Notice Inviting Tender

Director, NESAC, Umiam, Meghalaya invites sealed offers in two bids from reputed Service Providers, Firms, Contractors etc for the following:

<table>
<thead>
<tr>
<th>NIT No.</th>
<th>Name of the Work</th>
<th>EMD (₹) in the form of DD</th>
<th>Tender Fee (₹)</th>
</tr>
</thead>
<tbody>
<tr>
<td>NESAC/1236/2020</td>
<td>Upgradation of SILKS Web Hosting platform at Central Silk Board, Bengaluru</td>
<td>₹ 66,000/-</td>
<td>₹ 180/-</td>
</tr>
</tbody>
</table>

Notices for selling of tender documents: 08.09.2020 to 30.09.2020
Last date & Time for submission of tender documents: 30.09.2020, upto 1330 Hrs.

Date, Time & Venue of Bid Opening: 30.09.2020 at 1530 Hrs at NESAC, Umiam, Meghalaya

Instructions to Tenderers:
1. For full details and terms and conditions etc., please see the enclosed Annexures.
2. Tender documents can be obtained from the Sr. Administrative Officer, NESAC, Umiam.
3. Tender Fee shall be paid in form of CROSSED Demand Draft only. The Demand Draft should be in favor of Director, NESAC drawn on State Bank of India, Umiam (branch Code 2010). The Tender Fee is NON-REFUNDABLE. Your request letter along with Tender Fee may be addressed to the Sr. Administrative Officer as indicated above.
4. Interested tenderers may, at their option, download the tender documents from the NESAC website www.nesac.gov.in and submit the Tender Document along with the prescribed tender fee as per details given in the tender notification.
5. While requesting for Tender Documents, please superscribe on the cover as “Request for Tender document against Tender Notice No. NESAC/1236/2020”
6. Tender Document received after the due date/time will not be considered.
7. While sending sealed quotation/offer superscribed respective Tender Number and Due Date on the envelope.
8. NESAC, UMIAM is not responsible for any postal delays/loss of documents in transit.
9. If the date specified for submission/opening of tenders is declared as a holiday abruptly, the due date for submission/opening of the tenders in such cases shall be postponed automatically to the next working day.
10. Director, NESAC reserves the right to accept or reject any/or all the quotations/Expression of Interest in part or full.
11. All pages forming part of the tender documents should be duly signed, stamped and submitted to NESAC. Pages not signed and stamped will be considered invalid and rejected.

Sd/-

Dated: 04.09.2020

Director NESAC
TENDER DOCUMENT
FOR
UPGRADATION OF SILKS WEB HOSTING PLATFORM AT
CENTRAL SILK BOARD, BENGALURU

सितंबर/September 2020

भारत सरकार/Government of India
अंतरिक्ष विभाग/Department of Space
उत्तर-पूर्व अंतरिक्ष उपयोग केंद्र/North Eastern Space Applications Centre
उमियम/Umiam-793103, मेघालय/Meghalaya
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Sd/-

Dated: 04.09.2020

Director NESAC
TECHNICAL SPECIFICATION

1. The server infrastructure for SILKS web hosting at CSB, Bangalore

The present SILKS servers were installed and configured during 2013-14 and was designed to host and served 108 district geoportals under the sub-domain http://silks.csb.gov.in. Two servers were procured during 2013-2014 meant for this. The available bandwidth from CSB is being used to host these data services.

Recently, there have been frequent issues with the servers with increasing server downtimes due to hardware issues. Currently, only one server is being used to host the SILKS application and data services for 178 districts of India. These servers are neither under Warranty nor AMC. Further, the hosting infrastructure needs to be upgraded and make data secure with separate storage mechanisms considering increasing security breach.

The current status of NESAC Network devices are given in the Table-1.

<table>
<thead>
<tr>
<th>SNo</th>
<th>Server Model</th>
<th>Machine Serial No.</th>
<th>Warranty Start Date</th>
<th>Warranty End Date</th>
<th>Years from the data of Purchase</th>
<th>Life time of the Servers</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Dell Power Edge R820</td>
<td>7TRKNW1</td>
<td>07/04/2013</td>
<td>09/04/2016</td>
<td>7 Years 4 Months</td>
<td>5 Years</td>
</tr>
<tr>
<td>2</td>
<td>Dell Power Edge R820</td>
<td>HCRWW22</td>
<td>23/09/2014</td>
<td>25/09/2017</td>
<td>5 Years 10 Months</td>
<td>5 Years</td>
</tr>
</tbody>
</table>

2. Proposal for upgradation of Hosting Infrastructure

NESAC is proposing for upgradation of hosting infrastructure for fail safe operation and security of the huge database and smooth operation of SILKS geoportal. The additional hosting infrastructure includes 2 additional servers for segregation of database and application servers, storage for safe keeping of all GIS database, backup server and solution and network switches.

All the servers, storage and switches must be integrated with the existing hosting infrastructure at CSB, Bangalore.

