIAL BID FORMAT

Part 1

Sr. No.	ITEM	Qty. (In Nos.)	Unit Price with 5 Year Warranty (In Rs. Without tax)	Total Price with 5 Year Warranty (In Rs. Without tax)	Rate of GST (%)
A	B	C	D	E = C*D	F
1	Hyper-Converged System Infrastructure	1			
2	Firewall	2			
3	Rack base Server	2			
4	Backup Appliance	1			
5	Core L3 Switch	1			
6	24 Port L2 Switch	21 *			
7	42 U Server cum Network Rack with necessary Cabling work & Accessories	2			
8	12U Wall Mount Rack	6 *			
9	24 Port Cat 6A UTP Shuttered Patch Panel - Loaded with Cable Manager	1			
10	Cat 6A UTP Factory Crimped Patch Cord - 3 feet/1 Mtr	12*			
11	24 Port Cat 6 UTP Shuttered Patch Panel - Loaded with Cable Manager	20*			
12	Cat-6 UTP Factory Crimped Patch Cord - 3 feet/1 Mtr	250*			
13	Cat 6 UTP Surface Single Shutter outlet with I/O Module and back box	50*			
14	Cat 6 UTP cable with laying with required PVC Pipe & Labor Charges (in meter)	600*			
15	Fiber Patch Cord Multimode OM 4 (LC-LC) - 3 feet/1 Mtr	2*			
16	Fiber Patch Cord Single mode OM 4 (LC-LC) - 3 feet/ 1 Mtr	16*			
17	10G SFP+ Single Mode Fiber Transceiver for Core L3 Switch	8*			
18	10G SFP+ Multi Mode Fiber Transceiver for Core L3 Switch	2*			
19	10G SFP+ Single Mode Fiber Transceiver for Core L2 Switch	8*			
20	10G SFP+ Multi Mode Fiber Transceiver for Core L2 Switch	10*			

21	Desktop for Monitoring & Management	5*			
22	5 KVA UPS with 1 Hour battery backup	1			
23	Network Storage Device	1			
24	End Point Antivirus Security Solution for 5 years Subscription	225*			
	GRAND TOTAL				

Part 2

Sr. no.	Particular	Annual charges					Total for five years (Rs.)	Rate of GST (In %)
		Y1	Y2	Y3	Y4	Y5		
		A	B	C	D	E	F=A+B+C+D+E	
1	Charges for Operation & maintenance of system including one technical manpower to provide hand holding support for the contract period of 5 years							

Note:

➢ **Financially L1 will be the lowest sum total of rate without tax with 5 Year Warranty including cost of the 5 years of O&M.**

➢ **The Bidder shall explicitly mention the applicable rate of tax.**

➢ **Supply & installation of the above mentioned materials should be carried out by the successful bidder at GSFC Campus as per BoQ mentioned in RFP.**

➢ *** The above mentioned quantity of the item is estimated and for evaluation purpose only. However, actual quantity may vary as per the requirement.**

➢ **For Cat 6 UTP cable & PVC Pipe quantity has been taken based on survey carried out. Bidders have to quote the price based on his own survey carried out. Beyond the above mentioned quantity required during the installation, the additional rate is not payable. However, for lesser quantity used for installation, the actual consumption will be taken into account at the finalized rate and payment will be made on actual work carried out.**

SECTION VII

Bid Processing Fees & Earnest Money Deposit Details

Sr. No.	Item	Amount (In Rs.)	Name of the Bank & Branch	Demand Draft No.
1	Bid Processing Fees			
2	Earnest Money Deposit (E.M.D.)			

ELIGIBILITY CRITERIA

Form No. E1: Financial strength of the bidder

Financial Year	Turnover (Rs. In Crores)	Audited Accounts uploaded? (Yes/No)
2016-17		
2017-18		
2018-19		
Grand Total		

Note: Please fill this form and upload the Audited Annual Accounts / Balance Sheet along with Profit & Loss Account for the last three financial years.

Form No. E2: Office in GUJARAT

Sr. No.	Address	Contact Person	Contact Nos.	Type of supporting document attached
1				
2				

Note: Please fill this form and submit the supporting documents. Failing the same may lead to the rejection of the bid. You may mention more than one office (if applicable) by adding multiple rows which may be added by "NUMBER OF ROWS TO ADD".

Form no. E3: Bidder's Experience in System Integration Project.

Sr. No.	Name of Customer	Address of Installation	Start date of Project	Completion date of Project	Scope of Work. Also specify the system installed	Specify Equipments supplied	Value of the project in Rs.	No. of Nodes installed
1								
2								
.								

Note: Please fill this form and upload necessary supporting documents like copies of purchase order / contract agreement and completion certificate for each of project details mentioned, as a proofs in the eligibility section. You may add the customer references by adding multiple rows which may be added by "NUMBER OF ROWS TO ADD".

