भारतीय प्रौद्योगिकी संस्थान कानपुर
Indian Institute of Technology Kanpur

ENQUIRY NO: IITK/CHM/17-18/5

ENQUIRY DATE: 25.5.2017

CLOSING DATE: 09.06. 2017

SUB: REQUEST FOR QUOTATION FOR LOW TEMPERATURE IMMERSION COOLER

Dear Sir/Madam,

Kindly send us a sealed quotation (technical and financial bid separately) for the following item. Quotation should be addressed to **Dr. Manas K. Ghorai, Department of chemistry, IIT Kanpur, 208016**, and must reach on or before **09.06. 2017**.

## SPECIFICATIONS FOR LOW TEMPERATURE IMMERSION COOLER

### Technical specifications

| | |
|---|---|
| Working temperature range °C | -90….30 (RT) |
| Temperature stability °C | ±1 |
| Temperature Indication/selection | LED/digital |
| Resolution | 0.1 |
| Temperature control | PID |
| Cooling capacity °C (Medium Ethanol) | In Watt |
| 20 | 300 |
| -20 | 240 |
| -40 | 230 |
| -80 | 50 |
| Pt100 external sensor with 1.5 meter length | Dia.200x6 mm |
| Immersion probe, Flexible Coil Type (H x Ø) cm | 5.6 x 14 |
| Connection Tube Length Cm | 160 |
| Castor Wheel | Inbuilt with Unit for Easy Movement |
| Certification | CE-Certified |
| Alarm | Both Optical and Audible |
| Refrigerant | R23+R404A |
| Warranty | 2 Years |
| Safety Classification | IP21(Protection against dripping water temp.) |
| Weight | Less than 52 Kg |

### Features

| | |
|---|---|
| Keypad | Splash proof membrane Keypad with Inbuiltwater Proof ON/OFF Switch |
| Venting Grid | No side venting.It should be front and back side of machine. Sothat we should keep other instruments together to protect from warm air. |

| | |
|---|---|
| SS Jacketed Vessel | To be supplied along with the Immersion cooler,locally |
| Dimensions(WxLxH) cm | 36-38x53-55x58-60 |
| Catalog | Original |
| Magnetic Stirrer | Ceramic Coated ,CE Certified ,1500RPM with 20 litre stirring facility |

Suppliers offering imported models should have registered with DGS & D and should produce the documentary evidence.

Indigenous manufactures should be NSIC registered company and should attached the certificate with the quotations

All Prices quoted should be FOR IIT Kanpur inclusive of VAT & Delivery charges

Dr. Manas K. Ghorai

SL-208C (Southern Lab)

Department of Chemistry

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