

CPPP Tender ID : 2023_CSIR_179782_1

Minutes of Pre-Bid Conference (PBC) held on 09-01-2024 for proposed procurement of "Supply, Installation and commissioning of AUTOMATIC FLASH CUM PREPARATIVE HPLC" –

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. Jithender Reddy, Member
4. Shri D Venkateshwar Rao, Member
5. IO/PL – Dr. G. Sudhakar

Representatives of the following firm attended the PBC:

1. M/s Septech Marketing LLP (TELEDYNE ISCO)
2. M/s Gilson (Email Queries)
3. M/s Advion Interchim Scientific Pvt Ltd. (Email Queries)

The following points were discussed during the PBC:

1. Query raised by M/s. Septech Marketing LLP (TELEDYNE ISCO), and response of CSIR-IICT:

Query-1: Changing of Point 3: Solvent flow rate: 5 to 200ml/min or up to 200ml/min
Response: It is amended to "upto 200ml/min"

Query-2: Changing of Point 4: Pumping system with pressure range: up to 240 bar or above for prep HPLC & 13 bar or above for Flash
Response: This may not be required as it is in the specified range.

Query-3: Changing of Point 8: Compatible for both standard and reversed phase purification conditions and solid injection for Flash mode and Automatic injector for liquid injection in Prep Mode, and variable volume liquid load (loop of 2 mL (1 number), 5 mL (1 number), and 10 mL (1 number)) for Prep.

Response: It is amended as per the request



2. Query raised by M/s. Gilson (Email), and response of CSIR-IICT:

Query-1: Requested Amendment of Pint 4: *Pumping system with pressure range: up to 230 bar or above for prep HPLC & upto 50 bar for Flash.*

Response: It is amended to "up to 230 bar or above for prep HPLC & upto 50 bar for Flash"

Query-2: Requested Amendment of Pint 5: Reservoir solvent sensor- All inlet and outlet reservoirs should have level sensors for solvent management or system *Should have Solvent Management System.*

Response: It is amended as per the request

Query-3: Requested Amendment of Pint 20: Safety features- the system should have a safety feature e.g., *overpressure alert, leak alert, rack sensor-automatic stop of flow if the collection rack containing all test tubes is filled up and racks are not in the fraction collector and rack is not in the exact position in the fractioncollector bed, and grounded solvent path etc. Fraction collection racks- 02 or more for 25 ml; 02 for 50 ml, and respective collection tubes (100 numbers or more for each rack) should be provided.*

Response: As sensor is essential for safety feature, it is not possible to amend.

Query-4: Requested Amendment of Pint 21: The system should have Rack RFID/ *Rack Detection System.*

Response: It is amended as per the request

3. Query raised by M/s. Advion Interchim Scientific Pvt Ltd. (Email), and response of CSIR-IICT:

Query-1: Requested Amendment of Point 3: *amend the same to 1 to 200 ml/min.*

Response: It is amended to "upto 200ml/min"

Query-2: *PBG - As per the tender notification which is prior to the current GOI notification dated 01.01.2024, PBG value is for 10%. However, we refer to clause no.3 of the GOI notification where in there is provision to apply revised PBG condition for tenders not yet opened. Since the current tender is not even submitted and the submission date itself only 27.01.2024. We believe the PBG condition may be amended as per the new notification.*

Response: Applicable as per current GOI instructions



Points clarified by CSIR-IICT Team during PBC:

The firm informed that they do not have problem with other points of tendered specifications and requirements. Participating bidders have been informed that points raised by them during PBC will be examined by CSIR-IICT's **Technical Sub Committee (TSC)** 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**.

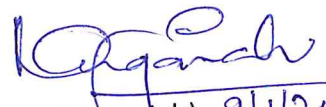
Minutes of the PBC with changes agreed (if any) will be uploaded in due course at **CPPP** for information and reference of prospective bidders on or before **12-01-2024**. All bidders are requested kindly to take a note of changes in tendered specifications subsequent to PBC held today, i.e. 09-01-2024 before they start submitting their online bids through **CPPP**.


(Dr. Pratyay Basak)
Member


(Dr Jithender Reddy)
Member


(D Venkateshwar Rao)
Member


(Dr. G. Sudhakar)
IO/PL


(Dr. Dr N Lingajah) 9/1/2024
Chairperson


Revised Specifications/Corrigendum

Dt 09-01-2024


File Ref. No. PUR/IICT/DMS/564/23-24


S. No. & (Point No.)		Amended Specifications
1 (Point 3)	Solvent flow rate: 0-200 ml/min or better (for both Prep and Flash modes)	Solvent flow rate: upto 200ml/min or better (for both Prep and Flash modes)
2 (Point 4)	Pumping system with pressure range: up to 240 bar or above for prep HPLC & upto 50 bar for Flash	Pumping system with pressure range: up to 230 bar or above for prep HPLC & upto 50 bar for Flash
3 (Point 5)	Reservoir solvent sensor- All inlet and outlet reservoirs should have level sensors for solvent management.	Reservoir solvent sensor- All inlet and outlet reservoirs should have level sensors for solvent management or system should have solvent management system.
4 (Point 8)	Compatible for both standard and reversed phase purification conditions and for Liquid and Solid Injections with automatic Injection valve for sample loading both solid & liquid, and variable volume liquid load (loop of 2 mL (1 number), 5 mL (1 number), and 10 mL (1 number)) for Prep.	Compatible for both standard and reversed phase purification conditions and for Liquid and solid injection for Flash mode and automatic injector for liquid injection in Prep Mode , and variable volume liquid load (loop of 2 mL (1 number), 5 mL (1 number), and 10 mL (1 number)) for Prep.
5 (Point 21)	The system should have Rack RFID	The system should have Rack RFID/ Rack Detection System.
6 (Point 29)	-	Training and instrument familiarisation should be completed by the vender according to the satisfaction of the end-user after installation at the site for free of cost.


