

INDIAN INSTITUTE OF TECHNOLOGY KANPUR
DEPARTMENT OF CHEMISTRY
DATED: 15/10/2015

Kindly send us urgent sealed quotations for the following items against tender number **IITK/CHM/JKB/2015/11**. Quotations should be addressed to Prof. Jitendra K. Bera, Chemistry Department, IIT Kanpur, Kanpur - 208016. Please send technical and financial bids separately. The last date for receipt of sealed quotations is **29/10/2015**.

S. No.	Item	Specifications														
1.	<p>Immersion Cooler (Imported)</p> <p>Description: Immersion cooler designed for temperature application to specific fluids (methanol), in an external vacuum jacketed stainless steel vessel for small reaction at -78°C.</p>	<ul style="list-style-type: none"> • Working temperature range -90 to 30°C • Temperature stability ±1°C • Temperature selection digital • Temperature indication LED • Resolution 0.1 °C • Temperature controller PID type • Power Supply 230V ±10% • Cooling capacity °C (Medium: Methanol) <table style="margin-left: 40px; border: none;"> <thead> <tr> <th style="text-align: center;">°C</th> <th style="text-align: center;">Watt</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">20</td> <td style="text-align: center;">300</td> </tr> <tr> <td style="text-align: center;">-20</td> <td style="text-align: center;">250</td> </tr> <tr> <td style="text-align: center;">-40</td> <td style="text-align: center;">230</td> </tr> <tr> <td style="text-align: center;">-60</td> <td style="text-align: center;">180</td> </tr> <tr> <td style="text-align: center;">-70</td> <td style="text-align: center;">130</td> </tr> <tr> <td style="text-align: center;">-80</td> <td style="text-align: center;">50</td> </tr> </tbody> </table> <ul style="list-style-type: none"> • External sensor Pt100 • Immersion probe Round Coil type • Connection Tube Length 160 cm • Castor Wheel For easy movement • Alarm Optical and Audible • Splash proof keypad and Water Proof ON/OFF Switch • Venting should be only in the rear side of the unit so that other instruments can be kept together without damage from warm air. • Jacketed vessel must be included • Certification from competent authority • Minimum warranty of two years • Installation must be done free of cost • After sales service must be provided • Machine should run efficiently in summer weather • Reputed company with proven track records. 	°C	Watt	20	300	-20	250	-40	230	-60	180	-70	130	-80	50
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