

Government of India  
Ministry of Science and Technology  
Department of Science and Technology  
NRDMS & NSDI Division  
East block -7, Level-5, Sector-1, R.K. Puram New Delhi-110066

Open Tender No.2/9/2016-NSDI-Hardware

Dated: 6th November, 2017

To

All Eligible Vendors

**SUBJECT: SUPPLY, INSTALLATION & COMMISSIONING OF BLADES SERVERS, BLADE CHASSIS, SAN STORAGE AND OTHER NECESSARY ACCESSORIES AS A BUNDLE OF SOLUTION FOR GEO SPATIAL SERVICES OF NSDI.**

National Spatial Data Infrastructure (NSDI), DST on behalf of the President of India invites on-line quotations on CPP website (<https://eprocure.gov.in>) from eligible vendors for Supply, Installation & Commissioning of Blades Servers, Blade Chassis, SAN Storage and other necessary accessories as a bundle of solution for Geo Spatial Services. Details of the Quantity of Equipment and Scope of Work are given at Annex-I and item-wise related technical specifications are given at Annex-II. All the eligible vendors are requested to submit quotations for the items mentioned in Annex-I as per the specifications given at Annex-II.

2. The General Terms and Conditions for submitting the quotations are available overleaf. The bidding procedure shall be a single stage - two bid system and bid documents are to be prepared in two parts as under: -
  - Part-1 (Technical Bid)
  - Part-II (Price Bid)
3. Part-1 (Technical Bid) - The Technical Bid shall comprise of the following: -
  - 3.1 Name of the Firm, Address, and its registration and taxation details with all credentials
  - 3.2. Details of credentials in support of qualification criteria as mentioned in General Terms and Conditions
  - 3.3 Technical details as per Annex I and II
  - 3.4 Scanned copies of Tender Fee and EMD
  - 3.5 Authorised Dealership certificate, if the firm is an authorised dealer of the items.
  - 3.6 Methodology and Implementation Plan at NSDI
  - 3.7 Any other relevant information that the firm deems it fit to provide.
4. Part-2 (Price Bid) The Price Bid should be submitted in an Excel file as per the enclosed BOQ format with the tender document in the CPP Portal.
5. Firms or their authorized representatives can attend the opening of the bids at NSDI office at the specified time of opening of the tender. The authorized representative attending the process of opening of tender should carry with him/ possess the authorization letter from the firm. They could also view the on-line quotation opening process at their premises.

6. The Tender will be evaluated as per the Terms and Conditions mentioned herein.
7. The Tender fee is Rs. 1000/- (Rupees One Thousand only) which is required to be submitted by post/ through Firm Representative preferably before the date fixed for opening of the quotations in the form of demand draft in favour of DDO (Cash), Department of Science and Technology payable at New Delhi.
8. The Tender can be obtained from the NSDI Office without cost before the due date of submission. The Tender document can also be downloaded from DST website [www.dst.gov.in](http://www.dst.gov.in) or NSDI website [www.nsdindia.gov.in](http://www.nsdindia.gov.in) or the CPP website.
9. EMD: Earnest money amounting to Rs.1,00,000/- (Rupees One Lakh Only) in the form of Bankers Cheque/ Account Payee Demand Draft of Nationalized Bank/ Commercial Bank drawn in favour of D.D.O (Cash), Department of Science & Technology is required to be submitted by post/through representative preferably before the date fixed for opening of the quotations.
10. SECURITY DEPOSIT: The successful Tenderer shall furnish the security deposit to DST within 2 weeks after placement of order at the rate of 10% of the order value, failing which the EMD will be forfeited automatically, without any notice. Detailed information on security deposit may be seen at the General Terms and Conditions of the Tender.
11. NSDI, DST reserves the right to amend or withdraw any of the Terms and Conditions contained in the Tender Document or to reject any or all the tenders as a whole or in part without giving any notice or assigning any reason thereto.
12. The Addendum/ Corrigendum if any will be uploaded on the aforesaid websites of the Department or the CPP. NSDI may arrange pre-bid meeting(s), if necessary, on the basis of requests received from interested vendors within 7 working days of the publication of this tender. Date of pre-bid meeting will be announced on the NSDI website. No individual communication will be made with the vendor for this purpose.

