



GAUHATI UNIVERSITY

Department of Instrumentation & USIC

Ref. No. Instr. & USIC/ SAIF/XRD/Chiller/2016/66

Date : 16/08/2016

NOTICE INVITING QUOTATION

Sealed Quotations (should include applicable Taxes) are invited from reputed manufacturers / registered suppliers / dealers for the supply, installation etc of a Water Chiller for Philips (now PANalytical) make X'Pert Pro Powder X-ray Diffractometer (XRD) of Sophisticated Analytical Instrument Facility (SAIF) Guwahati, sponsored by the Department of Science & Technology (DST), Govt. of India and located in Department of instrumentation & USIC, Gauhati University (GU). The quotation is to be submitted to the Head, Dept. of Instrumentation & USIC, Gauhati University within 30 days of publication of this Notice Inviting Quotation (NIQ) in the official website of GU. Specification of the Water Chiller is as follows :

Closed cycle chilled water circulating system with capacity 6500kcal/Hr at operating water temperature of 18 degree c +/- 1 degree C.

Minimum flow rate : 5LPM

Maximum flow rate : 15 LPM

Maximum operating pressure : 4 Bar

Minimum operating pressure : 1 Bar

Minimum operating water temperature 15°C .

Maximum water temperature 25°C

Cooling Load : 4.8 KW at ambient temperature of 45°C

Media soft water

Chiller Power Supply : 3PH, 415V, 50Hz AC or 1PH, 230V, 50HZ AC

Pump : 1Ph 230 VAC .

It should be possible to connect the pump to the output of a suitable UPS while the rest of the chiller is connected to normal electrical power supply without UPS.

10/08/16
17/08/16

(K. C. Sarma)

Professor & Head

Dept. of Instrumentation & USIC

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