

<b>BOSE INSTITUTE KOLKATA</b>	
Tender No.	<b>CAPSS/15/187(P VII/SS)/13-14</b>
Tender Date	<b>29/01/2014</b>
Tender Type	<b>OPEN</b>

Tender Title	<b>16 channel preamplifier</b>
Specification	<b>Annexure 1</b>
Quantity	ONE
Last Date & Time for submission	14/02/2014 upto 2.00 pm
Date & Time for opening bids	14/02/2014 at 3.00 p.m.
Submission of Tender (address)	CAPSS, Block EN 80, Kol. 91
Venue of bid opening	CAPSS, Block EN 80, Kol. 91
For any query the interested bidders may contact (Dept./Section/Div./Unit)	033 2569 3147

<b>General Terms &amp; Conditions :</b>	
Warranty	12 months from the date of satisfactory of installation
Payment terms	Payment will be made after complete delivery of the instrument in good condition and satisfactorily installation.
Delivery schedule	Within 30 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)	
<b>Name of the instrument and submission of tender should be mentioned on the envelope</b>	

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.

Registrar, B.I.

### Annexure - 1

## 16 Channel Preamplifier for Annular Silicon Strip Detector

### Specification

<b>No. of Input Channels</b>	:	16
<b>Input Stage</b>	:	Both Positive and Negative Charge to be amplified
<b>Common Inputs (for 16 channels)</b>	:	Detector Bias Input, Test Pulser Input
<b>Gain Stage</b>	:	Selectable between 25-100 MeV
<b>Output Stage</b>	:	<ol style="list-style-type: none"><li>1. Differential Output to be matched with Shaper Input</li><li>2. Amplitude: <math>\pm 1</math> V</li><li>3. Decay Time: 25 <math>\mu</math>s (approx.)</li></ol>
<b>Bias Voltage</b>	:	$\pm 400$ V
<b>Cables and accessories</b>	:	<ol style="list-style-type: none"><li>1. Preamplifier Power Cable, 5 m</li><li>2. Detector Bias Cable, Lemo RG 174, 2 m</li><li>3. Adapter suitable for Annular Silicon Strip Detector 16 ring / 16 sector</li><li>4. Detector Signal Cable, 25 cm suitable for Annular Silicon Strip Detector 16 ring / 16 sector, Vacuum side</li><li>5. Suitable Vacuum Feedthrough</li><li>6. Airside input signal cable 25 cm with appropriate connector</li><li>7. Output Signal cable 16 channel twisted pair to connect Preamplifier and Shaper 2 m.</li></ol>

