



INDIAN INSTITUTE OF SCIENCE EDUCATION AND RESEARCH

PUNE

CLARIFICATION ON TENDER NUMBER - IISER-PUR-1491-17

ITEM DESCRIPTION- PROCUREMENT OF HIGH PERFORMANCE LIQUID CHROMATOGRAPHY SYSTEM WITH ACCESSORIES

Refer our Press Tender Notice No.IISER/S&P/30/17 dated 10.3.2018 for procurement of High Performance Liquid Chromatography System with accessories. Tender Reference Number - IISER-PUR-1491-17.

At the outset, the Chairman welcomed all the Members and the representative of the Prospective Bidders and briefed in general the scope of the Project and thereafter requested Assistant Registrar (S&P) to brief the vendors on the salient features of the commercial terms and the indenting Officer to read out the clarification sought by the Prospective Bidders and replied thereto as detailed in Annexure -II

The representatives present were satisfied with the replies given and it was informed that the corrections / additions / clarifications given, as discussed during the Pre-Bid Conference would be hosted on the website of IISER Pune and all the Prospective Bidders are required to take cognizance of the proceedings of the Pre-Bid Conference before submitting their bids as stipulated in the Bidding Documents.

The other terms & conditions of the notice issued on our IISER website www.iiserpune.ac.in will remain unchanged. No more correspondence in this regard will be entertained

The meeting ended with vote of thanks to the Chair

15.3.2018

Sd/-
Assistant Registrar (S&P)



IISER PUNE
PRE-BID CONFERENCE FOR PROCUREMENT OF HIGH PERFORMANCE LIQUID CHROMATOGRAPHY SYSTEM
TECHNICAL & COMMERCIAL QUERIES AND CLARIFICATION

TENDER NUMBER - IISER-PUR-1491-17

DATE : 15.3.18

S.No	Query/Clarification Sought	Clarification / Amendment
1	<p>Chapter 4, section 1 - Solvent Delivery System</p> <p>It should be high pressure quaternary pump with quaternary gradient pump with online vacuum degasser to deliver four solvents</p>	<p>Chapter 4, section 1 - Solvent Delivery System</p> <p>No change in the specification</p>
2	<p>Chapter 4, section 1 - Solvent Delivery System</p> <p>Pump should have plunger capacity of 50ul or better</p>	<p>Chapter 4, section 1 - Solvent Delivery System</p> <p>To meet our experimental conditions, this is our requirement, hence</p> <p>No change in the specification.</p>
3	<p>Chapter 4, section 1 - Solvent Delivery System</p> <p>Maximum operating pressure should be 1-60MPa or better</p>	<p>Chapter 4, section 1 - Solvent Delivery System</p> <p>We need high pressure for certain sugar complexes. No change in the specification</p>

4	<p>Chapter 4, section 1 - Solvent Delivery System</p> <p>Flow rate should be settable between 0.001 mL/min to 10.00 mL/min in increments without any hardware changes</p>	<p>Chapter 4, section 1 - Solvent Delivery System</p> <p>No change in the specification</p>
5	<p>Chapter 4, section 1 - Solvent Delivery System</p> <p>Flow rate precision should not be more than $\pm 0.07\%$ RSD or 0.02 min SD at RT</p>	<p>Chapter 4, section 1 - Solvent Delivery System</p> <p>No change in the specification. Better flow rate precision is more preferably acceptable</p>
6	<p>Chapter 4, section 1 - Solvent Delivery System</p> <p>It should have up to 50-100 storage files</p>	<p>Chapter 4, section 1 - Solvent Delivery System</p> <p>No change in the specification</p>
7	<p>Chapter 4, section 2 - Degassing Unit</p> <p>Degasser not required for high pressure Binary system</p>	<p>Chapter 4, section 2 - Degassing Unit point is amended to</p> <p>Maximum flow rate is amended to 10ml/min</p>
8	<p>Chapter 4, section 3 - Column Oven</p> <p>Column oven should be forced air circulation for uniform heating throughout the column oven</p>	<p>Chapter 4, section 3 - Column Oven</p> <p>Amended to column oven block heating type for analytical columns</p>
9	<p>Chapter 4, section 4 - Photo Diode Array detector</p> <p>Request to change wavelength range to 190 nm - 800 nm</p>	<p>Chapter 4, section 4 - Photo Diode Array detector</p> <p>We need long range to suit some of our molecules; however wavelength is amended to 190-900.</p>

