



पदार्थ विज्ञान एवं अभियांत्रिकी विभाग
भारतीय प्रौद्योगिकी संस्थान कानपुर
Department of Materials Science and Engineering
Indian Institute of Technology Kanpur
कानपुर - 208 016 Kanpur-208 016

Request for Quotation of Equipment
Enquiry Letter

Equipment: Gas Chromatograph

Enquiry Date: June 12, 2012

Enquiry Number: NRG /MET /20120025/KB/GC-1

Last Date: June 19, 2012

Specifications:

Oven Volume- 15 L (min.), Temperature range RT to 450°C, Temperature set-point resolution 1 °C, Temperature stability 0.03°C Rapid auto cooling without door Opening (Cooling rate (450°C to 70°C in < 9 min)

Detectors Flame Ionization detector with *auto flame out protection* Thermal Conductivity Detector

Injectors Choice of split-less &/or split injectors with purge

Electropneumatic Flow Controls (Computer Controlled Operation) Pressure stability- 0.005 psi, Flow stability- 0.005 ml/min, Max. Pressure Control Point-100 psi, Max. Flow Control Point 100 ml/min)

Instrument Control and Data Analysis Software (Versatile peak detection & editing tools, Bunching, Savitsky, Golay & Adaptive Filtering for noise reduction, Precise Area calculations algorithms)

Columns, Cylinders with regulators (3Nos. Hydrogen, oxygen and nitrogen), Syringes (Two: 1 and 10 mL),

Gas filters (for gas purification)

Pressurized Air collection system (canisters) 4 No. Standard-make Computer (Minimum: 2.2 GHz processor, 250 GB memory, 21 inch screen) **with UPS**

Guarantee Period: 2 years

Please send your quotations in a sealed envelope by Jun. 19, 2012 to:

Dr. Kantesh Balani

Faculty Building, Room 412

Department of Materials Science and Engineering

Indian Institute of Technology Kanpur,

Kanpur-208016, INDIA

Ph: +91-512-259-6194, Email: kbalani@iitk.ac.in