3. TECHNICAL BID

1. **Scope of the work:** North Eastern Space Applications Centre (NESAC) under Department of Space, Govt of India, Umiam-793103, Meghalaya has the REQUIREMENTS FOR UPGRADEATION OF SILKS (NATIONAL GEOPORTAL) WEB HOSTING PLATFORM AT CENTRAL SILK BOARD, Hosur Rd, Madiwala, Stage 2, BTM Layout, Bengaluru, Karnataka 560068. NESAC is looking for a Hardware Infrastructure with 2 Nos. Server on High Avaliability Cluster , 10TB Storage, Backup Server with Backup software, 10G Switches,etc to run the Geo-portal.
2. **Minimum specifications**: Vendor may quote equivalent or higher model in order to meet the minimum technical requirements of the specifications. Minimum specifications are given below-

(i) **Server**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Minimum required Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Make &amp; Model:</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Country of Origin:</strong></td>
<td></td>
</tr>
<tr>
<td>Processors</td>
<td>2 x Intel Xeon-Gold 5215 (2.5GHz/10-core/85W) Processor</td>
</tr>
<tr>
<td>Chipset</td>
<td>Latest OEM chipset supporting an optimized for the above processor</td>
</tr>
<tr>
<td>Memory</td>
<td>24 DIMM Slots , 64 GB(2*32GB) DDR4 Dual Rank x4 DDR4-2933, upgradable to 1.5TB DDR4 Memory</td>
</tr>
<tr>
<td>Hard Disk Drives</td>
<td>2 x 1TB SAS 7.2 KRPM, 12Gbps 2.5in Hot-plug Drive</td>
</tr>
<tr>
<td>HDD bays</td>
<td>HDD bays supporting SAS, SATA, SSD drives (Maximum HDD Support : 8 x 2.5&quot;HDD )</td>
</tr>
<tr>
<td>I/O slots</td>
<td>Minimum 6 x PCI-Express 3.0 slots</td>
</tr>
<tr>
<td>RAID levels</td>
<td>Integrated RAID Controller, 1GB Cache, Support for RAID 0,1 , support for raid 5</td>
</tr>
<tr>
<td>Network Interface</td>
<td>1 x On-Board LOM 1GBE (Dual Port) &amp; 1 x Dual Port 10G Base-T card</td>
</tr>
<tr>
<td>FC HBA card</td>
<td>Dual port 16 GBPs FC HBA Card</td>
</tr>
<tr>
<td>Graphics controller</td>
<td>Integrated Graphics with at least 16MB Video Memory</td>
</tr>
<tr>
<td>Server Management</td>
<td>OEM embedded controller and Server Management Tool from same OEM</td>
</tr>
<tr>
<td>Remote Management</td>
<td>System remote management should support browser based graphical remote console along with Virtual Power button, remote boot using USB/CD/DVD Drive</td>
</tr>
<tr>
<td>Ports</td>
<td>Min 3 USB ports</td>
</tr>
<tr>
<td>Power supplies</td>
<td>Redundant Platinum rated Power Supply (at least 500 Watts each) to sustain above configuration.</td>
</tr>
<tr>
<td>Cooling</td>
<td>Hot plug and redundant fans (Non Cabled)</td>
</tr>
<tr>
<td>Security</td>
<td>Hardware should be equipped with silicon root of trust</td>
</tr>
<tr>
<td>Certification</td>
<td>The server OEM must be ISO-14001</td>
</tr>
<tr>
<td>Operating Systems supported</td>
<td>The Server manufacturer should be enlisted within top 3 manufacturer as per the Latest IDC report Q1, 2020</td>
</tr>
<tr>
<td>Warranty:</td>
<td>3 years onsite warranty with Back to Back support from OEM</td>
</tr>
</tbody>
</table>
### Parameter | Minimum required Specification
--- | ---
**Make & Model** |  
**Country of Origin** |  
**Operating System & Clustering Support** | 1. The storage array should support industry-leading Operating System platforms including: Windows 2012/2016, HPE-UX, VMware and Linux. 
2. Offered Storage Shall support all above operating systems in Clustering. 
**Capacity & Scalability** | 1. **The Storage Array shall be offered with 10TB usable Capacity using 10K RPM SAS drives.** Minimum 2 x 800GB SSD drives for SSD based read cache should also be provided 
2. For effective power saving, Storage sub system shall be supplied with 2.5” Small form factor SFF drives however storage subsystem shall also support LFF drives with the addition of required disk enclosures. 
3. Storage shall be scalable to minimum of 190 number of SAS SFF drives. 
**Front-end Ports** | 1. Offered Storage system shall be supplied with minimum of Dual 16Gbps FC ports and Dual 10Gbps ISCSI ports per controller (Total: 4 FC & 4 ISCSI Ports in two Controllers) 
2. Offered storage shall have flexibility to use all above ports either as FC or ISCSI by replacing the requisite SFP. Vendors shall provide the additional SFP accordingly. In case, vendor doesn’t support this feature, then every controller shall be populated upfront with 4 x 16Gbps FC ports and 4 x 10Gbps ISCSI ports. 
**Architecture** | The storage array should support dual, redundant, hot-pluggable, active-active array controllers for high performance and reliability 
**No Single point of Failure** | Offered Storage Array shall be configurable in a No Single Point of configuration including Array Controller card, Cache memory, FAN, Power supply etc. 
**Disk Drive Support** | 1. Storage system shall also support maximum of 1.8TB Enterprise SAS Drives, 3.2TB SSD and 12TB near line SAS drives. 
2. Offered storage array shall also have support for self-encrypted SAS and near line SAS drives. 
**Cache** | 1. Offered Storage Array shall be given with Minimum of 8GB cache per controller in a single unit 
2. Cache shall be backed up in case of power failure for indefinite time either using batteries or capacitors or any other equivalent technology. 
3. Offered storage shall have support for SSD / Flash based Cache and shall be supplied with minimum 2 x 800GB SSD drive for caching. Offered Storage shall support at-least 8TB of Flash cache. 
4. Offered Flash cache shall be tuned for random read operations and shall remain activated even at less than 70% of random average read workload.
### Raid Support

1. Offered Storage Subsystem shall support Raid 0, 1, 1+0, 5 and Raid 6

2. All Raid Sets shall support thin provisioning. Vendor shall offer the license of thin provisioning for complete supported capacity of the array.

