



सी एस आई आर -राष्ट्रीय पर्यावरण अभियांत्रिकी अनुसंधान संस्थान

CSIR- National Environmental Engineering Research Institute

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CORRIGENDUM

PUR-171/EP/SEAF/2023-24

Date: 12.10.2023

After the Pre-Bid meeting held on 10.10.2023, Technical specifications of UPLC is amended and revised specification is as per Annexure-A.

Qualification requirement, Terms & Conditions, Bid submission end date and Bid opening date will remain same.

भंडार एवं क्रय अधिकारी
Stores & Purchase Officer
CSIR-NEERI, Nagpur

Technical specifications of UPLC:

| Sr.No. | Items Description |
|--------|--|
| 1. | Quaternary gradient Pump: Capable for handling four solvents, Sensor to detect leakage and pressure limit, Gradient mixing accuracy: $\pm 0.5\%$ |
| 2. | Operating Flow rate: $\leq 10 \mu\text{L}/\text{min} - \geq 5 \text{ mL}/\text{min}$ |
| 3. | Flow Accuracy: $\pm 1\%$ up to 2 mL/min flow rate |
| 4. | Maximum operating Pressure: 15000 psi or more |
| 5. | Degasser: Online solvent degassing system |
| 6. | Gradient Mixture : Mixing, quaternary gradient |
| 7. | pH range: ≤ 2 to ≥ 12 |
| 8. | Column Compartment: a) Column Capacity – At least two columns (Accommodate 5 cm to 30 cm length column) b) Temperature control facility: $\leq 10^\circ\text{C}$ to $\geq 65^\circ\text{C}$ |
| 9. | Auto Sampler a) Injection volume - 1 to 100 μL sample loading (10, 25, 50, 75, 100 μL) b) Temperature $\leq 10^\circ\text{C}$ - ambient c) Wash/Purge - Should be programmable d) Sample rack holder – At least 96 vials or more |
| 10. | Detector : a) Photodiode Array b) Wavelength ≤ 190 to ≥ 640 nm c) Wavelength Accuracy ± 1.0 nm or better |
| 11. | Software: Licensed software compatible for Data processing, calibration, report generation & Method development. |
| 12. | Data Station: Computer with following configuration should be provided Processor: i7 or higher; SSD: $\geq 1\text{TB}$; RAM: ≥ 16 GB DDR5 or better, Monitor: $\geq 27''$ LED or better; Operating system: Licensed Windows 10 or higher with Licensed MS Office 21. |
| 13. | Installation Commissioning & Training: a. The Instrument should be installed by the supplier at CSIR-NEERI, Nagpur. All standard accessories including test kits, tubing, connectors, variables loops, Calibration standards, solvents, suitable standard columns (at least one each of C4, C8 & C18 of length 250 mm) should be provided by the supplier to make the instrument operational. b. Information on Installation pre-requisites should be sent at least one month before the installation. c. Provide three days Operation and maintenance training at CSIR-NEERI, Nagpur. |
| 14. | Warranty: One year standard + Two years additional warranty. (Three years warranty from the date of installation) |