

**RAJIV GANDHI INSTITUTE OF PETROLEUM TECHNOLOGY, JAIS, AMETHI
CORRIGENDUM-1**

Date: 18.12.2019

Please refer to E-Tender on RGIPT/JAIS/E-OPN/LAB/2019-20/64 in rgipt.euniwizarde.com portal & Institute Website for the procurement of
ION CHROMATOGRAPHY SYSTEM

Corrections/Addendum to ION CHROMATOGRAPHY SYSTEM Technical specifications

Specification	Modifications (after Pre-bid)	Before Pre-bid
Analytical Pump and Hydraulics	Flow rate: 0.001 to 10ml/m in 0.001 ml/m increment.	Flow Rate Range: 0.00-5.00 mL/min in 0.01 increments.
	Piston Seal Wash (optional): Dual pump head, wash can be continuous when connected to rinse solution supply.	Piston Seal Wash: Dual pump head, wash can be continuous when connected to rinse solution supply.
Conductivity Detector Electronics & Flow Cell	Microprocessor controlled digital Signal Processor Linearity: 1% at 1 mS Resolution: < 5pS/cm.	Type: Microprocessor controlled digital Signal Processor, Cell Drive: 8 kHz square wave. Linearity: 1% at 1 mS Resolution: 0.00238 nS/cm.
	Electronic Noise: < 0.1 nS at 1 μS	Electronic Noise: ± 0.1 nS when background conductivity is 0- 150 μS. ± 2.0 nS when background conductivity is 151- 3200 μS.
	Compensation: Suitable to conductivity analysis	Compensation: Fixed at 1.7% per 1 deg. C at cell temperature.
	Measurement Temperature range: 20-50 °C	Temperature range: Ambient + 7 °C to 55 °C Temp
	Stability: < 0.01 °C or better	Stability: < 0.01 °C
	Suitable to perform analysis	Max. Cell Operating Pressure: 10MPa (1500 psi)
	Mobile Phase Container with pressurization & helium sparging facility capacity (1.00 Ltr.) (optional)	Mobile Phase Container with pressurization & helium sparging facility capacity (1.00 Ltr.)

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UV-Vis and PC10, columns for Transition metal along with Iron, Chromium speciations analysis.	UV-VIS PDA detector, columns for Transition metals and speciation of Iron, Chromium analysis.	UV-Vis and PC10, columns for Transition metal along with Iron, Chromium speciation analysis.
	Variable Wavelength Detector	Variable Wavelength Detector VWD-3100
	Suitable to perform analysis	Data Collection Rate: Up to 100 Hz
	No. of channel: 4 or more	No. of Channel: 1
	Noise: 2.5×10^{-5} AU (at a 1/s data rate)	Noise: $< \pm 3.5 \mu\text{AU}$ (typical $< \pm 2.5 \mu\text{AU}$) at 254 nm, time constant 1 s, dry analytical flow cell
	Drift: 5×10^{-4} AU/h or better	Drift $< 1 \times 10^{-4}$ AU/h at 254 nm and dry analytical flow cell.
Other Accessories	Analytical flow cell 11 uL, PEEK, 10 mm path	Post column Pneumatic which includes a Pressurizable chamber, a post column pneumatic controller, a reagent container, a knitted coil, post column reagent organizer. Analytical flow cell 11 uL, SST, 10 mm path

N.B: A marking system will be used to evaluate the bids. The bids that receives more than the threshold mark fixed by the purchase committee will be considered further for finance bid.

The last date to receive the bids is extended till 3rd Jan 2019, 3.00 PM and opening of Techno Commercial bid will be at 4.00 PM.



Dr. Satish K. Sinha
(Chairman, Departmental Equipment Purchase committee)