3. Thin provisioning shall be supported with offered Flash Cache.

### Point in time and clone copy

Offered Storage array shall be configured with array based Snapshot and clone functionality and shall be configured for minimum of 512 snapshot licenses.

### Replication

1. Offered storage subsystem shall support storage based replication to DR location. License for same shall be given on day 1.

2. Offered storage subsystem shall support replication to multiple storage array of the same family in fan-out mode. At least 1:4 mode shall be supported.

### Virtualization and Thin provisioning

1. Offered storage shall be offered and configured with virtualization capability so that a given volume can be striped across all spindles of given drive type within a given disk pool. Disk pool shall support all listed raid sets of Raid 1, Raid 5 and Raid 6.

2. Offered Storage shall be offered and configured with Thin Provisioning capability.

### Data Tiering

Offered Storage shall also be offered and configured for Sub-Lun Data tiering in real time fashion across different type of drives within a given pool like SSD, SAS, NL-SAS etc.

### Global and dedicated Hot Spare

1. Offered Storage Array shall support Global hot Spare for offered Disk drives.

2. Atleast 2 Global hot spare drive shall be configured for every 30 drives.

3. Storage subsystem shall also have the flexibility to assign dedicated spare for raid sets.

### Logical Volume & Performance

1. Storage Subsystem shall support minimum of 512 Logical Units. Storage Array shall also support creation of more than 100TB volume at controller level.

2. Offered Storage shall have inbuilt performance management software. Configuration Dashboard shall show overall IOPS and MB/sec performance.

### Load Balancing & Multi-path

1. Multi-path and load balancing software shall be provided, if vendor does not support MPIO functionality of Operating system.

### Warranty

3 years onsite warranty with Back to Back support from OEM

### (iii) Backup Server

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</tr>
<tr>
<td>Processors</td>
<td>Intel Xeon-Silver 4210 (2.2GHz/10-core/85W) FIO Processor Kit</td>
</tr>
<tr>
<td>Chipset</td>
<td>Latest OEM chipset supporting an optimized for the above processor</td>
</tr>
<tr>
<td>Memory</td>
<td>24 DIMM Slots, 32GB (1x32GB) Dual Rank x4 DDR4-2933 and upgradable to 768 GB DDR4 Memory</td>
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</table>

QTY:01
<table>
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<tr>
<th><strong>Hard Disk Drives</strong></th>
<th>6 x 2TB SAS 7.2 KRPM, 12Gbps 2.5in Hot-plug Drive</th>
</tr>
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<tr>
<td><strong>HDD bays</strong></td>
<td>HDD bays supporting SAS, SATA, SSD drives (Maximum HDD Support : 8 x 2.5&quot;HDD)</td>
</tr>
<tr>
<td><strong>I/O slots</strong></td>
<td>Minimum 6 x PCI-Express 3.0 slots</td>
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<td><strong>RAID levels</strong></td>
<td>Integrated RAID Controller, 1GB Cache, Support for RAID 0,1 ; support for RAID 5</td>
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<td><strong>Network Interface</strong></td>
<td>1 x On-Board LOM 1GBE (Dual Port) &amp; 1 x Dual Port 10G Base-T card</td>
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<td><strong>Graphics controller</strong></td>
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<td><strong>Certification</strong></td>
<td>The server OEM must be ISO-14001</td>
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**The Server manufacturer should be enlisted within top 3 manufacturer as per the Latest IDC report Q1, 2020**

**Operating Systems supported** | Microsoft Windows Server, Novell SUSE Linux Enterprise Server, Red Hat Enterprise Linux, VMware, FCC, UL, ROHS |
| **Warranty** | 3 years onsite warranty with Back to Back support from OEM |

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(iv) **10G Switch**

<table>
<thead>
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<td></td>
</tr>
<tr>
<td><strong>Country of Origin:</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Physical Interface</strong></td>
<td>12 x 1000/10000 Mbps RJ45 ports and additional 4 x 10 Gigabit SFP+ fiber</td>
</tr>
<tr>
<td><strong>Memory</strong></td>
<td>512 MB flash; Packet buffer size: 2 MB, 1 GB SDRAM</td>
</tr>
<tr>
<td><strong>Performance</strong></td>
<td>100 Mb Latency : &lt; 5 µs, 1000 Mb Latency : &lt; 5 µs, 10 Gbps Latency : &lt; 1.5 µs</td>
</tr>
<tr>
<td><strong>Throughput</strong></td>
<td>Minimum 230 Mpps (64-byte packets)</td>
</tr>
<tr>
<td><strong>Routing/Switching capacity</strong></td>
<td>Minimum 320 Gbps</td>
</tr>
<tr>
<td><strong>MAC address table size</strong></td>
<td>Min 16384 entries</td>
</tr>
<tr>
<td><strong>Network Protocol and Standards</strong></td>
<td>IEEE 802.3u 100BASE-TX, IEEE 802.3ab 1000BASE-T, IEEE 802.3z 1000BASE-X, IEEE802.3ae 10GBase Ethernet, IEEE802.3an 10GBase-T</td>
</tr>
<tr>
<td><strong>Reliability, Performance, Troubleshooting</strong></td>
<td>Port mirroring both on ingress and egress traffic, Jumbo frame support, DoS Prevention</td>
</tr>
</tbody>
</table>