**Note:**

**The Last date of submission of Tender – 1<sup>st</sup> December, 2017**  
**The Date of Opening of the Tender – 1100 hrs on 4<sup>th</sup> December 2017**

Sd/-  
(Agusthia Minj)  
Under Secretary to Government of India  
Phone: 011- 26182973, 011-26177249  
Fax: 011- 26169135

Copy to:

DST/NSDI: For posting the complete Tender Document on Department's website [www.nsdindia.gov.in](http://www.nsdindia.gov.in) or [www.dst.gov.in](http://www.dst.gov.in) or [www.eprocure.gov.in](http://www.eprocure.gov.in) and participating firms may download the complete document.

**GENERAL TERMS AND CONDITIONS**

**SUPPLY, INSTALLATION & COMMISSIONING OF BLADES SERVERS, BLADE CHASSIS, SAN STORAGE AND OTHER NECESSARY ACCESSORIES AS A BUNDLE OF SOLUTION FOR GEO SPATIAL SERVICES OF NSDI.**

- A. The online quotation should be submitted on or before the specified date in the enquiry letter addressed to the Under Secretary, NSDI, Level-5, East block -7, Sector-1, R.K. Puram, New Delhi-110066.

**THE COVER SHOULD BE SUPERSCRIBED WITH THE FOLLOWING**

**“SUPPLY, INSTALLATION & COMMISSIONING OF BLADES SERVERS, BLADE CHASSIS, SAN STORAGE AND OTHER NECESSARY ACCESSORIES AS A BUNDLE OF SOLUTION FOR GEO SPATIAL SERVICES OF NSDI.”**

- B. This office takes no responsibility for delay, loss or non-receipt of quotations/ documents sent by post whereas reserves the right to accept or reject any part of the tender without assigning any reason.
- C. Corrections if any must be attested. All rates shall be indicated both in words as well as in figures, where there is a difference between rates quoted in words and figures, rate quoted in words will prevail. The firm has to submit the signed copy of the Terms and Conditions along with the quotation. The submission is for the acceptance of the general terms and conditions without which the quote would be rejected.
- D. EMD: Earnest money amounting to Rs.1,00,000/- (Rupees One Lakh Only) in the form of Banker's Cheque/ Account Payee Demand Draft of Nationalized Bank/ Commercial Bank drawn in favour of D.D.O., Department of Science & Technology should accompany the tender. Tender without EMD shall be summarily rejected (EMD exemption is applicable as per norms for the said items). The earnest money should initially be valid up to 90 days beyond period of bid validity. The earnest money of unsuccessful bidders will be returned on finalization of tender. The earnest money of successful bidders will be returned on receipt of Security Deposit or it may be adjusted in the security deposit if requested by the tenderer.
- E. SECURITY DEPOSIT: The successful tenderer shall furnish the security deposit within 2 weeks after placement of order at the rate of 10% of the order value, failing which the EMD will be forfeited automatically, to DST, without any notice. The security deposit shall be furnished in the form of Demand Draft/ Bank Guarantee drawn in the favour of DDO, Department of Science & Technology and should be valid for 27 months. The security deposit will be returned in full on completion of successful guarantee/ warranty period.
- F. RIGHT OF ACCEPTANCE: This office reserves the right to reject the lowest tender or any or all the tenders without assigning any reason whatsoever.
- G. QUOTATIONS VALIDITY: Quotation should be valid for a minimum period of six months after the date of publication of tender.

#### H. QUALIFICATION CRITERIA FOR VENDOR

- Vendor should be either original equipment manufacturer or authorized dealer of reputed and established brand manufacturer. The original manufacturer/ authorized dealership certificate duly should be signed and submitted by post/ through representative before fixed date of opening of quotation. Organisation details may also be provided as per the format of **FORM-4 enclosed at Annex IV**.
- Vendor/ OEM should have been dealing in the Supply, Installation and Commissioning of the Blade Servers etc for the past five years and should have supplied the same to any Ministry/Govt. Department/Autonomous bodies. (Work order is to be attached). details may also be provided as per the format of **FORM-1 & FORM-2 enclosed at Annex IV**.
- Vendor/OEM should not have been debarred or blacklisted by any Central / State Government Departments in India. A self-declaration is to be attached.
- Details of Technical and Administrative manpower may be provided as per the format **FORM-3 enclosed at Annex IV**.

#### I. EVALUATION CRITERIA

The Solution proposed by the pre-qualified vendors will be technically evaluated by NSDI Technical Evaluation Committee. The Technical Committee has full rights to set the Technical Evaluation Criteria as per the national standards. The Committee also have the full rights to accept/ overrule any deviation in the technical specifications mentioned in Annex-II.

