

**CENTRE FOR GENETIC MANIPULATION CROP PLANTS (CGMCP)  
DEPARTMENT OF GENETICS  
UNIVERSITY OF DELHI SOUTH CAMPUS  
NEW DELHI – 110 021**

UDSC/GEN/AKP/2015

December 16, 2015

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Dear Sir,

Sealed quotations are hereby invited for Gas Chromatograph at University of Delhi, South Campus. Please send us the sealed quotation latest by December 30, 2015 with your lowest/best rate. The tender is to be submitted in two parts, viz., technical and financial bids in separate sealed envelopes. Specifications are mentioned below for Gas Chromatograph:

**Gas Chromatograph**

- Fully automated dual channel system
- Touch-screen graphical user interface for instrument operation
- Real-time graphical display of chromatogram
- Programmable pneumatic control (PPC)/ EPC for injector & detector with Twelve PPC zone

**Oven**

- Temperature range 10 °C above ambient to 450 °C
- Cool down time should be less than 5 minutes from 250 °C to 50 °C.
- Temperature program ramping at least 3 to 4.

**Injector options**

**PSSI - Programmable Split/split less capillary injector – 1 No**

- Temperature-programmable inlet
- 50 °C to 450 °C in 1 °C increments
- PPC pneumatics include automatic control of split vent by split flow or split ratio

**Flame Ionization Detector (FID)**

- Operating temperature: 100 °C to 450 °C in 1 °C increments
- Linearity: > 10<sup>6</sup>
- PPC pneumatics – flow control of hydrogen and air
- Flame out warning and leakage warning

**Auto Sampler**

- 15-5
- About 100 vials capacity.
  - Capable to inject sample volume from 0.1  $\mu$ L to maximum 50.0  $\mu$ L

Column: FFAP Column with 30 m length – 1 no. (For Fatty Acid Analysis)

**Other accessories for installation**

Computer

Dell Desktop PC with Core i5 Processor (Intel 4<sup>th</sup> Generation), 8 GB DDR3 RAM, 1 TB Hard Disk/ DVD-Writer, 22" Wide LED Screen, Keyboard & Optical Mouse, LAN, 1 serial port, 4 USB (back side) & 2 USB (front side), Integrated graphics, Windows 7 or higher, UPS

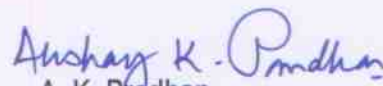
Laser Jet Printer

List of the GC users only should be included with the quotation and mailed to the below mentioned address.


Prof. A. K. Pradhan  
Department of Genetics  
First Floor, Biotech Centre  
University of Delhi South Campus  
Benito Juarez Road  
New Delhi- 110021

Thanking you,

Yours sincerely

  
A. K. Pradhan

Prof. A. K. Pradhan  
Department of Genetics  
University of Delhi South Campus  
Benito Juarez Road  
New Delhi – 110 021

  
**Head**  
**Department of Genetics**  
**University of Delhi**  
**South Campus, New Delhi-21.**