

Dear Sir,

Please quote for the purchase/import of Automated Flash Chromatograph one unit with the specifications attached and send it to the undersigned by post before 25.11.2014 while submitting the quotations note the following points:

1. It should be clearly stated whether the rates are inclusive of taxes
2. The quotations should be submitted in triplicate
3. The quotation should clearly mention the price with one year warranty and two years AMC.
4. The quotation should be valid for six months.
5. The proprietary/manufacture certificate should be attached with the quotation
6. Kindly send the authorization letter from the principal indicating that you are an authorized distributor of such item in India
7. Mode of payment

### **SPECIFICATIONS**

#### **Automated Flash Chromatograph 1 unit**

Complete unit in all respect. The system should have two constant volume electric pumps of flow rate Min- 1.0 ml/min & Max- 200 ml/min and Pressure in the range 120-140 psi.

Independent Four solvent, quatro-binary gradient capability wherein it should be possible to use all the four solvents in binary combination in a single run and should have the ability to add third co-solvent during a binary gradient.

Provisions for Liquid loading on cartridge. Bulk media loading on the cartridge.

System should have space- saving, touch screen controlled graphic user interface with Chromatogram storage, processing and retrieving facilities. Column construction material should be USP Class VI compliant.

Change solvent composition, flow rate, fraction settings during purification and running condition. Facility to create accurate gradient methods based on entered TLC data. The software must have a gradient optimization feature which converts a linear gradient method to solvent-saving step gradient method. List of column cartridges with maximum recommended sample load under gradient elution. Fraction collector to collect minimum 125 fractions, which could be enhanced further if required. Sample loss prevention feature and alarms. UV Visible detector of variable, dual-wavelength (200-800 nm preferably with accuracy  $\pm 1$  nm). Collect fractions using two user selected wavelengths.

Online 2KVA branded UPS with 2 hrs backup.

Vendor must have minimum 30 successful installations in India for different models in India.

All specifications should be supported by relevant brochures and speciation's sheets and should be available on manufacturer website.

Empty columns with size range 8-10gm, 23-25 gm, 95-100 gm Qty 19 each with column packing accessory and 5 Kg Flash grade Silica stationary phase should be quoted.

Option to attach detector (ELSD, RI, Mass.) and fractionate on the received signal.

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