Form no. E4:   Authorization Letters:

Sr. No.	Item	Make & Model	Name of OEM	Authorization letter Submitted? (Yes/No)
1	Hyper-Converged System Infrastructure			
2	Firewall			
3	Rack base Server			
4	Backup Appliance			
5	Core L3 Switch			
6	24 Port L2 Switch			
7	Network Storage Device			
8	LAN Passive Components			
9	5 KVA UPS			

Note: Please upload necessary supporting proofs in eligibility section.

Make & Model List

Sr. No.	Item	Make & Model	Supporting Document uploaded? (Yes/No)
1	Hyper-Converged System Infrastructure		
2	Firewall		
3	Rack base Server		
4	Backup Appliance		
5	Core L3 Switch		
6	24 Port L2 Switch		
7	42 U Server cum Network Rack		
8	12U Wall Mount Rack		
9	24 Port Cat 6A UTP Shuttered Patch Panel - Loaded with Cable Manager		
10	Cat 6A UTP Factory Crimped Patch Cord - 3 feet/1 Mtr		
11	24 Port Cat 6 UTP Shuttered Patch Panel - Loaded with Cable Manager		
12	Cat-6 UTP Factory Crimped Patch Cord - 3 feet/1 Mtr		
13	Cat 6 UTP Surface Single Shutter outlet with I/O Module and back box		
14	Cat 6 UTP cable		
15	Fiber Patch Cord Multimode OM 4 (LC-LC) - 3 feet/1 Mtr		

16	Fiber Patch Cord Single mode OM 4 (LC-LC) - 3 feet/ 1 Mtr		
17	10G SFP+ Single Mode Fiber Transceiver for Core L3 Switch		
18	10G SFP+ Multi Mode Fiber Transceiver for Core L3 Switch		
19	10G SFP+ Single Mode Fiber Transceiver for Core L2 Switch		
20	10G SFP+ Multi Mode Fiber Transceiver for Core L2 Switch		
21	Desktop		
22	5 KVA UPS with 1 Hour battery backup		
23	Network Storage Device		
24	End Point Antivirus Security Solution		

Note: The Bidder may quote only one option (i.e. one products can be quoted) against each item. Bidders are required to mention Make and Model of the product (Do not write "OEM" against items). Bidders are expected to give make and model of the product).

Ensure that all equipment including material to be installed by the Bidder shall be new and the product should not be de-supported or declared end of life during the next 7 years.

SECTION VIII

Performa of Compliance letter/Authenticity of Information Provided

(On Non judicial Stamp paper of Rs. 100/- duly attested by the First class Magistrate/Notary Public)

Date:

To,

GUJARAT INFORMATICS LIMITED

Block No. 2, 2nd Floor, Karmayogi Bhavan,
Sector-10 A, Gandhinagar 382 010
Phone No: 079 - 23256022

Sub: Compliance with the tender terms and conditions, specifications and Eligibility Criteria

Ref: Bid for the Selection of Agency for Supply, Installation, Commissioning, Warranty Support and Operation & Management of IT Infrastructure of GSFC University, Vadodara (Tender No. HWT061119592)

Dear Sir,

With reference to above referred tender, I, undersigned <<Name of Signatory>>, in the capacity of <<Designation of Signatory>>, is authorized to give the undertaking on behalf of <<Name of the bidder>>.

We wish to inform you that we have read and understood the technical specification and total requirement of the above mentioned bid submitted by us on **DD.MM.YYYY.**

We hereby confirm that all our quoted items meet or exceed the requirement and are absolutely compliant with specifications mentioned in the bid document.

We also explicitly understand that all quoted items meet technical specification of the bid & that such technical specification overrides the brochures/standard literature if the same contradicts or is absent in brochures.

In case of breach of any tender terms and conditions or deviation from bid specification other than already specified as mentioned above, the decision of GSFC University Tender Committee for disqualification will be accepted by us.

The Information provided in our submitted bid is correct. In case any information provided by us are found to be false or incorrect, you have right to reject our bid at any stage including forfeiture of our EMD/ PBG/cancel the award of contract. In this event, GSFC University reserves the right to take legal action on us.

