

Minutes of Pre-Bid Conference (PBC) held on 08-07-2024 for proposed procurement of "Supply, installation and commissioning of "Preparative Liquid Chromatography"

Chairpersons / Members of the Technical Sub Committee (TSC) present during PBC including domain experts present during PBC:-

1. Dr. N. Lingaiah, Chairman
2. Dr. Pratyay Basak, Member
3. Dr. Sreepriya Vedantam, Member
4. Sri. D. Venkateswara Rao, Member
5. IO/PL – Dr. L. Ravithej Singh

Representatives of the following firm attended the PBC:

1. M/s iNEXUS Biotech Pvt.Ltd
2. M/s Agilent Technologies India Pvt.Ltd
3. M/s Smart Labtech Pvt.Ltd
4. M/s Spinco Biotech Pvt.Ltd

The following points were discussed during the PBC:

Query raised by M/s. iNEXUS Biotech Pvt.Ltd, and response of CSIR-IICT:

Query-1: On **item 1.4**: Requested to amend flow rate accuracy from "no more than  $\pm 1\%$ " to "no more than  $\pm 2\%$ ".

Response: Technical Sub Committee approved the request

Query-2: On **item 1.5**: Requested to amend flow rate precision from "No more than 0.1% RSD" to "No more than  $\leq 0.3\%$  RSD" and exclude SD specification

Response: Technical Sub Committee approved the request

Query-3: On **item 4.3**: Requested to amend Wavelength accuracy from " $\pm 1$  nm" to " $\pm 2.5$  nm"

Response: No compromise with accuracy of UV-VIS Detector. Technical Sub Committee denied the amendment request

Query-4: On **item 4.4**: Requested to amend Drift from "less than  $1 \times 10^{-4}$  AU/Hour" to "less than  $3 \times 10^{-4}$  AU/Hour"


Response: No compromise with accuracy and precision of UV-VIS Detector. Technical Sub Committee denied the amendment request

Query-5: On **item 4.5**: Requested to amend Noise level from " $0.5 \times 10^{-5}$  AU" to " $1.5 \times 10^{-5}$  AU"

Response: No compromise with accuracy and precision of UV-VIS Detector. Technical Sub Committee denied the amendment request

Query-6: On **item 4.6**: Requested to amend Bandwidth from "8nm" to "11nm"

Response: No compromise with accuracy and precision of UV-VIS Detector. TSC denied the amendment request

  
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**Query raised by M/s. Agilent Technologies India Pvt.Ltd., and response of CSIR-IICT:**

Query-1: On **item 1.1**: Requested to amend the maximum flow rate from "50.0 mL/min" to "20mL/min to 50 mL/min"

Response: TSC approved the request

Query-2: On **item 4.1**: Requested to amend wavelength rage from "190nm-700nm" to "190nm – 600 nm"

Response: TSC approved the request

Query-3: On **item 4.7**: Requested for flow cell detail specification

Response: "Path length of the flow cell should be  $\leq 0.5$  mm".

**Query raised by M/s. Smart Labtech Pvt.Ltd., and response of CSIR-IICT:**

Query-1: On **item 1.2**: Requested to exclude "parallel type" wording from specifications

Response: TSC approved the request

Query-2: On **item 1.3**: Requested to exclude this wording from specifications

Response: TSC approved the request

Query-3: On **item 4.2**: Requested to exclude this wording from specifications

Response: TSC approved the request

Query-4: On **item 4.7**: Requested for flow cell detail specification

Response: "Path length of the flow cell should be  $\leq 0.5$  mm". Included in amended specifications.

**Query raised by M/s. Spinco Biotech Pvt.Ltd., and response of CSIR-IICT:**

Query-1: On **item 1.1**: Requested to amend the maximum flow rate from "50.0 mL/min" to "20mL/min to 50 mL/min"

Response: TSC approved the request

Query-2: On **item 4.7**: Requested for flow cell detail specification

Response: "Path length of the flow cell should be  $\leq 0.5$  mm". Included in amended specifications.