The Committee may ask the vendors to demonstrate the proposed the Solution. The vendor is expected to demonstrate the technical capability of his solution proposed. On completion of the technical evaluation, financial bids of the technically-qualified tenders, will be eligible for opening and evaluation for selection of the final bidder.

- J. QUALIFYING BID: The technically qualified tender who quotes the lowest bundle cost will be declared as qualifier on the basis of L1 provided the bidder has submitted all the required documents mentioned in the tender document.

- K. GUARANTEE TERMS: The tenderer should provide warrantee/guarantee for minimum **THREE YEARS** with on-site training and support. Any part failing during the warranty/ guarantee period shall be repaired /replaced/installed free of charge by the supplier at the installation site.

#### L. PRICE & STATUATORY DUTIES:

1. The price quoted in BOQ should exclude all taxes.
2. No additional/separate cost for installation, commissioning, licensing, maintenance etc will be considered. The tender will be evaluated on the basis of the lowest bundle of cost amongst the technically qualified bidders.
3. GST/ Sales tax and / or other duties and levies where legally leviable and intended to be claimed should be distinctly and separately mentioned in the

quotation. Where it is not done, no claim for Sales Tax / Service Tax will be admitted at any later stage and on no ground whatsoever.

4. GST/VAT/CST registration No. and date of its validity should be mentioned.

5 This office will not issue any Form such as 'C', 'D' etc.

M. DESPATCH INSTRUCTIONS: The firm will dispatch the materials by road under insurance cover and freight paid by tenderer.

N. DELIVERY PERIOD: Materials should be supplied by the tenderer within 2 weeks from the date of issue of purchase order at NSDI, Level 5, East Block 7, Sector 1, R.K.Puram, New Delhi - 110066.

O. LATE DELIVERY CHARGES: If the delivery of the material is delayed by more than the specified time, 0.5% of the total amount will be charged per week subject to maximum of 10% of the ordered value.

P. PAYMENT TERMS:

1. Payment will be made after completion of supply, installation & testing of the items and submitting the invoice. No advance payment will be made.
2. Payment will be in Indian Rupees.
3. Payment will be made in the name of the Company.

Q. ADDITIONAL/REDUCED QUANTITY: NSDI reserves the right to place order for additional/ reduced quantity of the ordered quantity at the same rates and terms and conditions till the validity of the quotation.

R. The tender should have valid Sales Tax/Service tax number. It is required to mention Sales Tax/Service tax Numbers and enclose a copy of the registration.

S. DOCUMENTATION: One copy each of operational and service manuals shall be supplied along with the equipment in the event of order being placed. All associated software should be supplied in original CD/DVD licensed to NSDI along with one set of Hard copy document on operational methods.

T. ENCLOSURES:

The firm must submit the following enclosures along with the tender.

1. Financial bid with all quoted items as per excel format enclosed.
2. Technical manuals/ detailed technical literature/ catalogues for all the offered products.
3. Signed copy of all documents by the authorized person. Printed terms and conditions of tendering firms will not be considered as forming a part of their tender.
5. Any other document mentioned elsewhere in the tender document.

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6. The tender is liable to be rejected in the absence of the above enclosures with the sole responsibility of the tenderer.

U. Tender documents can also be downloaded from the NSDI's website [www.nsdindia.gov.in](http://www.nsdindia.gov.in) or Department's website [www.dst.gov.in](http://www.dst.gov.in) or the CPP website and used for submitting the bids along with the fee of tender cost.

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**SUPPLY, INSTALLATION & COMMISSIONING OF BLADES SERVERS, BLADE CHASSIS, SAN STORAGE AND OTHER NECESSARY ACCESSORIES AS BUNDLE OF SOLUTION FOR GEO SPATIAL DOMAIN OF NSDI.**

CHECK LIST

Please ensure to check the following before submitting the quotations as otherwise the quotations are liable to summary rejection.

