



**भारतीय विज्ञान शिक्षा एवं अनुसंधान संस्थान तिरुपति**  
**INDIAN INSTITUTE OF SCIENCE EDUCATION AND RESEARCH TIRUPATI**

Srinivasapuram, Venkatagiri Road, Jangalapalli Village, Panguru (G.P),  
Yerpedu Mandal, Tirupati District, Andhra Pradesh India – 517619.

**CLARIFICATION ON TENDER NUMBER: IISERT/PUR/1110/25**

**ITEM DESCRIPTION- SUPPLY, INSTALLATION AND COMMISSIONING OF SEMI PREPARATIVE HPLC SYSTEM WITH UV ELSD DETECTOR AND FRACTION COLLECTOR.**

Tender Reference Number – IISERT/PUR/1110/25 dated 16/02/2026 for Supply, Installation and Commissioning of Semi Preparative HPLC System with UV ELSD Detector and Fraction Collector.

Pre-Bid meeting was held on Feb 23<sup>rd</sup>, 2026 at 04.00 Hrs. via Google Meet and minutes of meeting is as under.

At the outset, the Purchase Team welcomed all the Members and the representative of the Prospective Bidders and briefed in general the scope of the Project and thereafter briefed 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 and Annexure-III**.

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 Tirupati 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 <http://www.iisertirupati.ac.in/> and <https://eprocure.gov.in/eprocure/app> will remain unchanged. No more correspondence in this regard will be entertained

DATE:23/02/2026

Sd/-  
Deputy Registrar





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ANNEXURE -II

PRE-BID CONFERENCE FOR SUPPLY, INSTALLATION AND COMMISSIONING OF SEMI PREPARATIVE HPLC SYSTEM WITH UV ELSD DETECTOR AND FRACTION COLLECTOR.

TECHNICAL QUERIES AND CLARIFICATION

TENDER NUMBER -: IISERT/PUR/1110/25

PRE-BID DATE:23/02/2026

S.No	Query/Clarification Sought	Clarification / Amendment
1	<b>Liquid Pump – Binary Gradient:</b> <b>Requested amendment:</b> High pressure binary gradient system instead of two individual pumps.	<b>Not accepted.</b> Two independent pumps are considered essential for ensuring accurate gradient formation, precise solvent proportioning, and reliable system performance.
2	<b>Liquid Pump – Binary Gradient:</b> <b>Requested amendment:</b> Pump should have on-board pulse dampening, efficient mixing, and pulse-free solvent flow.	<b>Not accepted.</b> The specified parallel-type double plunger design is considered adequate for providing pulse-free operation and efficient solvent mixing.
3	<b>Column Holder: Requested amendment:</b> Column holder for both analytical and semi-prep columns up to 10 mm ID.	<b>Not accepted.</b> The existing specification is considered adequate for meeting the intended analytical and research applications.
4	<b>PDA Detector: Requested amendment:</b> Only D2 lamp.	<b>Not accepted.</b> Both Deuterium and Tungsten lamps or PDA are considered necessary for achieving complete UV–Visible spectral coverage.
5	<b>PDA Detector: Requested amendment:</b> 512/1024 photodiode elements.	<b>Not accepted.</b> A 1024 diode array is preferred to ensure superior spectral resolution and enhanced sensitivity.
6	<b>PDA Detector: Requested amendment:</b> Spectral resolution $\leq \pm 1.2$ nm or better.	<b>Not accepted.</b> The specified spectral resolution ( $\leq \pm 1.4$ nm) is considered sufficient for high-performance analytical requirements.
7	<b>PDA Detector: Requested amendment:</b> Noise $\leq 10 \times 10^{-6}$ AU.	<b>Not accepted.</b> The lower noise specification is required to achieve improved sensitivity and reliable trace-level detection.
8	<b>PDA Detector: Requested amendment:</b> Drift $\leq 1.0 \times 10^{-3}$ AU/hour.	<b>Not accepted.</b> The lower drift specification is required to ensure baseline stability and analytical reproducibility.



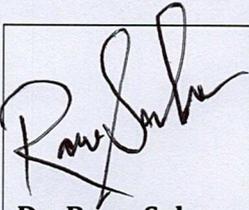
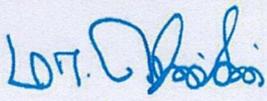
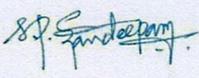
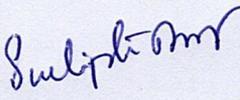
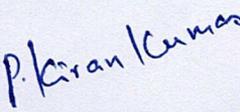


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9	<b>PDA Detector: Requested amendment:</b> Linearity $\leq 5\%$ at 2.0 AU, propylparaben, 257 nm.	<b>Not accepted.</b> ASTM-compliant linearity is considered essential for validated and accurate quantitative analysis.
10	<b>PDA Detector: Requested amendment:</b> Flow cell 8.4 $\mu$ L analytical and semi-prep flow cell.	<b>Not accepted.</b> A higher pressure-rated optimized flow cell is required to ensure UHPLC compatibility and improved sensitivity.
11	<b>PDA Detector: Requested amendment:</b> Temperature-controlled flow cell should be removed.	<b>Not accepted.</b> Temperature control is considered necessary to improve baseline stability and analytical reproducibility.
12	<b>ELSD: Requested amendment:</b> Nanogram sensitivity specification should be removed.	<b>Accepted. Amendment:</b> removed
13	<b>ELSD: Requested amendment:</b> N <sub>2</sub> gas flow 1.8 L/min at 25 psi.	<b>Not accepted.</b> A higher nitrogen gas flow range is considered necessary to provide flexibility across diverse analytical applications.
14	<b>ELSD: Requested amendment:</b> Sampling rate 80 points.	<b>Not accepted.</b> A higher sampling rate ( $\geq 100$ Hz) is required to ensure accurate peak acquisition during fast chromatographic separations.
15	<b>ELSD: Requested amendment:</b> Add nitrogen generator instead of cylinder.	<b>Not accepted.</b> No change in specification
16	<b>Recycle Valve: Requested amendment:</b> Suitable recycling valve option should be provided to column eluent for achieving better separation to be removed.	<b>Not accepted.</b> A recycling valve is considered essential for improving separation efficiency, peak purity, and analytical method flexibility.

Technical Committee:

 Dr. Rana Saha IISER Tirupati	 Prof. M Jeganmohan IIT Madras	 Dr. P Gandeepan IIT Tirupati	 Dr. Sudipta Roy IISER Tirupati	 Dr. Kiran Kumar IISER Tirupati
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**ANNEXURE -III**

**PRE-BID CONFERENCE FOR SUPPLY, INSTALLATION AND COMMISSIONING OF SEMI  
PREPARATIVE HPLC SYSTEM WITH UV ELSD DETECTOR AND FRACTION COLLECTOR.**

**COMMERCIAL QUERIES AND CLARIFICATION**

**TENDER NUMBER -: IISERT/PUR/1110/25**  
**PRE-BID DATE:23/02/2026**

<b>Sr. No</b>	<b>Query/Clarification Sought</b>	<b>Clarification / Amendment</b>
1	NIL	NIL

