

**INDIAN INSTITUTE OF TECHNOLOGY KANPUR, KANPUR**  
**Department of Aerospace Engineering/National Wind Tunnel Facility**

Enquiry No. NWTf/IITK/SM/06

Date: September 07, 2017

**Closing Date: September 22, 2017**

Sealed quotations are invited from manufacturers/authorized dealers/suppliers for the supply of rack mountable servers and listed accessories conforming to the following technical specifications:

<b>Item: 1U Rack Server</b>		<b>Quantity: One</b>
<b>Specifications</b>	<b>Details</b>	
Chassis	1 U Rack Mountable	
CPU	2 x Intel® 8 Core Xeon® E5-2620 V4 (20M Cache, 2.10 GHz)	
Chipset	Intel® C612 Chipset	
Memory	128 GB DDR4 2400 MHz ECC REG	
HDD	2 x 1TB SATA 7200RPM 3.5inch Enterprise HDD Hot Swappable	
RAID Support	RAID 0/1/5/10	
HDD Bays	4 Hot-swap 3.5"HDD Bays Drive Bay for upto Four Drives	
Graphics	Integrated Graphics	
Networking	Intel® i350 Dual port GbE LAN + 1x Mgmt LAN	
Interconnect	FDR (56Gbps) Single Port Infiniband HCA,with cable for connectivity	
Management Software	NMI, IPMI 2.0	
On Board I/O	2x RJ-45 (One for Mgmt), 1x FDR, 2x USB 3.0, 1 x VGA port	
Power Supply	1+1 Redundant 700W (or more) 80PLUS Platinum(Hot Plug) Power Supply	
OS Support	Compatible with RHEL/CentOS 7.x	

<b>Item: 1U Rack Server</b>		<b>Quantity: Four to Twelve</b>
<b>Specifications</b>	<b>Details</b>	
Chassis	1 U Rack Mountable	
CPU	2 x Intel® 8 Core Xeon® E5-2620 V4 (20M Cache, 2.10 GHz)	
Chipset	Intel® C612 Chipset	
Memory	64 GB DDR4 2400 MHz ECC REG	
HDD	1 x 1TB SATA 7200RPM 3.5inch Enterprise HDD Hot Swappable	
RAID Support	RAID 0/1/5/10	
HDD Bays	4 Hot-swap 3.5"HDD Bays Drive Bay for upto Four Drives	
Graphics	Integrated Graphics	
Networking	Intel® i350 Dual port GbE LAN + 1x Mgmt LAN	
Interconnect	FDR (56Gbps) Single Port Infiniband HCA,with cable for connectivity	
Management Software	NMI, IPMI 2.0	
On Board I/O	2x RJ-45 (One for Mgmt), 1x FDR, 2x USB 3.0, 1 x VGA port	
Power Supply	1+1 Redundant 700W (or more) 80PLUS Platinum(Hot Plug) Power Supply	
OS Support	Compatible with RHEL/CentOS 7.x	

<b>Item: Infiniband Interconnect Switch</b>		<b>Quantity: One</b>
<b>Specifications</b>	<b>Details</b>	
Ports	At least 18 x 40Gbps Infiniband Interconnect Hi Speed ports with required number of Interconnect Cables and other accessories	

**Terms and Conditions:**

1. The price of each item should be quoted separately.
2. The prices of nodes should be quoted on per node basis.
3. The number of server nodes to be ordered will depend on the price of a single node and the amount of fund available.
4. The nodes have to be installed in a standard server rack in the data center, computer center, IITK.
5. The newly purchased nodes will have to be integrated with the old nodes using infiniband interconnect to form a single server.
6. A comprehensive onsite warranty for a minimum of three years should be provided on complete nodes.
7. Validity of quotations should be for atleast 60 days.

**Address of Quotation:**

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