1	PRICE	Prices quoted both in figures and words are correct. However prices quoted in words will prevail, if there is any difference
2	VALIDITY	For a minimum of six months
3	PAYMENT TERMS	No advance will be provided, payments will be made after receipt of the materials in good working condition and satisfactory performance after installation as acceptable to this office.
4	DELIVERY PERIOD	Material should be delivered within 2 weeks from the date of supply order
5	PAKAGING/FORWARDING CHARGES	Should be clearly indicated. Mentioning "EXTRA" will not be acceptable. Delivery is to be made at NSDI, RK Puram, New Delhi – 110066.
6	LAVIES/TAXES	Levis/Taxes if any are to be clearly mentioned.
7	TRANSIT INSURANCE	Clearly indicate as per clause "L" of GTC
8	ENCLOSURE	As per clause "S" of GTC
9	PAN/TIN	REGISTRATION COPY OF GST, PAN, TIN, ST TO BE ENCLOSED
10	DUE DATE	1.12.2017
11	OPENING DATE/TIME	4.12.2017

Annex-I

Quantity, Scope of Work

- I. Supply, installation & Commissioning of Blades Servers, Blade Chassis, SAN Storage and other necessary accessories as bundle of solution for Geo Spatial Domain of NSDI as per format given below:

Item No.	Item	Description (Make, Model Number, Brochure & data sheet may be enclosed as Annexure)	Qty.
1	Blade Chassis		1
2	Blade Server with GPU expansible Node		2
3	Blade Server		5
4	SAN Storage		1
5	Windows Server 2016 Enterprise (64bit)-server based license		7
6	Rack and other internal wiring		1

- II. One-time configuration & operationalization of all equipment's as per requirements of NSDI.
- III. Supplied equipment shall be configured and integrated to work for all functions with the existing equipment & GIS applications. Therefore bidder will specifically **ensure the interoperability/ compatibility with existing/advanced security solutions (IDPS, Firewall, Router at HA) and other GIS related applications ( OGC Web Services etc) before quoting a particular model of any equipment.**
- IV. The Bidder have to submit the **buy back price** of existing hardware as mentioned below:-

Sl. No	Description	Quantity
1.	HS22 Chassis blade capacity with CD/ DVD Rom, writer	One
2.	Blade Model 7870 Configuration Processor type: Xeon Dual Core Processor Speed:2:13GHZ RAM in each Blade: 16 GB Hard Disk Drive 146*2 GB Available Disk Space	Six

- V. The buy back system will be handed over after the six months fully operationalisation of proposed hardware and mentioned at para -'I'.
- VI. The OEM warranty of the equipments supplied shall be for 3 Years (on-site) from the date of commissioning. The warranty shall include all software licenses, subscription, updates and upgrades for 3 years.
- VII. Proposed solution should support provisioning virtual, physical and container infrastructure from pools of compute, storage and networking resources.
- VIII. The proposed solution must also be compatible with the latest versions of Red Hat Enterprise Linux, Windows Server, Eucalyptus Enterprise Edition, OpenStack and OpenNebula etc and also should support the cloud enable architecture.
- IX. **There should not by any hidden cost.** Additional/separate cost for installation, commissioning, licensing, maintenance etc. will not be considered for the initial three years.

Annex-II

Technical Specifications

Item No. 1                      Blade Chassis

S. No	Description of Requirement	Compliance (Yes/No)	Remarks (Deviation if any-Reason)
1	Solution to house the required number of blade servers in smallest number of enclosures. Industry standard suitable for housing in Standard Server Racks. Chassis should include internal Network switches and should not only include Blades with shared power supply. Chassis should not be a End of Sale product or should not go End of Sale in next 3 years.		
2	Chassis should support 2 socket and 4 socket Xeon Scalable processors and storage blades		
3	Should have support for full height and half height blades in the same enclosure, occupying a max of 10U rack height		
4	Should support Hot Pluggable & Redundant Management Modules with onboard KVM functionality.		
5	The Chassis should support minimum 12 no of 2 socket blades. Any OEM providing lesser no of blades in the chassis, should provide additional chassis with same interconnect modules to meet the requirement from Day 1 itself		
6	Should be able to accommodate the blade servers of specifications mentioned in the proposed blade enclosures. The proposals must offer the densest packaging possible for the blade servers in the enclosure and maximum headroom for future expansion in the offered enclosures. The Blades should support at least 24 DIMM Slots with the highest Core Configuration supported.		
7	Support simultaneous remote access for different servers in the enclosure.		
8	Should support built-in management software appliance in redundancy with separate management network from production network		
9	Should support technology built-in to every chassis for Auto-Discovery of resources		
10	Should have chassis management and storage management functionality to operate the server in both in-band and out-of-band. Must be part of the		