**QTY:** 02
### Traffic Management
- Auto Negotiation of speed and duplex modes, 801.2x Flow Control, DHCP Client, Dynamic MAC address management, Port-based and IEEE801.2p-based QoS, QoS based on ToS (Type-of-Service), Link Aggregation

### Multicast Efficiency
- IGMP snooping, v1, v2 and v3, IGMP Snooping querier (6 and 24 port models only), Blocking of unknown multicast traffic, Act as static multicast router port

### Environmental Specifications
- Operating Temperature: 32 to 113°F (0°C to 45°C)
- Operating Humidity: 90% Maximum relative humidity, non-condensing

### Switch Management
- Firmware Upgrade thru Plus Utility (TFTP)
- System password protection, SNMP, HTTPS

### Certification
- UL, FCC, Switch OEM should be present in the latest Gartner report for data center networking

### Warranty Support
- 3 Years onsite Comprehensive

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### (v) Backup & Recovery Software

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Minimum required Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Brand&amp; Model</td>
<td></td>
</tr>
<tr>
<td>Country of Origin</td>
<td></td>
</tr>
<tr>
<td>License Type</td>
<td>Type: Subscription (console)/Perpetual (Agent)</td>
</tr>
<tr>
<td>Version</td>
<td>Latest build/version/release during delivery</td>
</tr>
<tr>
<td>Features</td>
<td>Data Backup Software for Server (physical and Virtual)</td>
</tr>
</tbody>
</table>

#### Management Console
- Web based management console with multi-site support
- custom users and administrators with different viewing and action permissions
- Management of workgroups, computers and jobs
- Run, Edit, configure backup scheduling remotely
- Remotely enable, disable, or modify the schedule for all backup operations
- e-mail and PUSH notifications of job and backup status

#### Backup Agent
- Windows Server, Linux, MS SQL, Oracle
- Schedule backup Job, Multi-destination in each job

#### Backup Destination
- FTP, SMB, TAPE, NFS, NAS, Public Cloud
- Image/VSS backup
- Backup/Export Settings/Job
- Drive Image, Synchronization, FTP and Cloud backup
- Easy restore to any platform like P2V, V2P etc
- Complete restore of the system with the recovery drive
- Incremental/differential backup

#### Security
- Realtime protection from Ransomware
- Cryptomining detection and protection
- Data authenticity so that nobody can tamper original data
4. **Technical Terms and Services**

a) Vendor must provide the BOM of the proposed offer as well as any other hardware required
   at the time of installation/configuration.

b) Vendor needs to install and configure the Servers on HA mode with the Storage, install the
   backup Server and backup software to take online and regular backup of the Servers.

c) L1 will be decided based on the total cost of the entire offers submitted by the technically
   qualified bidders.

d) The quoted cost must be inclusive of installation of the above Server, Storage, Backup
   Software, etc. at CSB, Bangalore followed by a training on operating the Hardware and
   taking backup of the Servers and also preliminary maintenance of the entire infrastructure.

5. **Warranty:** All the hardware and software shall have three year onsite comprehensive
   warranty from OEM covering all parts & labor from the date of acceptance of the systems by
   NESAC. During the warranty period, the equipment should be repaired/ replaced within
   three days of reporting of the defect. In case of vendor failing it, a standby arrangement
   should be provided till the equipment is repaired. The vendor shall be fully responsible for
   the manufacturer's warranty for all equipment, accessories, spare parts etc. against any
   defects arising from design, material, manufacturing, workmanship, or any act or omission
   of the manufacturer/vendor or any defect that may develop under normal use of supplied
   equipment during the warranty period. Warranty shall not become void even if NESAC buys
   any other supplemental hardware from a third party and installs it with/in these machines.
   However, the warranty of the OEM will not apply to such hardware items installed. If the
   bidder is not the OEM for the brand quoted, the warranty for the hardware/software shall
   be provided from the OEM.

6. **Eligibility of the bidders:**

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Eligibility of the Bidders</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>This invitation for bids is open to all reputed original equipment manufacturers (OEM)/distributors or their authorized dealers authorized by the OEM to quote on their behalf for this tender.</td>
</tr>
<tr>
<td>2</td>
<td>The bidder should have annual turnover of Rs1 Crore in each of last 3 preceding financial years. Copy/Copies of relevance document(s) are to be submitted in support of bidder’s annual turnover.</td>
</tr>
<tr>
<td>3</td>
<td>The Bidder must have an experience of executing (supply and installation) of at least One (1) order of 30 Lacs or Two (2) of 20 Lacs consisting of Server, Storage and Online Backup Software in the same order. Documentary proof of successful installation along with the contact details of the End-users shall be furnished along with the Technical Bid. Otherwise the bid will get technical rejected.</td>
</tr>
</tbody>
</table>
The Bidder should not be blacklisted in any Government/ Government undertaking/Public sector companies. A self – declaration letter by the Bidder, on the company’s letter head should be submitted along with the bid.

