

# INDIAN INSTITUTE of TECHNOLOGY KANPUR

## Department of Computer Science & Engineering

IITK/CSE/2015-2016/73

12/02/2016

IIT-K is looking to establish a private cloud. Specifications for the requirement are as stated below.

- 1) **Hyper-converged Infrastructure** for IIT-K to establish a private cloud.
- 2) The proposed hyper-converged infrastructure should have the capability to aggregate direct attached storage (DAS) in to a single large pool of storage accessed by all the nodes in the cluster.
- 3) The hyper-converged solution should support distributed virtual storage controllers with each node acting as an IO processing unit. Each node in the solution should act as a failover for the other.
- 4) The proposed hyper converged solution should support industry leading Hypervisor's like **VMware vSphere, Microsoft Hyper-V & Nutanix Acropolis**.
- 5) Proposed hyper converged solution should support **Cross Hypervisor workflow**.  
For e.g. the solution should be capable of doing seamless **Disaster Recovery** between ESX & AHV clusters.
- 6) No infiniband or proprietary connectors should be required. The solution should work on IP connectivity.
- 7) The distributed storage software should have "**CALL HOME**" support capability.
- 8) Solution should have **One Click Management, One Click Upgrade** (bios upwards) without down time and capacity analysis.
- 9) The proposed solution should have the capability to **vMotion a VM across hypervisors** without impact to any data residing on the VM.
- 10) The proposed hyper converged system should have a **Single Management Console** to manage integrated systems, storage and proposed Hypervisor.
- 11) Licenses for functionalities like **vMotion, VM HA** and **Replication** across two sites should be provided.

Proposed Hyper-converged solution should have the following configuration.

SL. NO	Specification	Quantity												
1.	<table border="1"><tr><td>Processor</td><td><b>Haswell E5-2643v3 (6 Core,3.4Ghz) / E5-2630v3(8 Core, 2.4 GHz)</b></td></tr><tr><td>RAM</td><td><b>128 GB (Minimum)</b></td></tr><tr><td>SSD</td><td><b>800 GB</b></td></tr><tr><td>HDD</td><td><b>4 TB</b></td></tr><tr><td>NIC</td><td><b>Dual Port 10GbE</b></td></tr><tr><td>Form Factor:</td><td><b>1U / 2U</b></td></tr></table>	Processor	<b>Haswell E5-2643v3 (6 Core,3.4Ghz) / E5-2630v3(8 Core, 2.4 GHz)</b>	RAM	<b>128 GB (Minimum)</b>	SSD	<b>800 GB</b>	HDD	<b>4 TB</b>	NIC	<b>Dual Port 10GbE</b>	Form Factor:	<b>1U / 2U</b>	3
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The Quotation for supply and Installation of Private Cloud should be sent in two separate parts in sealed envelope, clearly marked as "Technical Bid" and Financial Bid". The Technical Bid should contain detailed technical specification of the solution being offered. Clearly highlight the technical specification of your product.

The financial Bid should include the detailed price quotation, including the cost of equipment, taxes, service charge, installing charging, if any, **Financial bids will be opened only when Technical Bids are found acceptable**. IIT Kanpur is an educational institute of repute and liable to get maximum educational discount from manufacturer. Please specify any discount Separately.

## GENERAL INFORMATION

1. Institute invites sealed offer in two separate Bid forms (Technical & Financial) from reputed, eligible & resourceful bidders for supply, installation of Server, etc. complete in all respect.
2. At any time prior to the deadline for submission of bid, the Institute may, for any reason, at its own initiative, modify the bid document by amendments. Such amendments shall be uploaded on the website through corrigendum and shall form an integral part of bid document. The relevant clauses of the bid document shall be treated as amended accordingly. It shall be the sole responsibility of the prospective bidders to check the website from time to time for any amendment in the tender document. In case of failure to get the amendments, if any, the Institute shall not be responsible for it.
3. ONE BID PER BIDDER: A bidder is permitted to submit only one bid.
4. Only original equipment manufacturer /Authorized channel partners/Authorized system integrators having letter of support from OEM are eligible to bid.
- 5.If the financial Bid is included in the Technical Bid, then the quotation will be rejected.
- 6.The warranty period should be at least 1 year from the date of installation. A higher warranty may be given preference.
- 7.The Institute is exempted from excise duty and pay a nominal custom duty of 5.15% under Govt.of India notification 10/97 and 51/96 respectively. Custom Duty exemption certificate under notification 51/96 and road permit will be provided if applicable.
8. Payments terms: 90% on installation and 10% satisfactory report
- 9.The Institute reserves the right for accepting and rejecting any quotation without assigning any reason thereof. Also, The Institute reserves the right to reject or accept all or any of the offer made above.
10. Delivery period should not be more than 4 weeks.
11. Quotation must be valid for 60 days.
12. The Penalty @1% per week or part thereof subject to max 10% of the delivery price will be deducted from the balance payment, if supply is not completed within stipulated period.
- 13.All Quotation must reach undersigned on or before **25 February 2016 up to 3.00PM**



Prof. T.V.Prabhakar

[sudeshk@iitk.ac.in](mailto:sudeshk@iitk.ac.in)

Contact No: 0512-2597795

Mailing Address: Prof T.V.Prabhakar  
Room Number 303  
DOAA Building  
Indian Institute of Technology Kanpur  
KANPUR 208016