REQUEST FOR PROPOSAL
FOR
SUPPLY & INSTALLATION
OF
Server

General Scope of Work:
Supply & installation of Server in the following location.

Locations of Installation:
Indian Statistical Institute
203 B.T. Road,
Kolkata – 700108,
West Bengal, INDIA

Bill of Materials

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Item</th>
<th>Qty</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Server</td>
<td>1</td>
</tr>
<tr>
<td>2.</td>
<td>3 Years Support of all active components to be populated in Server</td>
<td>1</td>
</tr>
<tr>
<td>3.</td>
<td>Red Hat Enterprise Linux 7 with 4 Sockets + 3 Years Support</td>
<td>1</td>
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### Specification:

#### Server:

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Item</th>
<th>Feature description</th>
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<tbody>
<tr>
<td>1</td>
<td>Processors</td>
<td>The blade server shall be populated with four (4) CPUs with at least 15 cores per CPU, at least 2 threads per core, Clock Speed 2.8 GHz or higher, Cache at least 37.5MB per CPU and processor to processor Speed 8GT/s.</td>
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<td>2</td>
<td>Storage</td>
<td>The blade server should be populated with 2 x 600GB SAS HDDs 10k RPM. It should support four (4) or more front accessible hard disk drives or Solid State Drives (SSD). The Blade should have support for Boot from SAN.</td>
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<td>3</td>
<td>Memory</td>
<td>Populated with 1.5TB of memory with 64GB memory modules (2 x 32GB DDR3 1600Mhz DIMMs). Should support at least 96 DIMM slots per blade scalable up to 6 TB memory with the use of the 64 GB DIMMs.</td>
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<td>4</td>
<td>Network</td>
<td>The Blade server should support Converged Network Adapter, which aggregates both the Ethernet and FC connectivity on a single controller. It should have 80Gb of available bandwidth and should support upto 320 Gb connectivity per server. Should include support for virtualized adapter which can be partitioned into more than 32 NICs or HBAs, in both virtualized or non virtualized environments. In a virtualized environment, the virtualized adapter should support both configuration options of passing through the hypervisor layer &amp; or by passing the hypervisor. Should be able to support VM Direct I/O with vMotion on VMware vSphere5. Adapter and QoS policies can be set and defined for each of the vNICs or vHBAs created in the virtualized adapter.</td>
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<td>5</td>
<td>Management</td>
<td>It should support remote KVM capability from an external keyboard, video monitor and mouse to all blades installed in the chassis through the management controllers. Remote KVM should support up to 4 active sessions.</td>
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<td>6</td>
<td>Environmental</td>
<td>Operating Temperature support from 50 to 95°F (10 to 35°C) and Nonoperating Temperature from -40 to 149°F (-40 to 65°C). Operating Humidity from 5% to 93% noncondensing and Nonoperating Humidity from 5% to 93% noncondensing. Operating Altitude from 0 to 10,000 ft (0 to 3000m) and Nonoperating Altitude up to 40,000 ft (12,000m).</td>
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</table>
SERVER Criteria:
The server should be compatible with the existing Cisco UCS (Unified Computing System) 5100 Series Blade Server Chassis and with the existing software of Cisco UCS Manager 2.2(3d).

OEM Eligibility Criteria:
All the active components of the Server should be from the same OEM.
The OEM should be an ISO-9000 and ISO-14001 certified company.

Consortium:
If the Bidder is not a manufacturer he should provide documentary evidence (e.g. Manufacturers’ Authorization Form) for having tied up with all the participating manufacturing agencies.

Tax and Duty Exemption:
The Institute may provide necessary certificates for tax/duty exemption as applicable.

Bid Currencies:
Bids are to be quoted in Indian Rupees only.

Cancellation of Tender:
1. The Institute may cancel the tender processing at any point of time prior to the issuance of purchase order without assigning any reason whatsoever for unforeseen and unavoidable circumstances.

2. The Institute may also cancel the tender processing for want of any participating Bidder or if all the participating Bidders fail to qualify eligibility in terms with technical or other reasons.

Technical & commercial bids should be submitted in separate sealed envelopes mentioning the contents on it. Any Technical Bid not containing the above specifications may be rejected. The Technical Bid should not contain any price information; such proposal will be rejected.
Bill of Materials

(To be included in Technical Bid)

The Bidder should provide Bill of Material (details of all Modules/Server Processors / Components of Hardware including those bought-out, off-the-shelf or third-party products / items required) Module-wise, in the following format.

<table>
<thead>
<tr>
<th>Module/Item</th>
<th>Description</th>
<th>Make/ Model/ Version Part Number</th>
<th>Principal Vendor/ Manufacturer</th>
<th>Quantity/ No. of Licenses per installation</th>
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Signature of Bidder :
Name :
Business address :
Place :
Date :
# Bill of Materials

*(To be included in Commercial Bid)*

<table>
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<tr>
<th>Module/Item</th>
<th>Make/Model/Version</th>
<th>Principal Vendor/Manufacturer</th>
<th>Quantity/No. of Licenses per installation</th>
<th>Unit Price</th>
<th>Total Price without Tax</th>
<th>Tax %</th>
<th>Tax Estimate</th>
<th>Total Price with Tax</th>
</tr>
</thead>
</table>

Signature of Bidder:

Name:

Business address:

Place:

Date:
Quotation Address:
To
The Head
Computer & Statistical Service Center
4th Floor, S.N.Bose Bhaban
Indian Statistical Institute
203 B.T. Road, Kolkata – 700108