**Query raised by M/s. Camtek Labs ., and response of CSIR-IICT: (By Email)**

Query-1: On **item 1.5**: Requested to amend flow rate precision from "No more than 0.1% RSD" to "No more than  $\leq 0.3\%$  RSD"

Response: Technical Sub Committee approved the request

Query-2: On **item 4.1**: Requested to amend wavelength rage from "190nm-700nm" to "190nm – 600 nm"

Response: TSC approved the request

  
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Query-3: On **item 4.2**: Requested to amend the wording from specifications

Response: This specification is removed

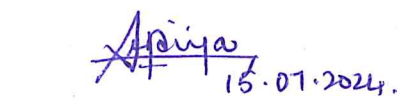
Query-4: On **item 4.6**: Requested to amend this specification as "Slit width 6.5 nm typical over whole wavelength range"

Response: No compromise with accuracy and precision of UV-VIS Detector. TSC denied the amendment request


**Points clarified by CSIR-IICT Team during PBC:**

The representatives of the participating firm/further informed that they do not have any issue or suggestion with respect to other points of tendered specifications and related requirements given in the tender document. Participating bidders have been informed that points raised by them during PBC will be examined by CSIR-IICT's **Technical Sub Committee (TSC)/Technical team** constituted for the purpose of procurement of said equipment and **post PBC changes** in tendered specifications and requirements to be agreed after due consideration of the same by TSC, **if any**, will be uploaded in **CPPP** as part of **revised/amended tendered specifications** along with CSIR-IICT website [www.iict.res.in](http://www.iict.res.in) on or before \_\_\_\_\_. All bidders are requested kindly to take a note of the changes, if any, in tendered specifications subsequent to **PBC** held today, i.e. 08-07-2024 before they start submitting their online bids through CPPP.

  
15/07/2024  
(Dr. Pratyay Basak)  
Member

  
15.07.2024  
(Dr. Sreepriya Vedantam)  
Member

  
15/7/24  
(Sri. D. Venkateswara Rao)  
Member

  
15/7/24  
(Dr. L. Ravithej Singh)  
IO/PL

  
15/7/2024  
(Dr. N. Lingaiah)  
Chairperson

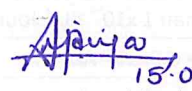
**Pre-bid Minutes held on 8<sup>th</sup> July 2024 for proposed procurement of Preparative Liquid Chromatography and Specifications (One Unit)**