Vendor has to enclose manufacturer authorization certificate mentioning the Tender No. to quote for this Particular Tender, otherwise quotation shall be rejected without further intimation.

The bidder should participate as a single party and no consortium is allowed.

The OEMs participating in the tender must have presence and operation in India.

7. Earnest money deposit

a) Earnest Money Deposit (EMD) of ₹66000/- only should be submitted along with the bid in the following manner
   a. Crossed demand draft drawn on any Nationalized Bank in favor of Director, NESAC and payable at State Bank of India, Barapani branch (Branch Code 2010).
   b. EMD submitted in any form other than as specified above shall not be accepted and shall lead to rejection of the offer.

b) EMD shall be forfeited in the following events:
   a. If the offer is withdrawn during the period of validity of the offer or any agreed extension.
   b. If the offer is modified/altered without the knowledge of NESAC.
   c. If the tenderer backs-out.
   d. If the tenderer attempts to procure the contract by furnishing false/incorrect documents and by giving false declarations.

The EMD of the unsuccessful bidders shall be returned within a reasonable time or after expiry of the validity period. No interest shall be paid by NESAC on EMD.

Any offer without the EMD shall be summarily rejected.
8. **OEM authorization Certificate** (to be enclosed in Technical bid)

No. Date:

To,
The Administrative Officer  
North Eastern Space Applications Centre, GOI  
Department of Space Umiam – 793103, Meghalaya

Whereas…………………………… (Name and Address of the Manufacturer) who are established and manufacturers of (Name/description of the products), having production facilities at…. (Address of factory) do hereby authorize M/s...................(Name and Address of the Bidder) to submit a bid, and subsequently negotiate and sign the Contract with you against tender Enquiry No..................... dtd............. for the above products manufactured by us, for the support requirements of the above invitation of bids.

Name: (In the capacity of) (Duly authorized to sign the authorization on and behalf of)

Signature:

Dated this............. day of.............2019

Note: This letter of authority must be on the letterhead of the concerned manufacturer and must be signed [*ink-signed*] by a competent person. Soft copy of the same must be forwarded from OEM via their official mail id to the Administrative Officer, NESAC mail.
INSTRUCTIONS TO TENDERERS

1. EMD at the rate of ₹66,000/- shall be submitted in form of Demand Draft from any of the Nationalized/Scheduled banks in favour of Director, NESAC payable at SBI Umiam (Branch Code 2010), failing which the Tender will not be considered.

2. Late tenders and delayed tenders will not be considered.

3. a) All taxes/duties/levies whether by Central/State/Local government where legally leviable and intended to be claimed should be distinctly shown separately (in percentage and words) in the tender, otherwise price quoted will be treated as inclusive of all taxes.

   While quoting the tender, the tenderer should take into account all the extant statutory deductions under Central/State/Local statutes where legally leviable and show it separately (in percentage and words) and if not separately shown it will be treated as inclusive of all statutory deductions applicable as per the extant statutes.

   b) Our’s being a Department of Government of India, we are exempted from payment of Excise Duty/Customs Duty.

4. As a Government of India Department, this office is exempted from payment of Octroi and similar local levies. Tenderers shall ensure that necessary Exemption Certificates are obtained by them from the Accounts Officer, I/C Purchase & Stores to avoid any payment of such levies.
   a) Your quotation should be valid for 180 days from the date of opening of the tender.
   b) Prices are required to be quoted according to the units indicated in the annexed tender form. When quotations are given in terms of units other than those specified in the tender form, relationship between the two sets of units must be furnished.

5. Preference will be given to those tenders offering supplies from ready stocks and on the basis of FOR destination/delivery at site.
   a) All available technical literature, catalogues and other data in support of the specifications and details of the items should be furnished along with the offer.
   b) Samples, if called for, should be submitted free of all charges by the tenderer and the Purchaser shall not be responsible for any loss or damage thereof due to any reason whatsoever. In the event of non-acceptance of tender, the tenderer will have to remove the samples at his own expense.
   c) Approximate net and gross weight of the items offered shall be indicated in your offer. If dimensional details are available the same should also be indicated in your offer.
   d) Specifications: Stores offered should strictly confirm to our specifications. Deviations, if any, should be clearly indicated by the tenderer in his quotation. The tenderer should also indicate the Make/Type number of the stores offered and provide catalogues, technical literature and samples, wherever necessary, along with the quotations. Test Certificates, wherever necessary, should be forwarded along with supplies. Wherever options have been called for in our specifications, the tenderer should address all such options. Wherever specifically mentioned by us, the tenderer could suggest changes to specifications with appropriate response for the same.

6. The purchaser shall be under no obligation to accept the lowest or any tender and reserves the right of acceptance of the whole or any part of the tender or portions of the quantity offered and the tenderers shall supply the same at the rates quoted.

7. Corrections, if any, must be attested. All amounts shall be indicated both in words as well as in figures. Where there is difference between amount quoted in words and figures, amount quoted in words shall prevail.

