BOSE INSTITUTE KOLKATA	
Tender No.	CAPSS/86/**243**/(CBM-MUCH- SKG)/16-17
Tender Date	22.9.2016
Tender Type	OPEN
Tender Title	NAT – PM – AC600
Specification	Please see Annexure - 1
Quantity	01 (one)
Last Date & Time for submission	18.10.2016 upto 14:00 hrs.
Date & Time for opening bids	18.10.2016 at 15:00 hrs.
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
Name of the instrument and submission of tender should be mentioned on the envelop positively	
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.	

Sr. Prof. & Incharge, Registrar's Office

Annexure – I
(Specification)

Detailed Technical specifications

NAT-PM-AC600

The NAT-PM-AC600 is a high-density and high-efficiency power module (PM) for MicroTCA™ applications. Supplying 600W it is the market's most efficient PM in its single-width full-size form-factor to run today's complex communication systems made of latest processor generations and an increased number of Advanced Mezzanine Cards (AMC™). The NAT-PM-AC600 provides electrical support for the expected workload of 12 AMCs, 2 Cooling Units (CUs) and 2 MicroTCA™ Carrier Hubs (MCH).

EMMC

The NAT-PM-AC60 includes a robust Enhanced Module Management Controller (EMMC) that interfaces the power control functionality via the Intelligent Platform Management Bus (IPMB) to the MCH.

Redundancy and Load Sharing

The NAT-PM-AC600 supports redundancy as well as load sharing modes in accordance with the MicroTCA™ specifications. In case of an input power supply failure the power for the onboard EMMC can be provided by SMP power from other PMs, so that the MCH is able to analyse root cause failure.

LED indicators

Besides the standard indicator LEDs for hot-swap, failure and heart-beat, at its front panel the NAT-PM-AC600 provides a unique light bar indicator, showing the PM's total power load on a 0-100% scale in steps of 10% in real-time.

Applications

The NAT-PM-AC600 is a hot-swappable, fully redundant and highly efficient AC/DC power module. The module's single-width design offers perfect thermal performance and therefore is ideally suited for all air-cooled MicroTCA™ solutions. The NAT-PM-AC600 is fully compatible with any standard compliant FRU being insertable into a MicroTCA™ chassis. The NAT-PM-AC600 could easily serve applications like

- commercial and military (tele-) communications
- automated test equipment
- medical

- video
- security
- industrial machine control
- clustered computing architectures

For N.A.T., the NAT-PM-AC600 is a further and consequent milestone in developing a broad and harmonized MicroTCA™ eco system. The PM serves as a central power converting and conditioning control block for entire sub-racks. N.A.T. offers sophisticated and standard compliant MicroTCA™ systems, either as turn-key solutions or building blocks. This offer is complemented by a large variety of own MCHs, telecom line interface and network processor cards, PrAMCs, I/O cards, chassis, CUs and PMs.