

**Amendment No. 7**

Date: 21/06/2019

Sub: Amendment to the Tender Enquiry Document.

Ref: Tender Enquiry No.: HLL/PCD/IPC-12/18-19 dated 26.02.2019.

The following changes are being incorporated in the referred tender enquiry.

**SECTION I**  
**NOTICE INVITING TENDERS (NIT)****FOR:**

SI No.	Description	Schedule
iii.	Closing date & time for submission of Tender Processing fee <b>and EMD in physical form</b>	<b>28-June-2019,1400 hrs (IST)</b>
iv	Closing date & time for submission of online tenders	28.06.2019 at 13:00 hrs (IST)
v	Time and date of opening of online tenders	28.06.2019 at 14:30 hrs (IST)

**READ AS**

SI No.	Description	Schedule
iii.	Closing date & time for submission of Tender Processing fee <b>and EMD in physical form</b>	<b>05-July-2019,1400 hrs (IST)</b>
iv	Closing date & time for submission of online tenders	05.07.2019 at 13:00 hrs (IST)
v	Time and date of opening of online tenders	05.07.2019 at 14:30 hrs (IST)

**Schedule 1 LC-MS/MS (QQQ)****ADDED PARA : Ultra High Performance Liquid Chromatography System**

<b>Pump</b>	High Pressure Binary Gradient System consisting of two individual pumps should be offered Pressure tolerance up to 18,000 psi or better Online membrane Vacuum Degasser – 5 channel Operating flow range: 0.010-2.0 ml/min with 1 µl increments Flow Accuracy: ± 1.0% or better Flow precision: 0.075 % RSD or better Suitable gradient mixer, rinsing kit, reservoir tray to be included.
<b>Auto Sampler with Sample Cooler</b>	Number of samples : 100 Nos. of 1.5 mL vials or equivalent Pressure tolerance 18,000 psi or better
	Injection volume range:0.1-50µl in 0.1 µL increments Sample delivery precision:< 0.3% RSD or better Sample temperature: 4 – 40 deg C Sample carry over < 0.005% or better

<b>Photodiode Array Detector</b>	<p>Light Source : D2 Lamp &amp; W Lamp</p> <p>No of diode element : 512</p> <p>Wavelength range : 190 – 800nm</p> <p>Slit width High Resolution &amp; High Sensitivity Modes : 1.2nm, 8nm</p> <p>Wavelength accuracy : +/- 1 nm</p> <p>Noise : <math>0.6 \times 10^{-5}</math> AU</p> <p>Drift : <math>5 \times 10^{-4}</math> AU/h</p>
<b>Column Oven with heating and cooling Capability</b>	<p>Column oven to accommodate at least four columns of 25 cm length each.</p> <p>Column temperature control 5 deg C above ambient to 80 deg C or better</p> <p>Column Tracking &amp; Storage Device should be provided</p>
<b>Column</b>	1 No. C 18 Column 150mm x 2.1mm id, 1.9 micron column with guard column should be offered
<b>Flow Divert Valve</b>	Flow Divert Valve to be installed after the detector for automatic switching the flow between the MS and drain should be included.
<b>UPS and others</b>	<p>A branded UPS System with SMF Batteries 10 KVA and input/output with one hour battery back-up as per requirement of the LC MS/MS System should be offered.</p> <p>Any other gas cylinder (1 No.) which is required for collision induced dissociation /fragmentation should be offered with pressure regulators and SS fittings.</p>
<b>Installation and Demonstration</b>	<p>IQ/OQ/PQ to be performed as per OEM protocol, Should be done free of cost with necessary traceable standards along with necessary performance kit standard solutions.</p> <p>Documents, Kits &amp; standards etc., as required being supply along with the instrument.</p> <p>Demonstration and Training on system to our Lab personal at site to be incorporated, responsibility of the supplier for training of the lab personnel at supplier site/installation site.</p> <p>Basic training for a period of one week after installation &amp; commissioning of the equipment to technical personnel to be provided at our site.</p>
<b>After Sales Service</b>	<p>Should have a good after sales service/technical support capable of reaching at short notice the places where LC-MS/MS is proposed to be installed, Visits and unlimited breakdown calls by service/application support, engineers should attend immediately without fail.</p> <p>Troubleshooting training (Instrumentation/Application) as and when required free of cost.</p>
<b>Warranty</b>	Three Years warranty for the complete LC-MS System, Nitrogen Generator & UPS including battery should be offered.

<b>Schedule 6: Dissolution Apparatus with Auto Sampler</b>	
<b>Tender Specifications</b>	<b>Read as</b>
Suitable computer as per specification mentioned in General Specification	<b>Current version i7 compatible with the instrument software and Laser printer</b>
Suitable Laser Printer	
<b>Schedule 8 Ultraviolet/ Visible Spectrophotometer</b>	
<b>TENDER SPECIFICATION</b>	<b>Read as</b>
SOFTWARE WITH PC AND PRINTER	
Suitable software 21 CFR PART 11 compliance, Laser Printer and computer as per General specification	<b>Suitable software 21 CFR PART 11 compliance. Computer: Current version i7 compatible with the instrument software and coloured Laser printer</b>
WAVE LENGTH ACCURACY: $\pm 0.1$ nm	Wavelength accuracy as $\pm 0.3$ nm
STRAY LIGHT: 0.0025% or less	Stray light as <b>0.01% or less</b>
<b>Schedule 9 FT-Infrared Spectrophotometer with Pellet Press</b>	
<b>TENDER SPECIFICATION</b>	<b>Read as</b>
SOFTWARE WITH PC AND PRINTER	<b>Suitable software 21 CFR PART 11 compliance. Computer: Current version i7 compatible with the instrument software and coloured Laser printer</b>
Suitable software 21 CFR PART II compliance, coloured Laser Printer and computer as per General Specification	
<b>Schedule 10 Karl Fischer Titrator (Semi-Micro Determination of Water)</b>	
<b>TENDER SPECIFICATION</b>	<b>Read as</b>
SOFTWARE WITH PC AND PRINTER	<b>Suitable software 21 CFR PART 11 compliance. Computer: Current version i7 compatible with the instrument software and coloured Laser printer</b>
Suitable software 21 CFR PART II compliance, coloured Laser Printer and computer as per General Specification	
Polarization current range: 0...100 $\mu$ A or better.	Polarization current <b>read as 0-80 <math>\mu</math>A</b>
<b>Schedule 25: Viscometer</b>	
<b>AMENDED SPECIFICATION</b>	<b>Read as</b>
SOFTWARE WITH P.C. AND PRINTER	<b>Suitable software 21 CFR PART 11 compliance. Computer: Current version i7 compatible with the instrument software and coloured Laser printer</b>
Suitable software 21 CFR PART II compliance, Laser Printer and computer as per General Specification	

1. **Prospective bidders are advised to ensure the validity of their EMD as per this revised schedule.**
2. **Prospective Bidders are also advised to check the website regularly prior to the Closing date and time of online submission of bids.**
3. **Bidders may simulate online bid submission (technical & financial) at least one week in advance of the bid submission deadline. No clarifications/troubleshooting regarding any problems being faced during bid submission online shall be entertained in the last week of bid submission.**

**All other contents of the tender enquiry including terms & conditions remain unaltered.**