INDIAN INSTITUTE OF TECHNOLOGY BOMBAY

MATERIALS MANAGEMENT DIVISION

15th July, 2021

Corrigendum –II

For (PR No. 1000017905) RFx No. 6100000707

Preparative HPLC

Point No. 1. Pump for Preparative & Analytical flow rates	
Original Specs	Amended Specs
• The gradient formation should be produced through low pressure mixing	• The gradient formation should be produced through high or low pressure mixing
Specifications for Injection Functions:	
• Injection reproducibility should be ≤ 1% RSD	• Injection reproducibility should be ≤2% RSD
• It must be able to perform continuous analyses according to the conditions specified for each sample, including pre-treatment, sandwich injection etc.	• It must be able to perform continuous analyses according to the conditions specified for each sample, including sandwich injection etc.
Specifications for Fraction Collection Functions:	
• It should have capacity up to 540 tubes of 10mm OD and 252 vials/tubes of 4ml capacity	• It should have capacity up to 540 tubes of 10mmor 12 mm OD and 252 vials/tubes of 4ml or 6 mL capacity
• It should have fractionation methods such as time-based, peak-based, manual and simulation function	• It should have fractionation methods such as time-based, peak-based, manual etc.
Point No. 4 Photodiode Array (PDA) Detector	
• A standard flow cell of 12µL volume& 10 mm cell path length should be available. It should have temperature control from 19^{o}C to 50^{o}C	• A standard flow cell of 12µL/14 µL volume& 10 mm cell path length should be available. It should have constant temperature control from 19^{o}C to 50^{o}Cor equivalent
• The Drift should be smaller than $0.9x10^{-3}$	• The Drift should be smaller than $1x10^{-3}$

AU/Hour or better	AU/Hour or better
• The Noise Level should be smaller than $7x10^{-6}$ AU or better	• The Noise Level should be smaller than $8x10^{-6}$ AU or better
Point No. 5 Single Quadrupole Mass Spectrometer Detector:	
• Polarity switching time should be 15 ms	• Polarity switching time should be 300 ms or better
• Should have sensitivity in 1 pg levels on column with a sensitivity of 100:1 or better	• Should have sensitivity in 10pg levels on column with a sensitivity of 100:1 or better
• Nitrogen gas consumption for LCMS should be less than 25L/min. Suitable imported make nitrogen gas generator with built-in compressor shall be supplied with LCMS system	• Nitrogen gas consumption for LCMS should be less than 30L/minor better. Suitable imported make nitrogen gas generator with built-in compressor shall be supplied with LCMS system
• Cleaning & maintenance of desolvation line should be simple & be able to carry out without breaking the vacuum	• Cleaning & maintenance of ionization assembly/desolvationline should be simple & be able to carry out without breaking the vacuum

Additional Registrar

Materials Management Division