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09.08.2019

Department of Chemistry Corrigendum-1

Tender Reference no: **CHY/GSEK/2019-20/002/SPLX**

Name of the Item: **HPLC SYSTEM**

Corrigendum details: **Change in Technical Specification**

Venders are requested to consider the following changes while submitting their bids for this tender.

<p>Solvent Delivery Unit</p> <ul style="list-style-type: none"> Flow rate precision $\pm 0.06\%$ RSD Composition precision: 0.1% RSD <ul style="list-style-type: none"> It must have a leak sensor as safety feature <p>Auto sampler with Sample Cooler</p> <ul style="list-style-type: none"> The Carry over must be below 0.005% or better, as lowest carryover is preferred for accurate analysis data. Number of samples to be processed automatically at least 50 Nos. of 1.5ml Vial 	<p>Solvent Delivery Unit</p> <ul style="list-style-type: none"> Flow rate precision: less than ± 0.02 min SD The composition accuracy should be below 0.5% & composition precision below 0.15% RSD or below Gradient curve setting function and Leak Sensor or equivalent should be available The maximum pressure setting range should be 5000 psi or above Automatic Front Panel control and visualization of chromatogram on system display Total System Volume: between 1.1ml to 1.2ml The Sub-Assemblies should be warranted by the manufacturer for 200,000 injections or more. If Manufacturer do not provide such warranty, then 1 set of entire pump drive mechanics to be quoted as standard Compressibility compensation is automatic and continuous throughout the analysis run time <p>Auto-Sampler</p> <ul style="list-style-type: none"> The Carry over should be below 0.003% Number of samples to be processed automatically at least 100 Nos. of 1.5ml or 2 mL Vial
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<ul style="list-style-type: none"> • Auto sampler should be capable of handling thermally liable samples and should come with sample cooler offering temperature control from 5 to 40 deg C Block cooling/heating should be used together with dehumidifying function <p>Photo Diode Array Detector</p> <ul style="list-style-type: none"> • Light Source: Deuterium (D2) lamp and Tungsten lamp • Slit Width: 1.2 nm and 8 nm • Noise level: Less than 0.6×10^{-5} AU • Drift: 5×10^{-4} AU/h • Flow Cell: Capacity: 10 μL, Pressure: 12 MPa ,Optical wavelength: 10 mm <p>Column Switching Valve</p> <ul style="list-style-type: none"> • Column Switching Valve (preferably for 6 columns) (quote as optional) 	<ul style="list-style-type: none"> • It must be capable of very fast injection time of <50sec/sample, with higher injection speed is preferred for high throughput analysis capability • It should have safety features like leak sensor or equivalent and automatic rack and vial recognition. • The Seal Pack assemblies should be warranted by the manufacturer for 15,000 injections or more. If Manufacturer do not provide such warranty, then 2 sets of seal packs to be quoted as standard. <p>Photo Diode Array Detector</p> <ul style="list-style-type: none"> • Light Source: Deuterium (D2) lamp • Slit Width: 1.2 nm • Noise level: Less than 1×10^{-5} AU • Drift: 10×10^{-4} AU/h • Flow Cell: Capacity: 8 μL or above, Pressure: 100 psi or above, Path length: 10 mm • Should capable of simultaneous monitoring of two wavelengths <p>Column Switching Valve</p> <ul style="list-style-type: none"> • <u>Automatic</u> Column Switching Valve (preferably for 6 columns) (quote as optional)
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All other terms and conditions remain the same.

Tender Inviting Authority:

Dr. G. Sekar,
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