	proposed solution.		
11	<p>Interconnects support:</p> <ul style="list-style-type: none"> <li>• Should support housing of FCoE, Ethernet, FC and SAS interconnect fabrics offering Hot Pluggable &amp; Redundancy as a feature.</li> <li>• All the switching/interconnect for blade server should be internal to Blade Chassis and should be able to connect with external SAN storage box.</li> </ul>		
12	Blade Server Interconnect to LAN/ Network: The enclosure should support network switches in redundancy with minimum 12 no of 10 GbE uplink ports , up-linkable to the data center switch.The Switch should be a L3 Switch with Converged support		
13	Blade Server Interconnect to Fiber Channel SAN : The enclosure should support Fiber Channel SAN switches with at least 8* 16Gb FC uplinks and also at least 16Gb downlinks to all server bays.		
14	Power Supply :The enclosure should be populated fully with power supplies of the highest capacity available with the vendor. Power supplies should support N+N as well as N+1 redundancy configuration, where N is greater than 1		
15	Cooling :Each blade enclosure should have a cooling subsystem consisting of redundant hot pluggable fans or blowers enabled with technologies for improved power consumption and acoustics		
16	System Software : Management/controlling software's have to be from the OEM.		
17	Power management : Must be able to show the actual power usage and actual thermal measurement data of the servers.		

**Item No. 2 Blade Server with GPU expansible Node**

S. No	Description of Requirement	Compliance (Yes/No)	Remarks (Deviation if any-Reason)
1	CPU : Two numbers of latest generation Intel Xeon Processor E5-2650 v4 12C 2.2GHz 30MB		
2	Motherboard : intel® C610 Series Chipset or better		
3	Memory : 2 X 32 GB DIMMS scalable to at least upto 1.5TB, using DDR4 Reduced DIMM (RDIMM) memory modules.		

4	Hard disk drive with carrier: 2 * 600 GB 10K RPM SAS drives.		
5	Storage Controller: Integrated PCIe 3.0 based 12G SAS Raid Controller with RAID 0, 1		
6	Networking features Dual port 10Gbps Ethernet ports		
7	Interfaces: Minimum of 1 * internal USB 3.0 port and 1* internal SDHC card slot		
8	Blade Server FC Connectivity: Should Have 16Gbps Dual port Fiber Channel HBA internal to the Server Blade.		
9	Bus Slots: Minimum of 2Nos of 3.0 PCIe x16 based mezzanine slots supporting Converged Ethernet, Ethernet, FC adapters, and IB adaptors		
10	GPU Card :NVIDIA Tesla K40 GPU Card on Expansion Node		
11	OS Support :Microsoft Windows Server Red Hat Enterprise Linux (RHEL) SUSE Linux Enterprise Server (SLES) VMware Citrix XenServer		
12	Warranty: 3 year 24x7 4Hour response comprehensive warranty		
13	Provisioning: Essential tools, drivers, agents to setup, deploy and maintain (not the OS) the server should be embedded inside the server. There should be a built -in update manager that can update these tools online.		

14	<p>Server Management:</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Software should support dashboard view to quickly scan the managed resources to assess the overall health of the data center. It should provide an at-a-glance visual health summary of the resources user is authorized to view. <ul style="list-style-type: none"> <li>• Server Hardware</li> <li>• Enclosures</li> <li>• Logical Interconnects</li> <li>• Appliance alerts</li> </ul> </li> <li><input type="checkbox"/> The Systems Management software should provide Role-based security</li> <li><input type="checkbox"/> Management software should support integration with popular virtualization platform management software like vCenter, SCVMM and RedHat RHEV</li> <li><input type="checkbox"/> Should help provide proactive notification of actual or impending component failure alerts on critical components like CPU, Memory and HDD.</li> <li><input type="checkbox"/> Should help to proactively identify out-of-date BIOS, drivers, and Server Management agents and enable the remote update of system software/firmware components.</li> <li><input type="checkbox"/> The Server Management Software should be of the same brand as of the server supplier.</li> </ul>		
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Item No. 3 Blade Server

S. No	Description of Requirement	Compliance (Yes/No)	Remarks (Deviation if any-Reason)s
1	CPU : Two numbers of latest generation Intel Xeon Gold 6126 12C		
2	Motherboard : Intel® C624 Series Chipset or better		
3	Memory: 2 X 32 GB DIMMS scalable to at least upto 1.5TB, using DDR4 Reduced DIMM (RDIMM) memory modules.		
4	Hard disk drive with carrier: 2 * 600 GB 10K RPM SAS drives.		
5	Storage Controller: Integrated PCIe 3.0 based 12G SAS Raid Controller with RAID 0, 1		
6	Networking features Dual port 10Gbps Ethernet ports		
7	Interfaces: Minimum of 1 * internal USB 3.0 port and 1* internal SDHC card slot		

