

**Bose Institute
Kolkata**

Tender No.	BI/BIO/15-16/AJG/23/140/15
Tender date	10.04.15
Tender type	Limited

Tender Title	Power pack (low voltage) with Denaturing Gradient Gel Electrophoresis (DGGE) apparatus
Specifications	<p>Denaturing Gradient Gel Electrophoresis (DGGE) Apparatus: The apparatus must perform denaturing gradient gel electrophoresis in a single compact unit.</p> <p>The Gel dimensions (W X H, cm): should be within 17 X 18 cm. Glass Plate Size (W X L, cm): 20 X 20 cm Glass plate thickness (mm): 4 mm Maximum samples / gels: should be 48. Combs should have in-built loading guides.</p> <p>The unit dimension (W x D x H): within 42 x 18 x 46 cm. Casting: Four screws for equal distribution of pressure. Vertical screw-pins should have colour coding to prevent polarity reversal and an option should be present to push gel clamps out of the resting slots to secure glass plates firmly within the PAGE insert.</p> <p>The working temperature range: between 45-70°C In build temperature control unit: to be supplied The temperature uniformity/ stability at 37°C: ±0.05/ 0.02°C. Weight: should not be more than 8 Kg Gradient mixer: should be provided with the unit. Total volume – 100ml; reservoir & mixing chamber vol- 50 ml; outlet port should be 2mm.</p> <p>The quotation should include a standard vertical gel electrophoresis unit to further verify selected DNA from DGGE experiments. The apparatus must perform vertical gel electrophoresis in a single compact unit and should be from the same manufacturer. The specifications of the standard vertical gel electrophoresis unit are as follows:</p> <ul style="list-style-type: none"> (a) 20 x 20 cm dual gel system with glass plates with bonded 1mm thick spacer; (b) Plate dimensions- 20 x 20 x 0.4 cm; (c) Spacer Dimensions (W x H)- 0.6 x 20 cm. <p>Power Supply for Gel Electrophoresis : The power should be 60 W max; Programming Range Voltage: 10-300 V. Current: 10-400 mA, The Timer Operation is 1 min to 999 min, continuous; Resolution: 1V/ 1mA; Display: three digit LED; Dual voltage: 100-240 VAC. Facilities to detect No-load, sudden change in load, overload, over voltage, ground-leak detection, and maximum power output should be available. The apparatus should have both current & temperature protection. Quotation must include two years of warranty.</p>
Quantity	One each

Last date & time for submission	:	01.05.15 upto 1.00 p.m.
Date & time for opening of bids	:	01.05.15 at 2.00 p.m.
Submission of Tender (Address)	:	Office of the Department of Biochemistry, Bose Institute, P-1/12, CIT Scheme VIIM, Kolkata 700054
Venue of bid opening	:	As above
For any query the interested bidders may contact (Dept./Section/Div./Unit)	:	033 2569 3238
General Terms & Conditions ::		
Warranty	:	02 years
Payment terms	:	Payment will be made after complete delivery of the instrument in good condition and satisfactorily installation
Delivery schedule	:	Within 8 weeks 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)	:	
<i>Name of the instrument and submission of tender should be mentioned on the envelope positively.</i>		
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.		

Sr. Prof. & Incharge, Registrar's Office