

CENTRE FOR ATMOSPHERIC SCIENCES

Indian Institute of Technology Delhi

Dated: 19-08-2009

Sub: NIQ HPC Facility Upgrade

Sealed quotations are invited for a HPC facility upgrade.

Specifications for HPC facility upgrade.

1	Master Node:		1
	Processor	2 x Intel® Xeon® E5645 processor (Six-Core/2.4GHz/12M L3 Cache)	
	Chipset	Intel® 5520	
	RAM	24GB DDR3-1333 ECC RDIMM (Max 192GB, 12 DIMMs)	
	RAID	8-port SAS 6Gbps controller with 512MB cache, supports RAID 0, 1, 10, 5 & 6	
	HDD(s)	6 x 1000GB, 7200 RPM, SAS 6Gbps, hot-plug HDDs (configured as 4TB RAID6)	
	Optical	Slim DVD-ROM Drive (Internal)	
	NIC	Dual Gigabit (10/100/1000Mbps Ethernet) onboard	
	Graphics	Matrox G200eW with 8MB	
	Management	IPMI 2.0 compliant with dedicated port, Support for KVM over LAN	
	Ports	1 Serial, 2 USB, 2 x Network, 1 x Management, 1 x Video	
	Chassis	2U rack-mountable with sliding rail kit	
	Power Supply	1+1 redundant, hot-plug power supplies(excluding peripherals)	
	Peripherals	18.5" TFT Color Monitor, keyboard, Optical Mouse	
2	Compute Node:		9
	Processor	2 x Intel® Xeon® E5645 processor (Six-Core/2.4GHz/12M L3 Cache)	
	Chipset	Intel® 5500	
	RAM	24GB DDR3-1333 ECC RDIMM	
	Drives	1 x 500GB, 7200 RPM SATA HDD	
	NIC	Dual Gigabit (10/100/1000Mbps Ethernet) onboard	
	Graphics	Matrox G200eW with 8MB	
	Management	IPMI 2.0 compliant with dedicated port, Supports KVM over LAN	

	Ports	1 Serial, 2 USB, 2 x Network, 1 x Management, 1 x Video	
	Chassis	1U rack-mountable with sliding rail kit	
3	Primary Communication Network		1
		DGS 3100 :24-port 10/100/1000 managed switch with 68Gbps switching capacity. Life time warranty with required cables	
4	Software		
		Open source Cent OS Linux distribution	1
		Open source ROCKS or OSCAR	1
		Open source compilers for fortran 77, 90, 95 , C, C++ , Perl, Java etc	1
		Open source libraries LAPACK, BLAS, FFTW etc	1
5	Services		
		Installation & Commissioning of the HPC Solution	1
		Facility will be maintained by vendor through a System Administrator stationed at CAS, IIT-New Delhi	1

Terms & Conditions:

- i. The quotations must be submitted in separate sealed envelopes "Technical" as well as "Commercial".
- ii. The envelopes should be marked with "Quotation for HPC facility upgrade" and "Technical" as well as "Commercial" separately
- iii. The quotation must reach the following address

Name: Dr. SK Dash
Address: Head, Centre for Atmospheric Sciences
Indian Institute of Technology Delhi
Hauz Khas, New Delhi – 110016

on or before 30-12-2011 at 5:30 P.M.

- iv. Attach Technical Literature.
- v. A minimum of 3 years comprehensive on-site warranty
- vi. The quotation must be submitted in Rupee only.

NOTE: The Institute reserves all rights to accept or reject any or all quotations without assigning any reasons.