10	<p>Chapter 4, section 4 - Photo Diode Array detector</p> <p>The photo-diode array detector should have 512 elements</p>	<p>Chapter 4, section 4 - Photo Diode Array detector</p> <p>No change in the specification</p>
11	<p>Chapter 4, section 4 - Photo Diode Array detector</p> <p>The detector must have 2 modes of operation using a variable slit: High Resolution mode at a slit width of 1.2nm and a High Sensitivity mode at a slit width of 8nm</p>	<p>Chapter 4, section 4 - Photo Diode Array detector</p> <p>The detector must have 2 modes of operation using a variable slit: High Resolution mode at a slit width of 1.2nm and a High Sensitivity mode at a slit width amended approximate to 5-8nm</p>
12	<p>Chapter 4, section 4 - Photo Diode Array detector</p> <p>A Conventional flow cell [10 µL volume, 10 mm cell path length, approx. 12-13MPa pressure max.] with temperature control should be available</p>	<p>Chapter 4, section 4 - Photo Diode Array detector</p> <p>No change in the specification</p>
13	<p>Chapter 4, section 4 - Photo Diode Array detector</p> <p>The flow cells must be temperature controlled from ambient $\pm 5^{\circ}\text{C}$ to 50°C</p>	<p>Chapter 4, section 4 - Photo Diode Array detector</p> <p>The flow cells must be temperature controlled amended from ambient $\pm 5^{\circ}\text{C}$ to 60°C</p>
14	<p>Chapter 4, section 5-Manual injector and auto sampler</p> <p>Should have Sample capacity of 105 \times 1.5 ml vials , Micro vials (100 or 300 µl) with sleeves</p>	<p>Chapter 4, section 5-Manual injector and auto sampler</p> <p>Sample capacity amended to approx.100 vials</p>
15	<p>Chapter 4, section 5-Manual injector and auto sampler</p> <p>Pressure should Approx upto 20Mpa</p>	<p>Chapter 4, section 5-Manual injector and auto sampler</p> <p>Pressure should amended to Approx 20Mpa</p>
16	<p>Chapter 4, section 5-Manual injector and auto sampler</p>	<p>Chapter 4, section 5-Manual injector and auto sampler</p>

	Sample injecting volume 0.1-100 μ L (standard), 0.1-2000ul (optional)	Sample injecting volume amended to 0.1-100 μ L (standard), 0.1-2000ul (optional)
17	<p>Chapter 4, section 8-Column holder and switching valves</p> <p>It is technically recommended to use high pressure Binary Gradient Pumps which can be effectively used as Front end system if you upgrade it to LCMS in future.</p>	<p>Chapter 4, section 8-Column holder and switching valves</p> <p>Amended to Quaternary system as we need to use three solvent combinations some time.</p>
18	<p>Chapter 4, section 9-Service, warranty, tanning and accessories</p> <p>We request you to buy PC, Printer and solvent filtration assembly locally through the regular supplier who are in Rate contract of IISER to avoid handling charges and additional taxes</p>	<p>Chapter 4, section 9-Service, warranty, tanning and accessories</p> <p>No change in specifications. Vendor should provide all the accessories. We need C18 columns of following dimensions Analytical column- (5 μ, 4.6\times250mm), Semi preparative column- carbopackpa1 (5 μ, 10\times250mm), chiral column-(5 μ, 10\times250mm), Preparative column-(5 μ, 19\times250mm)</p>