Department of Chemical Engineering
Indian Institute of Technology, Delhi

September 16, 2011

Subject: Quotation for AKTA EXPLORER

Following Specification are required for the Akta Explorer

SPECIFICATION FOR AKTA EXPLORER

- Inert biocompatible system for all purification and development work form microgram to gram scales and can be used for techniques like Affinity, Reverse phase, Gel and lon exchange chromatography.

- Flow rate of 0.001ml/min to 10ml/min without need for changing pump heads for entire flow range and pressure limit of 25MPa.

- System used for pump heads (with sapphire coating) instead of traditional two, permitting accurate flow and gradient over a wide range of flow rates and the incorporation of three microprocessors to monitor and control performance.

- Bioinsite facility, System software should have the capability to be remotely accessed through secured firewalls from the vendor's site globally for diagnosis and support.

- Xenon fast lamp in UV monitor with fiber optics for high sensitivity and long lamp life minimizing dead volume with multiple wavelength detection up to 3 wavelength from 190-700nm, simultaneously without changing the source.

- Wider conductivity range from 1 µs/cm to 999.9ms/cm.

- On line pH monitoring fro pH 1 to 14 with an accuracy of +/-0.1 pH unit, temperature compensated.

- Confirms to current US FDA guideline and regulations with regulatory support and optional 1Q/QQ services.

- Software should have built-in analysis module.

- User programmable column library for application protocols, method templates and columns & techniques including polymer based RPC.

- Fast systematic method optimization with capability to vary an run parameter with method scouting.

- Automatic pressure compensation for very high flow rate accuracy.

- Capability to incorporate additional post column detectors and integration to software.

- Confirms to GLP & GMP norms.

- System capable of doing Fixed volume, time fractionation and automatic peak fractionation and programmable with unicorn software.

- System should be capable of collecting 175 fractions in 12mm diameter tubes and up to 95 fractions in 10-18 mm diameter tubes or 40 fractions in 30mm tubes.

- Program Memory : programmable upto 99 programs.
- Drop Synchronization should be possible.
- Delay time and waste time should be programmable.
- Operating Temperature 4-40 degree C;
- System should have the option of air sensors, direct sample loading for large volumes, column screening.
- Compatible computer to be provided.

Warranty for 36 months.

Terms and Conditions:

1. Quotations must be made in sealed envelopes. Technical and Commercial bids must be sent separately in two sealed envelopes and then put together in one envelope. The quotes must reach the following address by 7th October 2011 by 17: 00 hours latest.

   Dr. A. S. Rathore
   Department of Chemical Engineering,
   Block II, Room No. 94,
   Indian Institute of Technology, Delhi
   Hauz Khas, New Delhi – 110016

2. Price must be quoted FOB New Delhi.
3. Indian agency certificate must be enclosed.
4. Proprietary certificate might be enclosed if applicable.
5. Payment after installation.
6. Validity of quotation should be at least 3 months.
7. Period of delivery should be mentioned.
8. Educational discount should also be mentioned.

Remarks:
The Institute reserves the right to accept or reject any all the quotations without assigning any reason thereof.

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