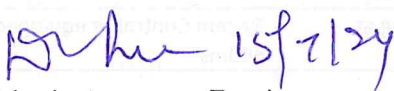
Sl. No.	Specifications (Old)	Specifications (Amended)
<b>1</b>	<b>Solvent Delivery – 2No.</b>	
1.1	The flow rate setting range of pump should be 0.01 to 50.00 mL/min	The flow rate setting range of pump should be min 0.01 to max 20mL/min to 50.00 mL/min
1.2	Solvent Delivery method: Parallel type – double plunger	Solvent Delivery method: <b>double plunger</b>
1.3	Plunger capacity: 250 µL	<b>Removed</b>
1.4	Flow rate accuracy should be No more than ±1% (1 mL/min, 10 MPa)	Flow rate accuracy should be No more than <b>±2%</b>
1.5	Flow rate precision should be No more than 0.1% RSD or 0.02 min SD, whichever is greater.	Flow rate precision should be No more than <b>≤0.3% RSD</b>
1.6	Pressure setting range should be up to (6000 psi) 42 MPa.	Pressure setting range should be up to (6000 psi) 42 MPa.
1.7	Should provide Gradient Mixer for Prep & Analytical	<b>Should provide Gradient Mixer for Prep</b>
1.8	It should have functions for maintenance and validation which are accessible by a dedicated operation button	<b>Removed</b>
<b>2</b>	<b>Manual Injector with mounting plate</b>	
2.1	Manual Injector with loops 2mL, 5mL and 10 mL	Manual Injector with loops 2mL, 5mL and 10 mL
<b>3</b>	<b>Column Holder</b>	
3.1	To hold Preparative Columns	To hold Preparative Columns
<b>4</b>	<b>High-Sensitive UV-VIS Detector</b>	
4.1	Wavelength range Should be 190 nm - 700 nm.	Wavelength range Should be 190 nm - <b>600 nm.</b>
4.2	Built-in temperature-controlled flow cell - temperature range from 5 °C above room temperature to 45°C	<b>Removed</b>
4.3	Wavelength accuracy Should be ±1 nm	Wavelength accuracy Should be ±1 nm
4.4	Drift Should be less than 1 x10 <sup>-4</sup> AU/Hour	Drift Should be less than 1 x10 <sup>-4</sup> AU/Hour
4.5	Noise Level Should be 0.5x10 <sup>-5</sup> AU.	Noise Level Should be 0.5x10 <sup>-5</sup> AU.
4.6	Bandwidth Should be 8nm.	Bandwidth Should be 8nm.
4.7	Preparative flow cell.	<b>Preparative flow cell with path length ≤ 0.5 mm</b>
4.8	Linearity of 2.5AU or better.	Linearity of 2.5AU or better.
<b>5</b>	<b>Controller along with Chromatography software</b>	
5.1	System Controller equipped with data Buffering at 500ms	System Controller equipped with data Buffering at 500ms
5.2	Operating temperature range: 4 to 35 deg C	Operating temperature range: 4 to 35 °C
5.3	Central control of pumps, detectors, auto-injectors, Oven & complete modules of each System through software.	Central control of pumps, detectors, auto-injectors, Oven & complete modules of each System through software.
5.4	Digital acquisition & processing system ensures speed & stability of data	Digital acquisition & processing system ensures speed & stability of data
5.5	Single access point for system administration, data acquisition, post run analysis and long – term data management.	Single access point for system administration, data acquisition, post run analysis and long – term data management.
<b>6</b>	<b>Installation Accessories</b>	
6.1	Suitable PC and Printer	Suitable PC [at least of configuration: Windows 11 OS, Processor i7, 12 <sup>th</sup> generation (or above), 64 GB RAM, 1 TB SSD/HDD with graphics card] and Printer (Ink tank color printer)

*[Handwritten Signature]*  
15/7/24


6.2	Tray to place Mobile phase bottles	Tray to place Mobile phase bottles
6.3	Solvent Bottles with Cap 5/pkt – 1 No	Solvent Bottles with Cap 5/pkt – 1 No
6.4	5KVA UPS with built in Isolation Transformer with 30 minutes Battery back-up	<b>Removed</b>
6.5	Sample & Solvent filtration assembly with Vacuum Pump for filtration & degassing of mobile phase & sample.	Sample & Solvent filtration assembly with Vacuum Pump for filtration & degassing of mobile phase & sample.
<b>7</b>	<b>Other Requirements</b>	
7.1	The supplier must provide Application based training for the users on the usage of instrument and support for analysis after the installation at our site for 3 days.	The supplier must provide Application based training for the users on the usage of instrument and support for analysis after the installation at our site for 3 days.
7.2	Software upgrades like version ups, if any, should be done without any cost in next 5 years.	Software upgrades like version ups, if any, should be done without any cost in next 5 years.
7.3	The software should be 21 CFR compliance (Document proof must be attached).	The software should be 21 CFR compliance (Document proof must be attached).
7.4	All modules must be GLP compliant	All modules must be GLP compliant
7.5	A declaration of System Validation certificate must be provided.	A declaration of System Validation certificate must be provided.
7.6	Warranty - 3 Year	Warranty - 3 Year

  
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