



भारतीय विज्ञान शिक्षा एवं अनुसंधान संस्थान मोहाली

शिक्षा मंत्रालय, भारत सरकार द्वारा स्थापित
सैक्टर 81, नॉलेज सिटी, प° ओ° मनोली, एस° ए° एस° नगर, मोहाली, पंजाब - 140306
INDIAN INSTITUTE OF SCIENCE EDUCATION AND RESEARCH MOHALI
(Estd. By Ministry of Education, Govt of India)

Sector-81, Knowledge city, PO-Manauli, SAS Nagar Mohali-140306, Punjab
PAN No. - AAAAI1781K GST No. 03AAAAI1781K2ZS

• Phone : +91-172-2240086,2240121 • Fax : +91-172-2240124, 2240266 • <http://www.iisermohali.ac.in> • Email: registrar@iisermohali.ac.in

CPPP/Institute Website

IISERM (1409)20/21-Pur

Dated: 01-12-2020

CORRIGENDUM -I

Refer IISER Mohali E-tender Ref. No. IISERM (1409)20/21-Pur for “**Supply and Installation of Analytical-cum-Semi Preparative HPLC**” Knowledge City, PO. S.A.S. Nagar, Mohali, Punjab. Due date for the on-line submission is further extended due to addition of following condition in tender, is incorporated as **per below schedule**:

BOQ no.	Details of Specifications of the Stores	Qty. (in units)
1.	Insertion/addition as Sub clause (d) under Clause 7 of above tender notice IISERM(1409)20/21-Pur d) Chiral-T 150 mm x 4.6 mm x 2.7 micron – Qty -1 NOTE: Rest all the terms and conditions shall remain unchanged. Revised Complete Technical Specification is attached as (Annexure-I)	01

Revised date and Time

Sr. No.	Description	Extended Due date/Time
01	Closing Date & Time (Online)	23-12-2020 upto 11:00 AM
02	Opening Date & Time of Technical Bid	24-12-2020 upto 11:30 AM

For any information, other modifications and/or corrigendum may kindly visit IISER Mohali websites <http://www.iisermohali.ac.in/> & <https://eprocure.gov.in/eprocure/app>

Sd/-
Assistant Registrar (P&S)

ANNEXURE-I

Technical specifications for Analytical-cum-Semi Preparative HPLC

SN	Specifications
1	Computer controlled High Performance liquid chromatograph system equipped with a Quaternary Pump, Manual Injector, Thermostatted Column Compartment, Diode Array Detector, Chromatography Software and asked columns for analytical and Semi-Prep work flow with below specifications:-
2	Pump: Quaternary Pump: <ol style="list-style-type: none"> a. Flow Range: Set Point from 0.05 to 10.0 ml/min in 0.05 ml/min increments or better. b. Flow Accuracy: +/-1% or 10 µl/min or better. c. Flow Precision: ≤+/- 0.07% RSD or better. d. Pressure Range: 5000 psi or better. e. Vacuum Degasser: Degasser should be available for solvent degassing. f. Should have leak sensor.
3	Manual Injector <ol style="list-style-type: none"> a. Manual injector should be quoted with mounting stand, 20ul,100ul and 5 ml loop. b. Injector should be compatible up 5000 psi operating pressure
4	Column Compartment with Heating and Cooling facility:- <ol style="list-style-type: none"> a. Operating principle: Thermostatted column compartment with Peltier-element. b. Pre-column mobile phase heating: Column Compartment should have facility for pre-column, mobile-phase heating to improve chromatographic separations to avoid peak broadening, peak distortion and column efficiency loss. c. Column Capacity: 4 Columns of up to 250 mm length. d. Temperature range: 5 °C below ambient to 80 °C. e. Temperature stability: ±0.5 °C. f. Temperature accuracy: ±0.5 °C. g. Leak Sensor: Column compartment should be equipped with leak Sensor.
5	Photo Diode Array Detector: <ol style="list-style-type: none"> a. Wavelength range : 190-800 nm or better. b. Wavelength accuracy: ± 1 nm or better. c. Slit width: Programmable d. Short term Noise: +/- 0.8 x 10⁻⁵ AU at 254 nm or better. e. Drift :< 1x 10⁻³ Au/h at 254 nm or better. f. Linearity: 2.0 AU at 265 nm or better. g. Detector Types: 512 element Diode Array h. Sampling Rate: upto 80 points/Sec or better. i. Light Source: Deuterium lamp and tungsten lamp or deuterium arc lamp j. Standard flow cell for Analytical Workflow and dedicated Flow cell semi-prep work should be quoted. k. Should have leak sensor.
6	Chromatography Software: Standard Licensed Chromatography Software based on latest Windows version capable of controlling the entire HPLC system, data acquisition, analysis & storage for analytical and Semi-prep workflow.
7	Columns: (Columns should be quoted from Original OEM Only with standard part numbers) <ol style="list-style-type: none"> a) C4, 250 mm x 4.6 x 5micron o-- Qty. 1 b) C18, 250 mm x 10 mm x 5micron – Qty 1 c) C18, 150mm x 4.6 x 5/4 micron Qty 1 d) Chiral-T 150 mm x 4.6 mm x 2.7 micron – Qty -1

8	<p>Essential accessories:-</p> <p>a) Online UPS : Suitable On-line UPS with 30 mins back up.</p> <p>b) Computer: OEM PC or Processor Intel Xeon E3-1225v5 Processor (3.3GHz, 8MB Cache), HDD 500GB 7200RPM SATA Hard Drive, 8 GB RAM, Graphics: Intel HD Integrated Graphics, Optical DVD Recordable, Wireless WiFi Operating System Window 7 or above, Mouse and Keyboard.</p> <p>c) Printer: LaserJet printer with a print capacity of 40 A-4 pages per minute and a resolution of 1200 x 1200 dpi</p>
9	<p>Warranty: - One year from date of installation on complete system. Installation, Familiarization & Dem should be given at our lab with no additional charge.</p>
10	<p>Technical Literature: -</p> <p>All specifications asked in tender should be supported by published literature preferably with publication number. Any claim deviating from published documents will not be entertained. Information in published documents attached with tender documents will be taken for final comparative. No letter head certified justification will be entertained.</p>
11	<p>Demonstration of Instrument: - Technical committee may ask for demo before taking final discussion in vendors lab with raw samples.</p>
12	<p>System should be upgradable with Automatic software controlled Fraction collector in near future with quoted software.</p>
13	<p>Notes:-</p> <p>a. Vendor should have ISO 9001 Certification.</p> <p>b. All the requirements laid down under the above specifications must carefully read and understood before claiming your instrument as “complied”.</p> <p>c. Please provide compliance statement sheet with technical bid and if there is any deviation in above mentioned specifications should be clearly highlighted in remarks.</p> <p>d. User list should be attached along with literature.</p> <p>e. The vendor should have office or agents in India. Qualified technical and service personnel should be available in India (preferably in Chandigarh or Delhi).</p>
