Department of Chemistry
MNIT, Jaipur
CORRIGENDUM

Tender No. No. F5(768)ST/MNIT/Chy/2019

A pre-bid meeting was held on 16.01.2020 to address the queries of the tenders. After discussion department has finalised below mentioned modifications in the technical specifications of the equipment of above-mentioned tender. Below mentioned revisions may please be considered. for details visit: www.mnit.ac.in, https://eprocure.gov.in/epublish/app & http://tenderwizard.com/MNITJ

Original Specifications	Revised Specifications
Specifications: High Performance Liquid Chromatography (HPLC) system The HPLC System should comprise of Quaternary Gradient Pump, C18 Column within-line filter and additional column, vacuum degasser, UV-visible Detector and chromatography Software with the following specifications. Quaternary Low Pressure Gradient Pump with dual reciprocating pistons in series driven by tachometer controlled motor with on-the-fly compression with pressure transducer purge valve. **Flow rate range:** 0.001–10 mL/min **Flow precision** < 0.08% RSD or < 0.02 min SD, whichever is greater **Pressure range:** 8700 psi or more/600 bar or more **Flow accuracy:** ±1% (of full scale) **Flow pressure (precision):** < 0.2% SD **No. of Liquid flow path**: 4	**Specifications: High Performance Liquid Chromatography (HPLC) system** The HPLC System should comprise of Quaternary Gradient Pump, C18 Column within-line filter and additional column, vacuum degasser, UV Detector and chromatography Software with the following specifications. Quaternary Low Pressure Gradient Pump with dual reciprocating pistons in series driven by tachometer controlled motor with on-the-fly compression with pressure transducer purge valve. **Flow rate range:** 0.001–10 mL/min **Flow precision** < 0.08% RSD or < 0.02 min SD, whichever is greater **Pressure range:** 400 bar or better **Flow accuracy:** ±1% (of full scale) **Flow pressure (precision):** < 0.2% SD **No. of Liquid flow path**: 04

No. of eluent lines: 4 **Solvent degassing:** Built-in Vaccum Degasser in built **Manual injector or Auto-Sample Injector** • Injection Volume setting range: 0.1 µl to 100 µl. Vail Capacity 100 Or More • Hypodermic syringe: 10µL and 20 µL • Injection cycle time: Min 14 Sec. • Control : Chromatography software **Column oven:** temperature range from 5ºC Ambient to 60ºC or better **Temperature Accuracy** : +/- 0.1 ºC • Temperature setting in steps of 1˚C • Heat Up/Cool Down Time: 5 min from ambient to 40°C: 10 min from 40 ° C to 20° C **Columns:** C18 (4.6x150mm 3µm)- Qty-1 End capped C18 (4.6x250mm 5µm)- Qty-1 C18 (4.6x250mm 5µm)- Qty-2 C8 (4.6x250mm 5µm)- Qty-2 **UV –visible Detector** with programmable slit width **Wavelength Range:** 190 to 800 nm or More **Light Source:** Deuterium lamp, tungsten/Hg lamp with suitable standard flow cell • Wavelength accuracy must be ±1 nm maximum	**No. of eluent lines**: 4 **Solvent degassing:** Built-in Vaccum Degasser in built **Auto-Sample Injector** • Injection Volume setting range: 0.1 µl to 100 µl. Vail Capacity 100 Or More • Hypodermic syringe: 20 µL in case of Manual injector **Column oven:** temperature range from 5ºC Ambient to 60ºC or better **Columns:** C18 (4.6x250mm 5µm)- Qty-2 End capped C18 (4.6x250mm 5µm)- Qty-1 **UV Detector** with programmable slit width **Wavelength Range:** 190 to 600 nmor More **Light Source:** Deuterium lamp, tungsten/Hg lamp with suitablestandard flow cell • Wavelength accuracy must be ±1 nm maximum &Wavelength reproducibility must be ±0.1 nm • Drift should be less than 1 x 10-4 AU/Hour & Noise level should be ±3 x10-6 AU or better • It should be able to monitor and quantitate 2 wavelengths simultaneously GLP features: RFID for electronics records of flow cell and UV lamp conditions & early Maintenance feedback (EMF) for continuous tracking of instrument usage in terms of lamp burn time. **Chromatography software**

&Wavelength reproducibility must be ±0.1 nm • Drift should be less than 1 x 10-4 AU/Hour & Noise level should be ±2.5 x10-6 AU • It should be able to monitor and quantitate 2 wavelengths simultaneously GLP features: RFID for electronics records of flow cell and UV lamp conditions & early Maintenance feedback (EMF) for continuous tracking of instrument usage in terms of lamp burn time. **Chromatography software** Suitable software and PC of latest version for operation of above HPLC • Chromatography data system for control, acquisition, processing, &Reporting software. • Chromatography Software should have client/server, 32-bit design for latest windows. • It should have flexible reporting as users desires for complete chromatography information Reporting. • It should also record the instrument event such as injection, complete instrument settings, changes & conditions in real time. • The software should be GLP/GMP/21 CFR Complaint. System Must Be US or European or Japan Make. The bid should be quoted in INR up to MNIT Store . **Accessories:** i. Sample and Solvent filtration Assembly (External degasser Unit with ultrasonicator and Filtration kit	Suitable software and PC of latest version for operation of above HPLC • Chromatography data system for control, acquisition, processing, &Reporting software. • Chromatography Software should have client/server, 32-bit design for latest windows. • It should have flexible reporting as users desires for complete chromatography information Reporting. • It should also record the instrument event such as injection, complete instrument settings, changes & conditions in real time. • The software should be GLP/GMP/21 CFR Complaint. System Must Be US or European or Japan Make. The bid should be quoted in INR up to MNIT Store . • Hp/DELL Latest i5 PC with HP LaserJet duplex Printer & 3 KVA Online UPS 30-40 Min , 1.5 Ton branded split AC Must be quoted with system. **Warranty :** 12 Months standard from the date of Purchase. *System should be accompanied with conformity certificate *DSIR certificate will be provided.

having vacuum pump/suction pump) • Latest PC (Latest configuration of i5 Processor with 8 GB RAM, 500 GB HDD, Windows 8 and 19" LED Monitor, HP LaserJet duplex printer & 3 KVA Online UPS with 40-60 minutes backup • 1.5 Ton branded (Split) Air conditioner must be quoted with system. • Bottles (5 Nos.) • Glass Sample vial one pack (100 pieces). (for autosampler) • Extra Hypodermic syringe: 10µL (1 No) and 20 µL(1 No) • vial filters **Warranty :** 3 years standard warranty should be provided *System should be accompanied with conformity certificate *DSIR certificate will be provided.	

However, all other terms & conditions of our NIET will remain unchanged

Deputy Registrar
(Store & Purchase)