

Please refer to Notice Inviting Tender/Bid No. UoA/Physics/FIST/HPC/Sci-Equip-1/2017 dated 11.01.17 for the procurement of **High Performance Computer (HPC) system** for our Department out of the NW (HPC) grant of the FIST programme of the Physics Department, UoA sanctioned by DST, N. Delhi.

There is some change in the specification of **High Performance (HPC) Computer system** kindly instruct to the concerned personnel to upload these.

Kindly also instruct to extend the date as given as below:

Last Date & Time for Submission : 31.08.17 up to 1700 hrs (IST)
Date of opening of Technical bid : 01.09.17 or later at 11.30 hrs (IST)
Indicative date of opening of Financial bid : 01.09.17 or later at 14.00 hrs (IST)

Thanking you,

Yours sincerely,



(Prof. A. K. Rai)

Head, Physics Department
University of Allahabad
University of Allahabad

Enclosure: Specification of **High Performance (HPC) Computer system**.

Summary of modifications in the old HPC Computer in FIST

Master Node:

S. No.		Old	New
9.	Ethernet Port	1 Gbps Ethernet NIC with dual ports or better.	4 x 10G RJ45 Ethernet ports or better
10.	High speed connectivity	QDR Infini Band 40 Gbps or higher. It should be latest version of Infini Band Technology	FDR (56Gbps)/EDR (100Gbps) Infiniband port or higher. It should be latest version of Infini Band Technology

Compute Node

S. No.		Old	New
9.	Ethernet Port	1 Gbps Ethernet NIC with dual ports or better.	4 x 10G RJ45 Ethernet ports or better.
10.	High speed connectivity	QDR Infini Band 40 Gbps or higher. It should be latest version of Infini Band Technology	FDR (56Gbps)/EDR (100Gbps) Infiniband port or higher. It should be latest version of Infini Band Technology

Net Working Components

S. No.	Old	New
1.	Cluster high speed network 10Gbps with 10 ports populated Between any two nodes full bandwidth needs to be realized (Ratio 1:1)	Cluster high speed network FDR (56Gbps)/EDR (100Gbps) Infiniband Switch Between any two nodes full bandwidth needs to be realized (Ratio 1:1)
	Required 10G cables to be provided	Requires necessary Infiniband cables for solution
2.	24 ports Gigabit Ethernet Switch – 2 unit	24 ports Gigabit Ethernet Switch – 2 unit
	10/100/1000 Mbps Ethernet Switch auto sensing of link speed on all ports Required cable to setup separate management network and node provisioning network	1 Gbps Ethernet Switch auto sensing of link speed on all ports Required cable to setup separate management network and node provisioning network

Head, Department of Physics
University of Allahabad

perped
27.2.17

Head,
26/7/17
Head, Department of Physics
University of Allahabad