



SATYENDRA NATH BOSE NATIONAL CENTRE FOR BASIC SCIENCES

[Funded by the Department of Science & Technology, Government of India]

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Ref No.: SNB/ENQ/JC/Comp. Cluster/13-14/1745/WP

Date:29-01-2014.

Dear Sir(s),

Sealed quotations are hereby invited for the following items in two parts (Technical and Commercial bids). One large envelope containing two smaller envelopes containing Part A: Technical Bid and Part B: Commercial Bid need to be submitted separately – Two smaller envelopes should be super-scribed "**Technical Bid**" / "**Commercial Bid**" as the case may be.

Sl. No.	PARTICULARS	Qty
01.	<u>Computer Clusters with following specifications:</u> Master Node Compute Node Hybrid Compute node  See reverse for detailed technical specification	01 no. 06 nos. 01 no.
Technical bid: should contain complete technical information literature/working manual of the quoted item, & current authorization certificate of the manufacturer. Price Bid: In case of imported item C.I.F/C.I.P Kolkata airport price should be mentioned and for indigenous item F.O.R price up to S. N. Bose Centre may be quoted.		
Note:  Attached herewith "Annexure I" (as check list) to be duly filled in by the bidder and should be submitted with the Technical Bid only. Offer received without any of the relevant information / certificate / document asked as per "Annexure I" from sl. nos. 01 to 20 may not be considered. The Centre reserves the right to accept or reject offer of the tenderer. The Centre's decision shall be final and binding on the tenderer. Attached documents should be duly marked.		

Note:-

- 1) The quoted price should be inclusive of delivery and installation charges.
- 2) Validity should be for 90 days from the date of opening.
- 3) Minimum three (3) years onsite warranty is to be provided from the date of installation.
- 4) Payment is subject to after delivery and satisfactory installation.
- 5) Delivery period should be mentioned in the quotation.
- 6) Our ref. no. should be mentioned on top of the quotation envelope.
- 7) The above information should reach this office by **11th February' 2014.**

Thanking you,
Yours faithfully,

S. K. Singh
AR (Purchase)

Cluster configuration

Master Node (01 in number)

- 1x Intel Xeon E5-2600 series 8C processor @ 2.6GHz or higher
- 2x 16GB DDR3-1600 ECC RDIMM (or higher)
- 4x 3TB 3.5" 7.2K RPM SATA HDD
- 1x Slimline DVD-Writer
- 1x 24" LED Monitor, Keyboard and Mouse
- 1x 16-Port Gigabit Ethernet Switch
- 2 x RJ45 LAN ports, USB ports, 1 serial port, 1 serial header, 1 VGA 1x management and 1x 1 DOM power connector
- 2U Rack mount sliding Rail Kit

- Warranty 3 years parts, labour and on-site supports

Compute Node (06 in number)

- 2x Intel Xeon E5-2600 series 8C processor @2.6GHz or higher
- 6x 8GB DDR3-1600 ECC (or higher)
- 1x 1000GB 3.5" 7.2K RPM SATA HDD
- 4U Rack mount Rail Kit

- Warranty 3 years parts, labour and on-site supports

Hybrid Compute node (01 in number)

- 2x Intel Xeon E5-2650 or above, 8C 2.6GHz 20M 8GT/s QPI
- 64GB total DDR3-1600 ECC (or higher)
- 1x 1000GB 3.5" 7.2K RPM SATA HDD
- 3x NVIDIA Kepler K20X GPU cards
- GPU memory 6GB per GPU
- Connectivity between GPU and CPU -Dedicated PCI appropriate Express bus (gen 3.0 or above)
- Rack mount Rail Kit

- Warranty 3 years parts, labour and on-site supports