



Indian Institute of Technology
Department of Biological Sciences and Bioengineering
Kanpur 208 016, INDIA

Dr Ashok Kumar

Associate Professor

Tel: +91-512-259-4051

Fax: +91-512-259-4010

Email: ashokkum@iitk.ac.in

Date: 24-12-2011

Closing Date: 10-01-2012

Reference: IITK/BSBE/2011-12/PG/AK

Subject: Request for submission of quotation/tender for **MODULAR COMPACT RHEOMETER: Dynamic Rotational & Oscillatory Research Grade Rheology Instrument**

Please send a sealed quotation in duplicate for **MODULAR COMPACT RHEOMETER: Dynamic Rotational & Oscillatory Research Grade Rheology Instrument**, for our Department of Biological Sciences and Bioengineering, Indian Institute of Technology Kanpur (IIT K) with specification and requirement as given below. The quotations should include warranty, educational discounts if any, freight charges etc. The quotation should reach our office at below mentioned address on or before **10.01.2012**.

MODULAR COMPACT RHEOMETER: Dynamic Rotational & Oscillatory Research Grade Rheology Instrument

SPECIFICATIONS

- **Modular Compact Rheometer** which can be used for samples of fluid, solid gels, tissues, etc. Rheometer system in modern, compact design with an air bearing supported electronically commutated synchron motor drive system for rheological measurements-with automatic tool recognition and intelligent configuration system (ToolmasterTM)
- **PELTIER TEMPERATUR CONTROL DEVICE**
 - for cone/plate and parallel plate measuring geometries
 - temperature range: -40 to 200 °C (External Circulator can be arranged by the user)
- **RHEOPLUS O+R RHEOMETER SOFTWARE**
 - full version
 - incl. device driver for rotational tests (flow-, creep-, relaxation test)
 - incl. oscillatory test types (stress, strain, multiwave)
 - running under Microsoft Windows 2000/XP/Vista/7
- **SHAFT FOR DISPOSABLE MEASURINGSYSTEMS**
 - D-CP/PP 7; CAP PLATE P-PTD200/56/P2
 - AL, ANODIZED; CROSS KNURLED
 - DISPOSABLE PLATE D-PP20/AL/S07
 - D: 20 mm; 1 PAK = 10 PCS

- DISPOSABLE PLATE D-PP08/AL/S07
- D: 8 mm; 1 PAK = 10 PCS
- DISPOSABLE PLATE D-PP12/AL/S07
- D: 12 mm; 1 PAK = 10 PCS

- **DRYPOINT AIR DRYER WITH AIR FILTER UNIT TO SEPARATE OIL, PARTICLE AND CONDENSATE**
 - to separate oil, particle and condensate fine filter 1 μm and micro filter 0.01 μm dew point at outlet: - 16.7 $^{\circ}\text{C}$
 - volume rate at outlet: 45 l/min
 - working pressure: 4 to 12.5 bars

- **Air Compressor:** Compact Oil free Air Compressor with 100Psi, 3.5cfm Flow rate with necessary tubing and connector & Membrane Air Dryer/filter

- **Computer/Printer:** Branded Computer and laser Printer to operate the instrument with LCD monitor (~26 inch)
 - **Warranty:** One-two years from the date of installation
 - **Installation and demonstration:** Free of charge at the site of use

Dr. Ashok Kumar
Department of Biological Sciences and Bioengineering
Indian Institute of Technology Kanpur, Kanpur-208016, UP, India