Thanking you,

Dated this _____ day of_____YYYY

Signature: _____
(In the Capacity of) :_____
Duly authorized to sign bid for and on behalf of
_____

Note: This form should be signed by authorized signatory of bidder

<div align="right">**Annexure A**</div>

<div align="center">**Format of Earnest Money Deposit in the form of Bank Guarantee**</div>

Ref: Bank Guarantee No.
                                                        Date:

To,

GUJARAT INFORMATICS LIMITED
Block No. 2, 2ⁿᵈ Floor, Karmayogi Bhavan,
Sector-10 A, Gandhinagar 382 010
Phone No: 079 - 23256022

Whereas --- (here in after called "the Bidder") has submitted its bid dated ----------------- in response to the Tender no: ……………………. for the Selection of Agency for Supply, Installation, Commissioning, Warranty Support and Operation & Management of IT Infrastructure of GSFC University, Vadodara KNOW ALL MEN by these presents that WE --- --- having our registered office at ------------ ----------------------- ------- ---------------------- (hereinafter called "the Bank") are bound unto the Gujarat Informatics Limited in the sum of ---------------------- for which payment well and truly to be made to Gujarat Informatics Limited, the Bank binds itself, its successors and assigns by these presents. Sealed with the Common Seal of the said Bank this --------------day of ----------------------- ----YYYY.

THE CONDITIONS of this obligation are:

1. The E.M.D. may be forfeited:

    a. if a Bidder withdraws its bid during the period of bid validity

    b. Does not accept the correction of errors made in the tender document;

    c. In case of a successful Bidder, if the Bidder fails:

    (i) To sign the Contract as mentioned above within the time limit stipulated by purchaser or

    (ii) To furnish performance bank guarantee as mentioned above or

    (iii) If the bidder is found to be involved in fraudulent practices.

    (iv) If the bidder fails to submit the copy of purchase order & acceptance thereof.

    (v) If the successful bidder fails to submit the Performance Bank Guarantee & sign the Contract Form within prescribed time limit, the EMD of the successful bidder will be forfeited. GSFC University also reserves the right to blacklist such bidder from participating in future tenders if sufficient cause exists.

We undertake to pay to the Purchaser up to the above amount upon receipt of its first written demand, without Purchaser having to substantiate its demand, provided that in its demand Purchaser will specify that the amount claimed by it is due to it owing to the occurrence of any of the abovementioned conditions, specifying the occurred condition or conditions.

This guarantee will remain valid up to 9 months from the last date of bid submission. The Bank undertakes not to revoke this guarantee during its currency without previous consent of the OWNER/PURCHASER and further agrees that if this guarantee is extended for a period as mutually agreed between bidder & owner/purchaser, the guarantee shall be valid for a period so extended provided that a written request for such extension is received before the expiry of validity of guarantee.

The Bank shall not be released of its obligations under these presents by any exercise by the OWNER / PURCHAER of its liability with reference to the matters aforesaid or any of them or by reason or any other acts of omission or commission on the part of the OWNER/PURCHASER or any other indulgence shown by the OWNER/PURCHASER or by any other matter or things.

The Bank also agree that the OWNER/PUCHASER at its option shall be entitled to enforce this Guarantee against the Bank as a Principal Debtor, in the first instance without proceeding against the SELLER and not withstanding any security or other guarantee that the OWNER/PURCHASER may have in relation to the SELLER's liabilities.

Dated at _____ on this _____ day of _____YYYY.

_____

Signed and delivered by
_____

 For & on Behalf of

Name of the Bank & Branch &
Its official Address

Approved Bank: All Nationalized Bank including the public sector bank or Private Sector Banks or Commercial Banks or Co-Operative & Rural Banks (operating in India having branch at Ahmedabad/ Gandhinagar) as per the G.R. no. EMD/10/2018/18/DMO dated 16.04.2018 (http://www.gil.gujarat.gov.in/grs/DMO_2173_16_Apr_2018_714.pdf) issued by Finance Department or further instruction issued by Finance department time to time.

SECTION VIII

Performa of Contract-cum-Equipment
Performance Bank Guarantee
(To be stamped in accordance with Stamp Act)

Ref: Bank Guarantee No.
                                                         Date:

To
Name & Address of the Purchaser/Indenter
_____

_____

Dear Sir,

In consideration of GSFC University, Vadodara (hereinafter referred to as the OWNER/PURCHASER which expression shall unless repugnant to the context or meaning thereof include successors, administrators and assigns) having awarded to M/s …………………………………………………………………………………………………… having Principal Office at …………………………………………………………………… (Hereinafter referred to as the "SELLER" which expression shall unless repugnant to the context or meaning thereof include their respective successors, administrators, executors and assigns) the supply of _____by issue of Purchase Order No………………. Dated ………… issued by <<GSFC University>> for and on behalf of the OWNER/PURCHASER and the same having been accepted by the SELLER resulting into CONTRACT for supplies of materials/equipments as mentioned in the said purchase order and the SELLER having agreed to provide a Contract Performance and Warranty Guarantee for faithful performance of the aforementioned contract and warranty quality to the OWNER/PURCHASER, _____having Head Office at (hereinafter referred to as the 'Bank' which expressly shall, unless repugnant to the context or meaning thereof include successors, administrators, executors and assigns) do hereby guarantee to undertake to pay the sum of Rs._____(Rupees_____) to the OWNER/PURCHASER on demand at any time up to_____ without a reference to the SELLER. Any such demand made by the OWNER/PURCHASER on the Bank shall be conclusive and binding notwithstanding any difference between Tribunals, Arbitrator or any other authority.

