

# Indian Institute of Technology Kanpur

## Materials Science Programme

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ENQ No. MSP/RG/2011-12/04

Date: January 02, 2012

Sub: Inviting quotations for low temperature cryostat and accessories

Quotations are invited for the following items

- 01 Ultra low vibration closed cycle cryostat for Optical Microscopy applications, such as Micro Raman and Micro Photoluminescence in addition to electrical transport measurements with the following features: **01**
- (a) Temperature range: 4-325 K (450-500 K desirable and may be listed as an itemized option).
  - (b) Temperature controller: Model Lakeshore 336 or equivalent with wiring to connect to the cryostat.
  - (c) Floor mounted aluminum stand for the cryostat with XYZ control either on the cold head or the stand (specify clearly in the quote).
  - (d) Two diode based temperature sensors (control and sample temperature measurement).
  - (e) Water cooled compressor with low vibration sample stage.
  - (f) Quartz windows.
  - (g) Specify cooling power and cool down time for the cryostat
  - (h) 10 pin hermetically sealed electrical feedthrough for transport measurements.
  - (i) Any other accessory needed for carrying out low temperature measurements may be listed as optional items.

The quotation should include schematics of the cryostat, specification sheet with detailed performance information. We prefer an itemized quote for all the major units. Any spares such as the adsorber kit and repair kit may also be listed in the quote separately.

Please note the following points while preparing quotations:

1. Mention the guarantee period for the equipment.
2. Send relevant technical literature.
3. Mention delivery and work schedule.

Please send your quotations valid for at least 60 days with detailed specifications on or before January 16, 2012 to the following address:

Rajeev Gupta  
Materials Science Programme,  
IIT Kanpur 208016

Thank you,

Sd/-

(Rajeev Gupta)