

**Advertisement No.4/chem. Dated 07.02.2020**

Sealed Quotations are invited for Agilent 8860 Gas Chromatography system on the term and conditions given below for the financial year 2019-20 on or before 20.02.2020 by 3:30. PM.


System should be capable of supporting two inlets and two detector ports simultaneously, should have electronic pneumatic / pressure controls for all the gases and should have Chromatography Data system which is based on Microsoft Windows operating system for instrument control, data acquisition, data analysis, quantization, automation & customization with online and offline sessions provided. System should have capability of locking / adjusting the retention time so that same Retention time can be reproduced from system to system and the method should be electronically transferred.

<b>1. Agilent 8860 Gas Chromatography system specifications</b>
Provision to install two or more columns
Operating temp range of oven from near ambient to 400°C
Oven temp ramp rate of oven should be 70°C or better
Possible to program 20 temp ramps (21 plateaus) or better. Negative ramps must be allowed.
Flow sensor for control & storage of split ratio
Retention time repeatability <0.06 % or better
Should have touchscreen display
<b>2. Inlets</b>
1 Nos. Split/split less capillary inlet should be provided.
The maximum inlet pressure should be 0-100psi or better.
Maximum split ratio 7,000:1 or better
Should be PPC/APC/EPC controlled
Split/split less capillary inlet should have a maximum temperature 400°C capability.
Pressure setpoint and control precision to 0.01 psi or better
<b>3. Detectors</b>
<b>FID Detector 1 Nos.</b>
MDL: < 3 pg c/s or better
Dynamic range: > 10 <sup>7</sup>
Data acquisition rate: up to 400 Hz or better
Maximum operating temperature 400 °C or better
<b>4. Autosampler</b>
Should have 15 vials or more capacity autosampler, 100 vials with septa/caps should be quoted along with auto sampler
<b>5. Columns</b>
1 No. each (HP-5 or equivalent).
<b>6. Accessories/consumables</b>
Suitable PC should be quoted
Gas cylinders hydrogen, Nitrogen, Zero Air – 1 Nos each, gas panels, tubing's, fittings and regulators for hydrogen, Nitrogen, Zero Air – 1 Nos. each
5 Kva Online UPS with 30 minutes backup
Suitable software to operate GC system should be quoted
<b>7. Consumables</b>
Suitable Ferrules (10 Nos.)
<b>8. Warranty</b>
Instrument should be quoted with 3 years standard warranty

Terms and conditions

- All discounts, taxes and duties should clearly be mentioned.
- Goods will be Supplied in the Name of the Chairman ,Department of Chemistry , A.M.U. Aligarh
- Payment will be made against bill after receiving of materials as per order.
- Delivery within 21 day , for Department of chemistry A.M.U , Aligarh
- Validity of quotations should be upto 31.03.2020
- The University has right to accept or reject offer part or full without assigning any reason.
- Warranty should be minimum one year.
- The firm shall arrange road permit at its own.
- Any dispute to the Aligarh (UP) jurisdictions only.
- Contact person: Accountant, Department of chemistry ,A.M.U. Aligarh
- Authorization letter issued by the manufacturer should be attached with quotation otherwise it will not be considered.

  
(Prof.M.Muneer)

  
(Chairperson)  
Department of Chemistry  
A.M.U., Aligarh