8. The tenderer should supply along with his tender, the name of his bankers as well as the latest Income-Tax clearance certificate duly countersigned by the Income-Tax Officer of the Circle concerned under the seal of his office, if required by the Purchaser.

9. The authority of the person signing the tender, if called for, should be produced.

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TERMS & CONDITIONS OF TENDER

1. DEFINITIONS:
   a) The term 'Purchaser' shall mean Director, NESAC.
   b) The term ‘Contractor’ shall mean, the person, firm or company with whom or with which the order for the supply of stores is placed and shall be deemed to include the Contractor's successors, representative, heirs, executors and administrators unless excluded by the Contract.
   c) The term 'Stores' shall mean what the Contractor agrees to supply under the Contract as specified in the Purchase Order including erection of plants & machinery and subsequent testing, should such a condition is included in the Purchase Order.
   d) The term 'Purchase Order' shall mean the communication signed on behalf of the Purchaser by an Officer duly authorized intimating the acceptance on behalf of the Purchaser on the terms and conditions mentioned or referred to in the said communication accepting the tender or offer of the Contractor for supply of stores or plant, machinery or equipment or part thereof.

2. PRICES:
   Tender offering firm prices will be preferred. Where a price variation clause is insisted upon by a tenderer, quotation with a reasonable ceiling should be submitted. Such offers should invariably be supported by the base price taken into account at the time of tendering and also the formula for any such variation/s.

3. SECURITY DEPOSIT:
   On acceptance of the tender, the Contractor shall, at the option of the Purchaser and within the period specified by him, deposit with him, in cash or in any other form as the Purchaser may determine, security deposit not exceeding ten percent of the value of the Contract as the Purchaser shall specify. If the Contractor is called upon by the Purchaser to deposit, ‘Security’ and the Contractor fails to provide the security within the period specified, such failure shall constitute a breach of the Contract, and the Purchaser shall be entitled to make other arrangements for the re-purchase of the stores Contracted at the risk of the Contractor in terms of Sub-Clause (ii) and (iii) of clause 10(b) hereof and/or to recover from the Contractor, damages arising from such cancellation.

4. GUARANTEE/WARRANTY & REPLACEMENT:
   (a) The Contractor shall guarantee/warranty that the stores supplied shall comply fully with the specifications laid down, for material, workmanship and performance.
   (b) For a period of 36 months after the acceptance of the stores, if any defects are discovered therein or any defects therein found to have developed under proper use, arising from faulty stores design or workmanship, the Contractor shall remedy such defects at his own cost provided he is called upon to do so within a period of 38 months from the date of acceptance thereof by the purchaser who shall state in writing in what respect the stores or any part thereof are faulty.
   (c) If, in the opinion of the purchaser, it becomes necessary to replace or renew any defective stores such replacement or renewal shall be made by the Contractor free of all costs to the purchaser, provided the notice informing the Contractor of the defect is given by the purchaser in this regard within the said period of 36 months from the date of acceptance thereof.
   (d) Should the Contractor fail to rectify the defects, the purchaser shall have the right to reject or repair or replace at the cost of the Contractor the whole or any portion of the defective stores.
   (e) The decision of the purchaser notwithstanding any prior approval or acceptance or inspection thereof on behalf of the purchaser, as to whether or not the stores supplied by the Contractor are defective or any defect has developed within the said period of 38 months or as to whether the nature of the defects requires renewal or replacement, shall be final, conclusive and binding on the Contractor.
   (f) To fulfill guarantee/warranty conditions outlined in clause 4 (a) to (e) above, the Contractor shall, at the option of the purchaser, furnish a Bank Guarantee (as prescribed by the purchaser) from a Bank approved by the purchaser for an amount equivalent to 10% of the value of the Contract along with first shipment documents. On the performance and completion of the Contract in all respects, the Bank Guarantee will be returned to the Contractor without any interest.
(g) All the replacement stores shall also be guaranteed/warranted for a period of 36 months from the date of arrival of the stores at purchaser’s site.

(h) Even while the 36 months guarantee/warranty applies to all stores, in case where a greater period is called for by our specifications then such a specification shall apply in such cases the period of 36 months referred to in para 4 (b) & (c) shall be the ‘asked for’ guarantee/warranty period plus two months.

5. PACKING FORWARDING & INSURANCE:
The Contractor will be held responsible for the stores being sufficiently and properly packed for transport by rail, road, sea or air to withstand transit hazards and ensure safe arrival at the destination. The packing and marking of packages shall be done by and at the expense of the Contractor. The purchaser will not pay separately for transit insurance, all risks in transit being exclusively of the Contractor and the Purchaser shall pay only for such stores as are actually received in good condition in accordance with the Contract.

6. DISPATCH:
The Contractor is responsible for obtaining a clear receipt from the Transport Authorities specifying the goods despatched. The consignment should be despatched with clear Railway Receipt/Lorry Receipt. If sent in any other mode, it shall be at the risk of the Contractor. Purchaser will take no responsibility for short deliveries or wrong supply of goods when the same are booked on 'said to contain' basis. Purchaser shall pay for only such stores as are actually received by them in accordance with the Contract.

7. TEST CERTIFICATE:
Wherever required, test certificates should be sent along with the despatch documents.

8. ACCEPTANCE OF STORES:
(a) The stores shall be tendered by the Contractor for inspection at such places as may be specified by the purchaser at the Contractor’s own risk, expense and cost.

