



# भारतीय विज्ञान शिक्षा एवं अनुसंधान संस्थान मोहाली

मानव संसाधन एवं विकास मंत्रालय, भारत सरकार द्वारा स्थापित  
सैक्टर 81, नॉलेज सिटी, पी. ओ. मनोली, एस. ए. एस. नगर, मोहाली, पंजाब –140306

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IISERM(638)16/17 Pur

12<sup>th</sup> April 2016

## TENDER NOTICE

On the behalf of Director, IISER-Mohali, sealed tenders in **TWO BID SYSTEM** { Technical and Commercial separate} are invited, for purchase of following item along with EMD money by DD /Banker Cheque/FDR/ Bank guarantee for Rs 12,000/- and tender fee of Rs 500/- (non-refundable) through DD in favour of the Registrar, IISER Mohali, so as to reach us latest by **03.05.2016** before 1 pm and will be opened on the same day at 4pm.

Sr	Description	Qty
01	Water Chiller with accessories	03

### Specification for water Chiller

Media to be cooled	Soft water
Cooling Capacity	9000 Kcal/hr (3 TR)
Configuration	Single unit/circuit, 3TR*1
Operating temperature	+10 °C to +25 °C
Required Temperature	+ 12 °C
Chilled water Inlet	+ 17° C
Chilled water Outlet	+ 12 °C
Ambient Temperature	+ 45 °C
Refrigerant	R 407C (Eco Friendly), R 22
Water Tank	- SS Construction
	- water capacity 80-120 ltrs
	- Polynitrile Rubber Insulation
Maximum Relative Humidity	100 %
Compressor Model	-Hermatically Sealed
	-Reciprcating
	Make- Danfoss/Copeland/Emerson
Noise Level	70-80 db upto one meter
Water Flow Rate	1600 to 1800 LPH
Condensor (Air cooled)	- Aluminium Finned Copper tube Type
	-Air cooled
Fan	- Heavy Duty
	-Axial Flow
	-F-class insulated Motor

Evaporator	Compact Brazed heat Exchanger Brazed SS Construction
Refrigeration controls and Accessories	-Filter Drier, - Expansion Valves Danfoss make for minimum superheat for Evaporator
Gas piping	Interconnected refrigerant pipe of copper Structural stand for compressor, condenser, liquid receiver, chiller etc
Control Panel	Electro-Mechanical with fault Indications, complete with Rotary switch, contactors, connectors, wiring etc
Safety interlocks	- LP switch & Gauge - HP switch & Gauge - Compressor Overload trip - Digital temperature Controller(Compressor cut in & cut off as per set temperature in the controller) - Water Level Low Trip etc
<b>End connections - Inlet/outlet Installation and commission</b>	1 inch Assembly & installation of the complete Chillers Pressure test with nitrogen for leakage, vacuum test & charging of gas into the Chiller. Instrument cabling up to the control panel, Insulation of Chiller on Shell side up to Flange. Commissioning of the Chiller. - Complete Installation
<ul style="list-style-type: none"> <li>• <b>The Vendor should also supply following items :-</b> <ol style="list-style-type: none"> <li>1 One separate plastic tank of water capacity 500 ltrs.</li> <li>2 Two heavy duty pump for pumping water.</li> <li>3 One RO with one extra filter.</li> <li>4 1 inch black hose pipe with its insulation, clamps and with other required fittings is about 200 meter approx.</li> <li>5 0.25 inch hose pipe with clamps and other fittings is 100 meter.</li> <li>6 Adaptor/Manifold from 1 inch to 0.25 inch with valves etc is 06 numbers.</li> </ol> </li> <li>• <b>The two water chillers should be interconnected to each other such that if one chiller fails we can switch to other chiller manually or automatically. The vendor should quote for both options separately.</b></li> <li>• <b>The vendor should also provide the necessary fittings, valves etc at the time of installation.</b></li> <li>• <b>The outlet of the chiller is 1 inch wide but our inlet of the machine which is to be cooled is 0.25 inch so vendor should also provide the adaptor/manifold from 1 inch to 0.25 inch with valves, clamps and other required fittings as per site requirements.</b></li> </ul>	

## **INSTRUCTIONS**

1. The Quotation should be addressed to the Assistant Registrar (S&P), IISER Mohali should on the top of the envelope invariably give Reference number with due date and time of submission of quotation. Quotation should be submitted directly by the original manufacturer/supplier, If quotation is submitted by any representative/agent/dealer then they must have to produce a authority certificate of principal party for quotating the price otherwise it will be very difficult at this end to consider such quotation.
2. One time importers from China with custom made specifications are highly discouraged.
3. The quantity mentioned in this inquiry is and shall be deemed to be only approximate and will not in any manner be binding on the Institute. Before the deadline for submission of the bid, IISER Mohali reserves the right to modify the bidding document and to extend or not to extend the date of submission. Such amendment/modification will be notified to bidders receiving the bidding document in writing or fax/ email and will also be hosted on IISER Mohali website.
4. The rates offered should be FOR Chandigarh/Mohali in case of firms situated outside Chandigarh/Mohali, and free delivery at the Institute premises in case of local firms. Supplier from outside India should mention the **Ex-works/FOB/FCA/CIF/CIP** price clearly. Conditional tenders will be summarily rejected
5. In case of Ex-godown terms the amount of packaging forwarding freight etc should clearly be indicated by percentage or lump sum amount. Institute has policy **not to make any advance payments** towards any purchase, Letter of credit can be opened if required.
6. THE INSTITUTE IS EXEMPTED FROM EXCISE AND CUSTOM DUTY under notification no- 51/96 – CUSTOM DATED 23/7/1996 AND DSIR REGISTRATION NO TU/V/RG/-CDE(1062)/2011 DT. 02/09/2011 / EXCISE NOTIFICATION NO. 10/97- CENTRAL EXCISE DT. 01.03.1997
7. TAX: - This Institute is not exempted from the payment of Sales Tax/Service Tax/VAT. The current rate (i.e. percentage of Sales Tax should be clearly indicated included or excluded) wherever chargeable. Please also provide the copy of PAN card, TIN number, Service tax number, Sales tax number duly self-attested.
8. The delivery period should be specifically stated. Earlier delivery will be preferred
9. The firms are requested to give detailed description and specifications together with the detailed drawings, printed leaflets and literature of the article quoted. The name of the manufactures and country of manufacture should also invariably be stated. In the absence of these particulars, the quotation is liable for rejection.
10. Validity of offer: 90 days. The warranty period after satisfactory installation should be mentioned and firm should replace all manufacturing defect parts/ whole item under warranty without any extra cost including clearance, freight, taxes. Security deposit/ Bank Performance Guarantee for 10 % of the value of supply order as per norms may be sought from firms.
11. Late or delayed quotation will not be accepted.
12. The right to reject all or any of the quotation and to split up the requirements or relax any or all the above conditions without assigning any reason is reserved. For any corrigendum and addendum our website may please be checked regularly.

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(Mukesh Kumar)  
Assistant Registrar (S&P)