| BOSE INSTITUTE<br>KOLKATA |
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| Tender No. | CAPSS/55/159/(P-VII-SD)/15-16 |
| Tender Date | 18/01/2015 |
| Tender Type | OPEN |

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| Tender Title | **NIM HV supply** |
| Specification | Please see Annexure - 1 |
| Quantity | 01 (one) |

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| Last Date & Time for submission | 08/02/2016 upto 1.30 p.m. |
| Date & Time for opening bids | 08/02/2016 at 2.00 pm |
| Submission of Tender (address) | CAPSS, Bose Institute,<br>Kolkata 700 091 |
| Venue of bid opening | CAPSS, Bose Institute,<br>Kolkata 700 091 |
| For any query the interested bidders may contact (Dept./Section/Div./Unit) | 033 2569 3113 |

| **General Terms & Conditions** |
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| 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 satisfactorily installation |
| Delivery schedule | Within 45 days from 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 | N.A. |
| Submission of Performance Bank Guarantee (PBG), if applicable | N.A. |
| Any other information (if applicable) | N.A. |

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| 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 for rejecting the tender of a prospective bidder will be disclosed only when enquiries are made. |

Sd/-
Sr. Prof. & Incharge, Purchase Cell

## Annexure - I

### 4 Channel NIM Programmable High Voltage Power Supply

**Technical Specifications :**

4 Channel NIM Programmable High Voltage Power Supply (± 8 kV 3mA max. output ranges)

4 channels in 1U NIM module

- □8kV / 3mA output ranges
- Channels with individually selectable positive or negative polarity
- SHV coaxial output connectors
- Common floating return
- Max Ripple smaller than <30mVpp @ 6kV/1mA or 8kV/800µA (100MHz bandwidth)
- 200 mV Vset resolution
- 50 nA Iset resolution
- Under/over-voltage alert, overcurrent and max. voltage protection
- Programmable ramp-up / ramp-down (1-500 V/s)
- Daisy-chain capability
- Graphic colour display
- Local control
- Remote control (USB2.0/RS485/RS232)
- Optional selectable power requirement (12 modules in a 600W NIM crate)
- Channels have common floating return (common return insulated from the crate ground)
- The HV output RAMP-UP and RAMP-DOWN rates may be selected independently for each channels in the range 1-500 V/s in 1 V/s steps.

Safety features should include:

• OVERVOLTAGE and UNDERVOLTAGE warning when the output voltage differs from the programmed value by more than 2% of set value (minimum 10V).
• Programmable VMAX protection limit
• OVERCURRENT detection