8	Blade Server FC Connectivity: Should Have 16Gbps Dual port Fiber Channel HBA internal to the Server Blade.		
9	Bus Slots: Minimum of 2Nos of 3.0 PCIe x16 based mezzanine slots supporting Converged Ethernet, Ethernet, FC adapters, and IB adapters		
10	OS Support: Microsoft Windows Server Red Hat Enterprise Linux (RHEL) SUSE Linux Enterprise Server (SLES) VMware Citrix XenServer		
11	Warranty: 3 year 24x7 4Hour response comprehensive warranty		
12	Provisioning: Essential tools, drivers, agents to setup, deploy and maintain (not the OS) the server should be embedded inside the server. There should be a built -in update manager that can update these tools online.		
13	<p>Server Management:</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Software should support dashboard view to quickly scan the managed resources to assess the overall health of the data center. It should provide an at-a-glance visual health summary of the resources user is authorized to view. <ul style="list-style-type: none"> <li>• Server Hardware</li> <li>• Enclosures</li> <li>• Logical Interconnects</li> <li>• Appliance alerts</li> </ul> </li> <li><input type="checkbox"/> The Systems Management software should provide Role-based security</li> <li><input type="checkbox"/> Management software should support integration with popular virtualization platform management software like vCenter, SCVMM and RedHat RHEV</li> <li><input type="checkbox"/> Should help provide proactive notification of actual or impending component failure alerts on critical components like CPU, Memory and HDD.</li> <li><input type="checkbox"/> Should help to proactively identify out-of-date BIOS, drivers, and Server Management agents and enable the remote update of system software/firmware components.</li> <li><input type="checkbox"/> The Server Management Software should be of the same brand as of the server supplier.</li> </ul>		

S. No.	Description of Requirement	Compliance (Yes/No)	Remarks (Deviation if any-Reason)
1	Interfaces: Minimum a) 16 Gbps FC host port >=8 b) Device lanes >= 8		
2	Controller: a) Dual Active controllers b) Supporting Hardware RAID - 1, 5, 6 & 10 c) 32 GB cache within the same pair of controllers.		
3	Max nos. of Disk: a) Min. 240 SAS disks scalable		
	Useable capacity required for production: a) 5 TB Useable in SAS 10K or Higher b) RAID 5 c) Any disks required for storage system OS etc should be provided additionally		
4	Power, Cooling & Host Connectivity Power supply & Fans : a) Dual redundant b) Hot-swap Host Connectivity a) Minimum 20 Server supported with Multi-pathing drivers		
5	Mandatory features to be provided: a) Custom LUN b) No single point of failure architecture. c) Hot-spare disks support d) Clone copy / Incremental clone copy e) Point-in-time pointer based copy f) Thin provisioning to be offered for full capacity of the storage. g) Storage Management -should support configuration, error management, administration security and reporting of assists centrally		
6	a) The Storage Array shall support storage based data replication (only support required, feature or hardware not to be quoted)		

Item No. 5 Windows Server 2016 Enterprise (64bit)

S. No.	Description of Requirement	Compliance (Yes/No)	Remarks (Deviation if any-Reason)
1	Compatible with all the blade server and it's h/w environment as well as application domain in all respect		

2.	Depending upon the licensing policy of Microsoft to provision window licensing for the proposed blade server.		
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**Item No. 6 Rack and other internal wiring**

S. No.	Description of Requirement	Compliance (Yes/No)	Remarks (Deviation if any-Reason)
1	42U, 4 post, 19" width. Rack should have sufficient cooling fans and IEC power distribution unit with front and rear doors with lock. The dimensions of the rack must be compatible with all the equipment supplied here and the bidder should be able to install all the equipment supplied within a single rack. Bidder must provide all necessary cables (network and power) and other accessories for installing and connecting the equipment supplied.		
2	The switch shall support role based administration by allowing different administrators different access rights to switch.		
3	The SAN switch should support FC HBA of different OEMs, multiple operating Systems, including, but not limited to HP-UX, IBM AIX, Linux, MS-Window, Sun Solaris etc. The SAN switch should support all leading SAN disk array, VTL and tape libraries including, but not limited to, EMC, Hitachi, HP, IBM, Sun etc.		

Annex-III

Financial Bid

The format for the financial bid should be as per the attached excel table.

**Note: Additional/separate cost for installation, commissioning, licensing, maintenance etc. will not be considered.**