

| BOSE INSTITUTE<br>KOLKATA |                                    |
|---------------------------|------------------------------------|
| Tender No.                | CAPSS/86/242/(CBM-MUCH- SKG)/16-17 |
| Tender Date               | 05.10.2016                         |
| Tender Type               | OPEN                               |
| Tender Title              | NAT – MCH – Base12 - GbE           |
| Specification             | Please see Annexure - 1            |
| Quantity                  | 01 (one)                           |

|  |  |
|--|--|
| Last Date & Time for submission  | 25.10.2016 at 2.00 p.m.                |
| Date & Time for opening bids   | 25.10.2016 at 3.00 p.m.                |
| Submission of Tender (address)   | CAPSS, Bose Institute, Kolkata 700 091 |
| Venue of bid opening   | CAPSS, Bose Institute, Kolkata 700 091 |
| For any query the interested bidders may contact (Dept./Section/Div./Unit) | 09830489406                            |

#### **General Terms & Conditions**

|   |   |
|---|---|
| Warranty  | 365 days from the date of satisfactory commissioning  |
| Payment terms   | Payment will be made after complete delivery of the instrument in good condition and satisfactory installation                        |
| Delivery schedule   | Within 45 days from the date of order & if any defect of the supplied item is found, it should be replaced immediately from your side |
| Bid security (earnest money deposit) if applicable  | NA  |
| Submission of Performance Bank Guarantee (PBG), if applicable   | NA  |
| Any other information (if applicable)   | NA  |
| <b>Name of the instrument and submission of tender should be mentioned on the envelop positively</b>  |   |
| <b>Director, Bose Institute reserves the right to accept or reject any or all tenders either in part or in full. The reasons of rejecting the tender of a prospective bidder will be disclosed only when enquiries are made</b> |   |

Sr. Prof. & Incharge, Registrar's Office

# Annexure I

## Detailed Technical specifications

The NAT-MCH is the powerful management and data switching entity for all MicroTCA.0 systems:

- Management for
  - 12 AMCs + optional AMC13 in 2nd MCH slot
  - 4 power modules including N+1 redundancy
  - update channel to secondary MCH
- GigaBit Ethernet switching (Fabric A)
- Optional PCI Express (Gen 3) switching (Fabrics D-G)
- Optional SRIO (Gen 2) switching (Fabrics D-G)
- Optional 10GbE (XAUI) switching (Fabrics D-G)
- Front panel uplinks
  - 2x 1GbE (load sharing  supported)
  - optional two CX-4 (SRIO and XAUI) or two SFP+ (XAUI) uplinks
  - 2x SMA for external CLK support (bi-directional)
  - USB console
- Clock generation and distribution by sophisticated clock module

### NAT-MCH-CLK

- Configuration options
  - sconsole (USB, RS232 or Telnet)
  - script File
  - web Browser

- Host based Java GUI for any operating system capable of executing Oracle Java Run-Time Environment (JRE) v1.7 or higher, i.e. Linux, Mac OS-X or Windows