

Department of Materials Science & Engineering
Indian Institute of Technology, Kanpur
Call for Quotation: Water Chiller System

DATED: 23/04/2013
CLOSING DATE: 6/05/2013
IITK/MSE/SI/2013-2014/01

This is a call for quotations from the prospective suppliers for the Water Chiller System with the following minimum specifications/requirements for providing cooling water to an e-beam evaporator in the cleanroom of MSE Dept. at IIT Kanpur:

Specifications:

S. No.	Specification	Description
1	Flow rate	1000 liter/hour
2	Heat load (max)	6 kW
3	Water temperature at the inlet of the e-beam evaporator:	$16 \pm 2^{\circ}\text{C}$
4	Tank capacity	35 – 50 liters
5	Material of construction for the water tank and water pump body	SS304
6	The pressure required at the water inlet of the unit requiring chilled water is 2 kg/cm^2	
7	The chiller will have to supply chilled water to the above mentioned evaporator unit located at 100 feet distance from the chiller.	
8	The tubing carrying the water out from the chiller and back to the chiller is already in place. It is 1/2 inch ID, wall thickness (t) 6 - 8 mm, and made of PPR.	
9	The chiller supplier will have to provide thermal insulation for the tube mentioned in the entry no. 8 above as per details below. <ul style="list-style-type: none"> • Out of the total 200 feet of this tubing, the thermal insulation is required only for the 100 feet length which will be outside of the cleanroom. • The chiller supplier must specify the material of insulation as well as the thickness of this insulation. • The temperature inside cleanroom will be maintained at $20 - 22^{\circ}\text{C}$. 	
10	DI water will be used in the chiller.	

Terms & Conditions:

1. Send all technical specifications and application details of the product being quoted along with the quotation. You may highlight any special features of your product along with support evidence/datasheets.
2. A clear drawing for the electrical parts must be provided by the vendor.
3. Prices should include the installation and training cost.
4. Warranty should be valid at least for one year from the date of installation.
5. Validity of quotation should be at least for 30 days
6. Quotation should carry proper certifications like agency certificate, proprietary certificate, etc
7. Any other charges from your side should be specified

Prospective suppliers must submit the technical and financial competitive quotations **in separate envelopes** each sealed separately and both placed together in a larger envelop latest by 6th May, 2013 (6/5/13) to the following address:

Dr. Sarang Ingole
204, Western Labs
Materials Science & Engineering,
Indian Institute of Technology, Kanpur
Kanpur 208016, India