

**INDIAN INSTITUTE OF TECHNOLOGY
DEPARTMENT OF CHEMISTRY**

Tender No.: IITK/CHM/VKS/16-17/1

Date: 10-05-2016

Requirement: HPLC (1 nos.)

Quotations are requested from suppliers for the item given below. Please send your quotations by **May 06, 2016 (5.00 pm) with extended date of submission upto May 18, 2016 (5.00 PM)** to the undersigned in a sealed envelope.

Technical Specifications for HPLC

Specifications of HPLCs

1. Pump = Quaternary pump up to 10ml/min flow rate and a back pressure of 8500 psi or higher. The RSD of pump should be 0.07% RSD or better. The system should handle the solution of pH range 1 to 12.
2. Autosampler = The autosampler with 600 Bar pressure should offer injection range of 0.1ul to 100ul with 0.05% carryover as measured for Caffeine calibrant. Should offer vial capacity of 100 vials of 2ml.
3. HPLC detector = The DAD/PDA should have wavelength of 190 to 950 nm with accuracy of ± 1 nm and for better sensitivity the no of diodes should be >1000 elements. The light source should include Deuterium as well as Tungsten lamps providing sampling rate of 20 Hz. The drift should be within 0.9 mAU at 254nm.
4. The tool kit, starter kits should be quoted for routine running and maintenance of HPLC system.
5. The HPLC instrument should have at least one year warranty.

Note:

1. Provide all details about HPLCs.
2. Prices should be quoted in Indian rupees and as much as possible should include the cost of shipping to IIT Kanpur.

Prof. Vinod K. Singh
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