(b) It is expressly agreed that the acceptance of the stores Contracted for, is subject to final approval by the purchaser, whose decision shall be final.

(c) If, in the opinion of the purchaser, all or any of the stores do not meet the performance or quality requirements specified in the Purchase Order, they may be either rejected or accepted at a price to be fixed by the purchaser and his decision as to rejection and the prices to be fixed shall be final and binding on the Contractor.

(d) If the whole or any part of the stores supplied are rejected in accordance with Clause No. 8 (c) above, the purchaser shall be at liberty, with or without notice to the Contractor, to purchase in the open market at the expense of the Contractor stores meeting the necessary performance and quality Contracted for in place of those rejected, provided that either the purchase, or the agreement to purchase, from another supplier is made within six months from the date of rejection of the stores as aforesaid.

9. REJECTED STORES:
Rejected stores will remain at destination at the Contractor’s risk and responsibility. If instructions for their disposal are not received from the Contractor within a period of 14 days from the date of receipt of the advice of rejection, the purchaser or his representative has, at his discretion, the right to scrap or sell or consign the rejected stores to Contractor’s address at the Contractor’s entire risk and expense, freight being payable by the Contractor at actuals.

10. DELIVERY:
(a) The time for and the date of delivery of the stores stipulated in the Purchase Order shall be deemed to be the essence of the Contract and delivery must be completed on or before the specified dates.

(b) Should the Contractor fail to deliver the stores or any consignment thereof within the period prescribed for such delivery, the purchaser shall be entitled at his option either.

(i) to recover from the Contractor as agreed liquidated damages and not by way of penalty, a sum of 0.5% per week of the price of any stores which the Contractor has failed to deliver as aforesaid or during which the delivery of such store may be in arrears subject to a minimum of 10%, or
(ii) to purchase from elsewhere, without notice to the Contractor on the account and at the risk of the Contractor, the stores not delivered or others of a similar description (where others exactly complying with the particulars, are not, in the opinion of the purchaser, readily procurable, such opinion being final) without cancelling the Contract in respect of the consignment (s) not yet due for delivery, or

(iii) to cancel the Contract or a portion thereof and if so desired to purchase or authorise the purchase of stores not so delivered or others of a similar description (where others exactly if complying with the particulars are not, in the opinion of the purchaser, readily procurable, such opinion final) at the risk and cost of the Contractor.

In the event of action being taken under sub-clause (ii) & (iii) of clause 10 (b) above, the Contractor shall be liable for any loss which the purchaser may sustain on that account, provided that the re-purchase or if there is an agreement to re-purchase then such agreement is made within six months from the date of such failure. But the Contractor shall not be entitled to any gain on such re-purchase made against default. The manner and method of such re-purchase shall be at the discretion of the purchaser, whose decision shall be final. It shall not be necessary for the purchaser to serve a notice of such re-purchase on the defaulting Contractor. This right shall be without prejudice to the right of the purchaser to recover damages for breach of Contract by the Contractor.

11. EXTENSION OF TIME:
As soon as it is apparent that the Contract dates cannot be adhered to, an application shall be sent by the Contractor to the purchaser. If failure, on the part of the Contractor, to deliver the stores in proper time shall have arisen from any cause which the purchaser may admit as reasonable ground for an extension of the time (and his decision shall be final) he may allow such additional time as he considers it to be justified by circumstances, of the case without prejudice to the purchaser’s right to recover liquidated damages under clause 10 thereof.

12. ERECTION OF PLANT & MACHINERY:
Wherever erection of a plant or machinery is the responsibility of the Contractor as per the terms of the Contract and in case the Contractor fails to carry out the erection as and when called upon to do so within the period specified by the purchaser, the purchaser shall have the right to get the erection done through any source of his choice. In such an event, the Contractor shall be liable to bear any additional expenditure that the purchaser is liable to incur towards erection. The Contractor shall, however, not be entitled to any gain due to such an action by the purchaser.

13. PAYMENT:
Contractor’s bill will be passed for payment only after the stores have been received, inspected and accepted by the Purchaser.

14. MODE OF PAYMENT:
Normally payment will be made for the accepted stores within 30 days from the date of receipt of the materials.

15. RECOVERY OF SUM DUE:
Whenever any claim for the payment of, whether liquidated or not, money arising out of or under this Contract against the Contractor, the purchaser shall be entitled to recover such sum by appropriating in part or whole, the security deposited by the Contractor, if a security is taken against the Contract. In the event of the security being insufficient or if no security has been taken from the Contractor, then the balance or the total sum recoverable as the case may be, shall be deducted from any sum then due or which at any time thereafter may become due to the Contractor under this or any other Contract with the purchaser. Should this sum be not sufficient to cover the full amount recoverable, the Contractor shall pay to the purchaser on demand the remaining balance due. Similarly, if the purchaser has or makes any claim, whether liquidated or not, against the Contractor under any other Contract with the purchaser, the payment of all moneys payable under the Contract to the Contractor including the security deposit shall be withheld till such claims of the purchaser are finally adjudicated upon and paid by the Contractor.
16. **INDEMNITY:**
The Contractor shall warrant and be deemed to have warranted that all stores supplied against this Contract are free and clean of infringement of any Patent, Copyright or Trademark, and shall at all times indemnify the contractor against all claims which may be made in respect of the stores for infringement of any right protected by Patent Registration of design or Trade mark and shall take all risk of accidents or damage which may cause a failure of the supply from whatever cause arising and the entire responsibility for sufficiency of all means used by him for the fulfillment of the contact.

