

Tender No.: IITK/CHM/VKS/18-19/2

Date: 27th April 2018

Requirement: Low Temperature Immersion Cooler (1 nos.)

Quotations are requested from suppliers for the above item. Please send your quotations by 21st May 2018 to the undersigned in a sealed envelope.

Technical Specifications for Low Temperature Immersion Cooler

Temperature range	: -90 to + 40° C
Temperature stability	: +/- 1° C
Temperature control	: Microprocessor PID
Temp. Control sensor	: DIN (1/3A) Pt100
Temperature Indication	: Digital LCD
Temperature selection	: Touch Screen
Cooling Capacity	: 340 W at + 20 °C 300 W at 0.0 °C 245 W at – 20 °C 210 W at – 40 °C 100 W at – 60 °C 70 W at – 80 °C
Refrigeration system	: Dual stage, Air cooled
Refrigerant	: R23 / R404a
Cooling Coil	: Flexible, 700 x 16 mm dia
Power supply	: 230 V / 50 Hz
Warranty	: At least 3 years from the date of installation
Ventilation	: Suitable & sufficient ventilation from all sides
Vacuum Jacket insulated vessel	: Vacuum Jacketed, insulated vessel 2 Litre capacity.
Magnetic Stirrer	: Magnetic stirrer with ceramic Top plate . and RPM up to 1100
Service	: Free at least up to warranty period

Note:

1. Provide all details about the instrument.
2. Prices should be quoted in Indian rupees and as much as possible should include the cost of shipping to IIT Kanpur.

Prof. Vinod K. Singh

Core Lab. 206B

Department of Chemistry

Indian Institute of Technology Kanpur,

Kanpur – 208016, Uttar Pradesh, India