



SATYENDRA NATH BOSE NATIONAL CENTRE FOR BASIC SCIENCES

[An Autonomous Institute under Department of Science & Technology, Government of India]

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Ref. SNB/ENQ/PKM/Water Chiller/14-15/1011(WP)

29/10/2014

Sealed quotations is 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.	<u>Recirculating Water Chiller</u> [See reverse for detailed specification.]	01

Note: Attached herewith "**Annexure I**" (as check list) to be duly filled in by the bidder and should be submitted with the Technical Bid only. Offer received without any of the relevant information / certificate / document asked as per "Annexure I" from sl. nos. 01 to 18 may not be considered. The Centre reserves the right to accept or reject offer of the Tenderer. The Centre's decision shall be final and binding on the tenderer. Attached documents should be duly marked.

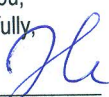
Technical bid should contain complete technical information literature/working manual of the quoted item, & authorization certificate of the manufacturer.

Price Bid - In case of imported item CIF Kolkata airport price should be mentioned and for indigenous item FOR basis up to S. N. Bose National Centre for Basic Sciences, Kolkata may be quoted.

Note:

- 1) The quoted price should be inclusive of delivery charges.
- 2) Validity should be for 90 days from the date of opening
- 3) Minimum one (1) year standard onsite warranty is to be provided.
- 4) Our Payment term is subject to after delivery and installation only.
- 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 item should reach this office by **14th November, 2014**

Thanking you,
Yours faithfully,


S. K. Singh
AR (Purchase)

Sl. No.	PARTICULARS	Qty
	<p><u>Recirculating water chiller with the following specifications:</u></p> <p>Cooling capacity: at least 15kW (5TR) @ 15°C Medium: clean soft water Required medium temperature: 10 to 25°C (low and high temperature alarms) Anti freeze thermostat: required Ambient temperature range: 10 to 45 °C Temperature stability from zero to full load: ±2°C Refrigerant: R407C</p> <p>Flow rate: 60 litres per minute Pressure: 40 to 60 psi., adjustable</p> <p>Water tank capacity: 150 litres Condenser: air cooled Material for tank: SS304 with TIG welded joints, duly insulated Pump: SS304 impeller centrifugal pump coupled with motor</p> <p>Water outlet connection required: 1” BSP with 2 inlets and 2 outlets, individually controllable, but one (1) refrigeration circuit</p> <p>Internal tube: non corrosive, anti scaling, non toxic,</p> <p>Air-cooled Condenser with internally grooved copper tubing, Aluminium fins, with heavy duty exhaust fans Evaporator – Brazed Plate Heat Exchanger</p> <p>Additions: Pressure gauge, level indicator, topup port, overflow port, HP and LP trips</p> <p>Power supply: 3 ph 415V, 50Hz, ±10% for compressor; 1 ph. 230V, 50Hz, ±10% for water pump (1 standby with change over switch) Total power required: no more than 8kW, 15Amps Single phase preventer, motor overload trip</p> <p>It must have been supplied to our and related research centres and working satisfactorily for a couple of years,</p>	01