17. **ARBITRATION:**
Any disputes that arise during the execution of contract will be mutually discussed and settled between NESAC Contract-In-Charge/Focal Person and Service Provider. Any dispute that remains unresolved thereafter will be referred to a one-man Arbitrator, appointed by Director, NESAC, Umiam, Meghalaya in accordance with Arbitration & Conciliation Act 1996 as amended from time to time, whose decision shall be final and binding on both the parties.

18. **COUNTER TERMS AND CONDITION OF SUPPLIERS:**
Where counter terms and conditions printed or cyclostyled conditions have been offered by the supplier, the same shall not be deemed to have been accepted by the Purchaser, unless specific written acceptance thereof is obtained.

19. **SECURITY FOR PURCHASE OF MATERIALS:**
Successful tenderer will have to furnish in the form of a bank guarantee or any other form as called for by the purchaser towards adequate security for the materials and properties provided by the Purchaser for the due execution of the Contract.

20. **BENEFITS EXTENDED BY MINISTRY OF MICRO, SMALL AND MEDIUM ENTERPRISE (MSME), GOVERNMENT OF INDIA**
In order to avail of the benefits extended by Government of India to the Micro, Small and medium Enterprises, bidder should submit self attested copy of valid certificate of registration for specific services asked in the tender by any authority so authorized by Ministry of Micro, small and Medium Enterprise (MSME), Government of India to issue such certificate. Bidder will be required to produce original certificate when called for to do so by NESAC.

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SUBMISSION OF TENDER

The bid is required to be submitted in **two parts**. One part is the **Technical Bid** and the other part is the **Price Bid**.

The Bidder shall submit the bids in two separate envelopes. One envelope shall contain Technical bid and the other shall contain the Price bid. The bidder shall seal the Technical Bid and the Price Bid in two separate envelopes. Both the envelopes shall then be sealed in one outer (main) envelope along with EMD and Tender Fee and superscribed **Tender No. NESAC/1236/2020 for ‘Upgradation of SILKS Web Hosting platform at Central Silk Board, Bengaluru’.** The main envelope must be sent to **The Sr. Administrative Officer, I/C Purchase Division, North Eastern Space Applications Centre (NESAC), Government of India, Department of Space, Umiam - 793103, Meghalaya.**
**PRICE BID**

Sirs,

I/We hereby offer to supply the stores detailed herewith/below at the price hereunder quoted and agree to hold this offer open till............................I/We shall be bound to supply the stores hereby offered on the issue of the Purchase Order communicating the acceptance thereof on or before the expiry of the last mentioned date. You have the liberty to accept any one or more of the items of stores tendered for any portion of any one or more of items of such stores. I/We not withstanding that the offer in this tender has not been accepted in whole, shall be bound to supply to you such items and such portion or portions of one or more of the items as may be specified in the said Purchase Order communicating the acceptance.

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<thead>
<tr>
<th>Sl. No.</th>
<th>Description</th>
<th>Technical Specification</th>
<th>Qty.</th>
<th>Unit price (₹)</th>
<th>Tax/GST %</th>
<th>Amount (₹)</th>
<th>TotalAmount (₹)</th>
</tr>
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<tbody>
<tr>
<td>1</td>
<td>Server</td>
<td>2 x Intel Xeon-Gold 5215 (2.5GHz/10-core/85W), 64GB Memory, 2 x 1TB SAS 12G Midline 7.2K SFF (2.5in), Dual Port 10G Card/16 GPs FC HBA/3 Years Warranty</td>
<td>2 Nos</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Storage</td>
<td>Storage with 10TB Usable Capacity</td>
<td>1 No</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>Backup Server</td>
<td>Intel Xeon-Silver 4210 (2.2GHz/10-core(2.2GHz/10-core/85W) /32GB Memory, 2TB x 6 Nos. SAS 12G Midline 7.2K SFF (2.5in), Dual Port 10G Card,3 Years Warranty</td>
<td>1 No</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>4</td>
<td>Backup Software</td>
<td>10 TB Backup Software for back of 2 Servers with 3 Years support</td>
<td>1 No</td>
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<tr>
<td>5</td>
<td>10G Switch</td>
<td>12 Port 10G Switch with 3 years Warranty</td>
<td>2 Nos</td>
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**कुल/Total**

**छूट/Discount**

**कुल/Total after Discount**

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<thead>
<tr>
<th>Taxes &amp; other duties (Specify the percentage %)</th>
<th>%</th>
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I/We have understood the terms and conditions of the contract and the instructions of tenderers annexed to the invitation to tender and have thoroughly examined the specification/drawing and/or pattern quoted or preferred to herein and/or fully aware of the nature of stores required and my/or offer is to supply the stores strictly in accordance with the requirements subject to the terms and conditions contained in the purchase orders communicating the acceptance of this tender either in whole or in part.

Date: Seal and Signature of the Tenderer

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निविदाकार के सुहार्व उपस्थिति

Date: Seal and Signature of the Tenderer