

Revised Specifications of HPLC System

Sr. No.	Requirement	Specifications
1.	Vacuum Degasser	Number of channel : 4 Channels Maximum flow rate : 10 mL/min per channel Materials in contact with solvent : Teflon AF and PEEK
2.	Solvent Delivery Pump	Binary Pump Operating principle : Parallel dual-plunger/piston pump with Low-pressure gradient Number of Solvents : up to 2 solvents Composition Precision : 0.2 % or better Compressibility compensation : Automatic Flow range: - Analytical : 0.001-10 mL/min Flow rate accuracy : $\leq \pm 1$ % at 1 mL/min Maximum pressure : 5500 psi or better
3.	Column Compartment/ Column Type	Temperature range: RT - 80 °C Temperature stability : ± 0.1 °C Temperature accuracy : ± 0.5 K or better Column Type Reverse Phase HPLC column: Bonded Hydrocarbon Like C8 and C18
4	Detector 1. UV/Vis Detector 2. Refractive Index Detector	UV/Vis Detector Wavelength Range : 190-600 nm Light Source : Deuterium lamp or tungsten lamp Wavelength Accuracy : ± 1 nm Wavelength Precision : ± 0.1 nm Path Length : 10 mm (Analytical cell) Cell Volume : min 10-15 μ L Noise: $< 0.5 \times 10^{-5}$ AU Drift: $\leq 1 \times 10^{-4}$ AU/hr Refractive Index Detector RI Range : 1.00 ~ 1.75 RIU Flow Cell Volume : 8 or 10 μ L (Analytical) Noise: $\leq 5 \times 10^{-9}$ RIU Response: < 10 sec or 70 Hz
5.	Manual Injector	Rheodyne 7725i / 9725i Analytical : 7725i(SUS) and 9725i(PEEK)
6.	Safety & maintenance:	Leak detection, Diagnostics, Error detection

The last date of bid submission is extended to **4th December 2020**.

Shukla
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Dr. A. Shukla

Chairman, BS&H Purchase Committee

Dr. Amritanshu Shukla
विभागाध्यक्ष, मौलिक विज्ञान एवं मानविकी
Head, Basic Sci. & Humanities
आरजीआईपीटी, जायस, अमेठी
RGIPT, Jais, Amethi