



# SATYENDRA NATH BOSE NATIONAL CENTRE FOR BASIC SCIENCES

[Funded by the Department of Science & Technology, Government of India]

BLOCK JD, SECTOR III, SALT LAKE, KOLKATA- 700 098

PHONE: +91-(0) 33-2335 5706-08, 2335 3057/61, 2335 0312/1313

FAX: +91-(0) 33-2335 3477/1364

EMAIL: santosh@bose.res.in

Ref: SNB/ENQ/RB/Refrigerated Circulating Bath/13-14/1553/WP

03.01.2014

Dear Sir,

Sealed quotations are hereby invited for the following items in two parts (Technical and Commercial bids). One large envelope containing two smaller envelopes containing Part A: Technical Bid and Part B: Commercial Bid need to be submitted separately –

Two smaller envelopes should be super-scribed “**Technical Bid**”/“**Commercial Bid**” as the case may be.

Sl. No.	PARTICULARS	Qty
01	Microprocessor PID control with automatic tuning and calibration facility. Digital timer for delayed ON / OFF from 1 min to 99 hr 59 min Protection against over-temperature Facility for quick setting of temperature by memory function of up to three frequently used temperature settings. Digital LED display with 0.1°C resolution. Splash-proof keypad and RS-232 interface. The bath should be suitable for both internal and external circulation by using five-speed duplex pump and built-in cooling coil. Isolated design of agitator, heater, and sensor by a baffle plate to minimize the turbulence in the bath fluid and also to protect users and samples against direct contact. Protection against low fluid level and dry running by automatic shut down of the heater together with audible and visual alarms. Corrosion-resistant, seamless, leak-proof, round-cornered, and easy-to-clean stainless steel reservoir with a drain valve. Usage of CFC-free refrigerant (R-134A, R-404A) and a double service valve for leakage prevention. Quick-release front grille for easy cleaning of the condenser. Compact footprints ideal for cramped lab space. Bath volume 10 Liters. Temp. range -25°C to 150°C with stability $\pm 0.05^\circ\text{C}$ Compressor minimum 1/3HP Low Back Pressure with CFC free R-134A refrigerant Minimum bath opening/depth: (W x L, D): 211 x 154, 180 mm. The bidder must have well equipped service center in Kolkata The bidder must have experience of selling this instruments more than 100 units.	01 no.
<b>Technical bid</b> should contain complete technical information literature/working manual of the quoted item, & authorization certificate of the manufacturer. <b>Price Bid</b> - In case of imported item CIF Kolkata airport price should be mentioned and for indigenous item FOR basis up to S. N. Bose Centre, kolkata may be quoted.		

**Note:**

- 1) The quoted price should be inclusive of delivery and installation charges.
- 2) Validity should be for 90 days from the date of opening.
- 3) Minimum one year standard warranty is to be provided.
- 4) Payment is subject to after delivery and satisfactory installation.
- 5) Delivery period should be mentioned in the quotation.
- 6) Our ref. no. should be mentioned on top of the quotation envelope.
- 7) Quotation for the above items should reach this office by **22<sup>nd</sup> January, 2014**

Thanking you,  
Yours faithfully,

S. K. Singh  
AR(Purchase)