The Bank undertakes not to revoke this guarantee during its currency without previous consent of the OWNER/PURCHASER and further agrees that the guarantee herein contained shall continue to be enforceable till the OWNER/PURCHASER discharges this guarantee. OWNER/PURCHASER shall have the fullest liberty without affecting in any way the liability of the Bank under this guarantee from time to time to extend the time for performance by the SELLER of the aforementioned CONTRACT. The OWNER/ PURCHASER shall have the fullest liberty, without affecting this guarantee, to postpone from time to time the exercise of any powers vested in them or of any right which they might have against the SELLER, and to exercise the same at any time in any manner, and either to enforce to forebear to enforce any covenants contained or implied, in the aforementioned CONTRACT between the OWNER/PURCHASER and the SELLER or any other course of or remedy or security available to the OWNER/PURCHASER.

The Bank shall not be released of its obligations under these presents by any exercise by the OWNER/PURCHAER of its liability with reference to the matters aforesaid or any of them or by reason or any other acts of omission or commission on the part of the OWNER/PURCHASER or any other indulgence shown by the OWNER/PURCHASER or by any other matter or things.

The Bank also agree that the OWNER/PUCHASER at its option shall be entitled to enforce this Guarantee against the Bank as a Principal Debtor, in the first instance without proceeding against the SELLER and not withstanding any security or other guarantee that the OWNER/PURCHASER may have in relation to the Seller's liabilities.

Notwithstanding anything contained herein above our liability under this Guarantee is restricted to Rs. _____ (Rupees _____) and it shall remain in force up to and including _____ and shall be extended from time to time for such period as may be desired by the SELLER on whose behalf this guarantee has been given.

Dated at _____ on this _____ day of _____YYYY.

_____
Signed and delivered by

_____

For & on Behalf of

Name of the Bank & Branch &
Its official Address

List of approved Banks

Approved Bank: All Nationalized Bank including the public sector bank or Private Sector Banks or Commercial Banks or Co-Operative & Rural Banks (operating in India having branch at Ahmedabad/ Gandhinagar) as per the G.R. no. EMD/10/2018/18/DMO dated 16.04.2018 (http://www.gil.gujarat.gov.in/grs/DMO_2173_16_Apr_2018_714.pdf) issued by Finance Department or further instruction issued by Finance department time to time.

CONTRACT FORM

THIS AGREEMENT made the _____ day of _____, YYYY ____ Between _____ *(Name of purchaser)* of _____ *(Country of Purchaser)* hereinafter "the Purchaser" of the one part and _____ *(Name of Supplier)* of _____ *(City and Country of Supplier)* hereinafter called "the Supplier" of the other part :

WHEREAS the Purchaser is desirous that certain Goods and ancillary services viz., _____ *(Brief Description of Goods and Services)* and has accepted a bid by the Supplier for the supply of those goods and services in the sum of _____ *(Contract Price in Words and Figures)* hereinafter called "the Contract Price in Words and Figures" hereinafter called "the Contract Price."

NOW THIS AGREEMENT WITHNESSETH AS FOLLOWS:

1 In this Agreement words and expressions shall have the same meanings as are respectively assigned to them in the Conditions of Contract referred to.

2 The following documents shall be deemed to form and be read and construed as part of this Agreement, viz.:

    2.1 the Bid Form and the Price Schedule submitted by the Bidder;

    2.2 terms and conditions of the bid

    2.3 the Purchaser's Notification of Award

3 In consideration of the payments to be made by the Purchaser to the Supplier as hereinafter mentioned, the Supplier hereby covenants with the Purchaser to provide the goods and services and to remedy defects therein in conformity in all respects with the provisions of the Contract.

4 The Purchaser hereby covenants to pay the Supplier in consideration of the provision of the goods and services and the remedying of defects therein, the Contract Price or such other sum as may become payable under the provisions of the Contract at the times and in the manner prescribed by the Contract.

5 Particulars of the goods and services which shall be supplied / provided by the Supplier are as enlisted in the enclosed annexure:

TOTAL VALUE:

DELIVERY SCHEDULE:

IN WITNESS whereof the parties hereto have caused this Agreement to be executed in accordance with their respective laws the day and year first above written.

Signed, Sealed and Delivered by the

Said _____ (For the Purchaser)

In the presence of _____

Signed, Sealed and Delivered by the

Said _____ (For the Supplier)

In the presence of _____