All the other tender terms remains unchanged. Bidders may please submit their bids accordingly.


(Dr. Pratyay Basak) 09/01/2024
Member


(D Venkateshwar Rao)
Member


(Dr. Jithender Reddy)
Member


(Dr. G. Sudhakar)
IO/PL


(Dr. Dr N Lingaiah) 9/1/2024
Chairperson

Specifications for Flash cum Preparative HPLC Chromatography System (Amended Specifications 09-01-2024)

1. A compact bench-top Flash-Prep Chromatography System
2. Four solvent inlets, solvent composition- Isocratic and gradient (binary/quaternary) with linear, step profile
3. Solvent flow rate: **upto 200ml/min or better (for both Prep and Flash modes)**
4. Pumping system with pressure range: **up to 230 bar or above for prep HPLC & upto 50 bar for Flash**
5. **Reservoir solvent sensor- All inlet and outlet reservoirs should have level sensors for solvent management or system should have solvent management system.**
6. Detection with built-in 200-800nm and additional flow cell & lamp must be included
7. Wavelength accuracy- 1 nm or better
8. Compatible for both standard and reversed phase purification conditions and for Liquid and **solid injection for Flash mode and automatic injector for liquid injection in Prep Mode**, and variable volume liquid load (loop of 2 mL (1 number), 5 mL (1 number), and 10 mL (1 number)) for Prep.
9. Up Gradation-System should have the provision/scope for upgrading to Mass Spec, and ELSD detector connectivity and advanced automation features like auto sampler etc.
10. Peak collection- Should be based on UV-Vis with provisional/scope for upgrading to MS & ELSD detector
11. Fraction accuracy- $\pm 6\%$ or better
12. Sample split ratio should be minimal and defined.
13. Fraction collection rack sensor- Should have facility for fractions collection rack sensing
14. Automatic cleaning of the fraction collector needle
15. Empty sample loader cartridges along with necessary connectors/frits/luer/adaptors should be provided
16. Inbuilt air purging feature should be available or external compressor should be provided
17. Chromatographic operations, data acquisition, and transfer: Should have real-time method editing of all parameters, method scale-up feature
18. User interface preferably with touch screen not less than 10 inches and suitable software for operation of the machine, and should have real time method editing of all parameters, method scale up feature, and lifetime upgradation of software should be included in the technical offer at no additional cost
19. System should have a processed data transfer facility, preferably with a USB port or LAN
20. Safety features- the system should have a safety feature e.g., overpressure sensor, leak sensor, rack sensor-automatic stop of flow if the collection rack containing all test tubes is filled up and racks are not in the fraction collector and rack is not in the exact position in the fraction collector bed, and grounded solvent path etc. Fraction collection racks- 02 or more for 25 ml; 02 for 50 ml, and respective collection tubes (100 numbers or more for each rack) should be provided.
21. **The system should have Rack RFID/ Rack Detection System.**
22. The system should be compatible to use the glass columns/steel columns
23. The system should have the flexibility of using any make flash columns available in the market and option to switch from Flash to HPLC Prep mode and Prep to Flash mode.



24. The system should be provided with all necessary tubing, empty sample loader cartridges along with necessary connectors/frits/luer/adaptors should be provided etc. for installation and smooth functioning of the instrument.

25. Software for data acquisition, processing & reporting should be provided, and lifetime free upgradation should be provided at free of cost.

- Prepacked Flash Silica columns
 - i) 4g to 5g: 20 Nos or more
 - ii) 10g to 12g: 18 Nos or more
 - iii) 20g to 30g: 12 Nos or more
 - iv) 40g to 50g: 12 Nos or more
- Empty loader cartridges of following sizes and numbers should be supplied along with the system:
 - i) 10g to 12g: 20 Nos or more
 - ii) 20g to 30g: 40 Nos or more
 - iii) 40g to 50g: 20 Nos or more
 - iv) 80g to 100g: 10 Nos or more
 - v) 200 to 220g: 10 Nos or more
 - vi) 300 to 330g: 10 Nos or more
- Prepacked C18 cartridges of following sizes and numbers should be supplied along with the system
 - i) 20g to 30 g: 2 Nos or more
 - ii) 40g to 50 g: 2 Nos or more
- Preparative Reusable C18 Reversed-Phase columns (10um 250*21.2 mm) or equivalent with guard column, C8 column (5um 150*21.2mm), and chiral column (Daicel chiral technologies IC, 5um 30*250 mm, Cellulose tris(3,5-dichlorophenylcarbamate))

25. Connection voltage: 100-240 V/50Hz

26. Suitable UPS should be provided as standard.

27. The firm should have a record of supplying the similar type of equipment to at least three Government Institutes/PSU's/Academic Institutes in India in last five years.

28. Warranty: Three years against manufacturing defects and malfunction.

29. Training and instrument familiarisation should be completed by the vender according to the satisfaction of the end-user after installation at the site for free of cost.


09/01/2024