

**Enquiry No: MSP/Head/05/2013**

**Dated: August 07, 2013**

Sealed Quotation (Technical & Commercial) must reach to us till 20.08.2013 before 5.00PM and should be sent to Head, Kamal K. Kar, Materials Science Programme, Room # ACMS 204, IIT-Kanpur, 208016. The quotations submitted against the enquiry letter numbered **MSP/Head/05/2013**.

Dear Sir/Madam:

Quotations (Technical & Commercial) are invited for purchase of **“High and low temperature Diamond Anvil Cells”** having following specifications:

**SPECIFICATIONS:**

- Operation in the sub-megabar range
- Temperature operation range for Vascomax or Cu-alloy: 0-550 K. Inconel : 0-1200 K
- Pressure variation at cryogenic conditions: less than 2% of ambient temperature.
- Highest pressure achieved with 0.25 mm culets 100 GPa.
- Backing plate's standard holes are 1.2 mm in diameter and 60° opening. Other holes specifications upon request.
- Resistive heating to 1000 °C
- Comprises a liquid He flow cryostat
- Temperature as low as 4 K
- The system is based on the ST-500 flow cryostat with nominal vibrations not exceeding  $\pm 15$  nm, He consumption of  $\sim 1$  l/hr at 5K(LHe) and 0.1 l/h at 80 K (LN<sub>2</sub>) and operates in the 3.5 - 475 K range.
- Weight of sample to be operated 5-50 mg
- fused-quartz window for Raman/Fluorescence studies
- graphite window for XRD studies
- Equipped with opposite plate DAC
- Equipped Piston cylinder DAC
- Instruments for heating and cooling

**Note: Separate quotations are needed for opposite plate DAC and Piston cylinder DAC**

**Terms & Conditions:**

1. Prices should be on FOB basis, IIT-Kanpur and Final, No further discount.
2. Prices should include the installation cost.
3. Warranty should at least be for three years after installation.
4. Validity of quotation should be at least for 90 days
5. Maximum educational discount, if any
7. Any other charges from your side

Kindly mention **“High and low temperature Diamond Anvil Cells” (MSP/Head/05/2013)** on sealed envelope carrying quotation and printed literature and send your best offer (Technical & Commercial) so as to reach us on or before 20.08.2013 to the following address-

Prof. Kamal K. Kar, Head  
Materials Science Programme  
Room # 204 ACMS, IIT Kanpur – 208016 India,

Email: kamalkk@iitk.ac.in