

September 4, 2012

Specifications for Chilled Water Circulator

Working temperature range:	-20 to 40 ⁰ C
Temperature control	PID or equivalent
Temperature stability	± 0.5 ⁰ C
Cooling capacity	7000 Watt at 20 ⁰ C 5100 Watt at 0 ⁰ C 3000 Watt at -10 ⁰ C 1550 Watt at -20 ⁰ C
Pump Flow Rate	60 LPM
Pressure	6000 mbar
Display	LED
Display Resolution	0.1 ⁰ C
Filling volume	39 to 47 Liters
Refrigerant	R 404a

Desirable features -

Large Bright LED display
Front removable venting grid
Integrated stainless steel bath tanks
Splash proof key pad
Permissible temperature limit in return line +80⁰ C
Equipped with pressure indicator
Adjustable bypass for pump pressure
Low liquid level protection with optical and audible alarm signal

Terms and Conditions –

1. Please submit the TECHNICAL and FINANCIAL bids in separate sealed envelopes. Mark the two envelopes clearly as “Technical Bid” and “Financial Bid”. Both the sealed envelopes should be sent in a single sealed envelope, clearly marked as “**Quotations for Purchase of Chilled Water Circulator due on 26-09-12**”. The quote should reach the following address on or before 26-09-12, up to 5 PM.

Prof. A. K. Srivastava
Department of Biochemical Engineering and Biotechnology
Indian Institute of Technology Delhi
Hauz Khas, New Delhi-110016

2. Please quote F.O.B. & CIF New Delhi prices separately.
3. Technical bid should contain **compliance chart** based on specifications as per NIQ, but must not contain any commercial information

4. The quotations should be in the currency of the country of origin and should be valid for at least three months.
5. Please attach all the technical literature and a list of similar installations done in India.
6. The warranty on the equipment should be clearly specified.
7. Payment should be through irrevocable letter of credit.
8. If the quote is being submitted by the representative of the Principals/manufacturer themselves, a valid Agency ship/Dealership Certificate authorizing the agent to quote to IIT Delhi on behalf of the Principals should be enclosed.
9. Complete set of manuals for the operation of equipment should be given.
10. Clearly specify the installation requirements—such as space, power, frequency, environment (Temperature and humidity) etc.
11. The institute reserves the right to accept or reject any / all the quotations without assigning any reasons thereof.