

Minutes of Pre-Bid Conference (PBC) held on 13-10-2023 for proposed procurement of "Flash cum Preparative HPLC Chromatography System" –  
As scheduled (PBC) has been conducted on 13-10-2023 for proposed procurement Flash cum Preparative HPLC Chromatography System.

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

1. Dr. Pratyay Basak, Chairman
2. Dr. Jithender Reddy, Member
3. Shri D Venkateshwar Rao, Member
4. IO/PL – Dr G Sudhakar

**Representatives of the following firm attended the PBC:**

1. M/s Septech Marketing
2. M/s AdvionInterchim Scientific, Hyd

**The following points were discussed during the PBC:**

**Query raised by M/s.Septech Marketing, and response of CSIR-IICT:**

Query-1: Are they two different solvent flow rates of 0-100 mL/min or better (Prep mode) and 0-200 mL/min or better (Flash mode)?

Response: CSIR-IICT clarified that it should be 0-200 mL/min or better for both Prep and Flash mode

Query-2: Is it possible to change the pumping system with a pressure range of upto 50 bar for Flash to 12 bar or above

Response: This specified range covers a wide range of chromatography applications, and it would be an opportunity to quote reputed chromatographic systems manufacturers; thus CSIR-IICT did not accept.

Query-3: There are three different size loops (2 mL, 5 mL, and 10 mL); would providing only a 10 mL loop meet the requirement?

Response: CSIR-IICT clarified that three different size loops (2 mL, 5 mL, and 10 mL) should be provided one each.

Query-4: Is a software upgrade required?

Response: CSIR-IICT asked for lifetime software upgradation with no additional cost

Query-5: Fraction collection racks number based on the volume of the collection tubes?

Response: CSIR-IICT clarified that Fraction collection racks 02 or more for 25 mL and 02 or more for 50 mL and respective collection tubes (100 or more for each rack) should be provided.

Query raised by M/s.AdvionIntechim, and response of CSIR-IICT:

Query-1: Both 200-400nm and 200-800 nm PDA detectors or any one of them?

Response: CSIR-IICT clarified that 200-800 nm PDA detector should be provided

Query-2: A separate compressor is needed for air purging?

Response: CSIR-IICT made it clear that air purging should be inbuilt or through an external compressor

Query-3: Is software upgradation required for data acquisition, processing & reporting

Response: CSIR-IICT asked for lifetime free upgradation should be provided

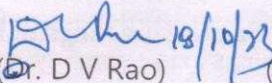
Query-4: Are empty loader cartridges 120 to 150 g replaced with bigger sizes?

Response: CSIR-IICT accepted for 200-220 g (10 Nos) and 300-330g (10 Nos)

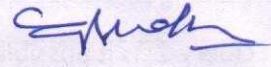
Points clarified by CSIR-IICT Team during PBC:

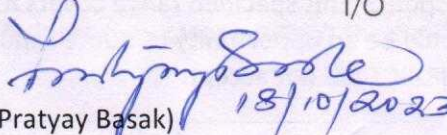
The firm informed that they do not have problem with other points of tendered specifications and requirements. Participating bidders have been informed that points raised by them during PBC will be examined by CSIR-IICT's **Technical Sub Committee (TSC)** constituted for the purpose of procurement of 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 **21.10.2023**. All bidders are requested kindly to take a note of changes in tendered specifications subsequent to PBC held today, i.e. 13-10-2023 before they start submitting their online bids through CPPP.

 18/10/23  
(Dr. D V Rao)  
Member

 18/10/23  
(Dr. Jithender Reddy)  
Member

  
(Dr. Sudhakar)  
I/O

 18/10/2023  
(Dr. Pratyay Basak)  
Chairperson

Revised Specifications/Corrigendum

File Ref. No. PUR/IICT/DMS/564/22-23

Dt 13.10.2023

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:0-200 ml/min or better (for both Prep and Flash modes)
4. Pumping system with pressure range: up to 240 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.
  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 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.
  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
  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.
- Packed 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

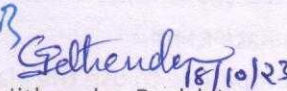
26. Suitable UPS should be provided as standard.

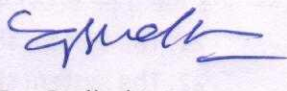
27. The firm should have a record of supplying the similar type of equipment to at least three Government Institutes/PSU's/Academic Institutes in India in last five years.

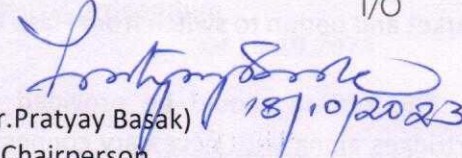
28. Warranty: Three years against manufacturing defects and malfunction.

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

  
(Dr. D V Rao)  
Member

  
(Dr Jithender Reddy)  
Member

  
(Dr. Sudhakar)  
I/O

  
(Dr. Pratyay Basak)  
Chairperson