



भारतीय
प्रौद्योगिकी
संस्थान
काशी हिन्दू विश्वविद्यालय



INDIAN
INSTITUTE OF
TECHNOLOGY
BANARAS HINDU UNIVERSITY

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Ref No. IIT(BHU)/PH/SST/2023-24/06

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Dated: 24 July, 2023

CORRIGENDUM-1

Tender Reference No: IIT(BHU)/PH/SST/ICMR 2023-24/FC/01 Dated: 13.07.2023

Procurement of Automated Flash Chromatography System 1 unit

	Tender Terms/ Specifications For	Modified Tender Terms/ Specifications Read
Section 8: Annexure 1 Page No 36, SCHEDULE OF REQUIREMENTS Description /Technical Specification: Automated Flash Chromatography System		
1.	At Page No.: 36, Sl. No.: 8 Fraction collector with different size racks. Automatic rack detection system & no run without proper rack selection and if racks are full should pause the run.	At Page No.: 36, Sl. No.: 8 Fraction collector with 18 mm tube (20-25 ml) size with detection system & no run without proper rack selection and if racks are full should pause the run.
2.	At Page No.: 36, Sl. No.: 12 1-600VA	At Page No.: 36, Sl. No.: 12 1-2 KVA UPS
3.	At Page No.: 36, Sl. No.: 13 Stainless steel or Glass column along with prepacked columns of different load sizes (500 mg, 2g, 4g and 12g- 1 pack of each), Silica 230-400 mesh size	At Page No.: 36, Sl. No.: 13 Optional term has been removed (point no. 13). Stainless steel or Glass column compatible with the system along with prepacked columns of 4gm, 12 gm and 20 gm (2 packs of each) cartridges have been amended. (point no. 13)
4.	At Page No.: 36, Sl. No.: 15 Minimum 10 performance certificate/installation report in IITs/NITs/Central Govt. Institutions / Central Universities should be enclosed.	At Page No.: 36, Sl. No.: 15 Minimum 10 performance certificate/installation report in IITs/NITs/reputed Pharmaceutical industries/Central Govt. Institutions / Central Universities should be enclosed.
Section 8: Annexure 2 Page No 37, TECHNICAL COMPLIANCE STATEMENT		
5.	At Page No.: 37, Sl. No.: 8 Fraction collector with different size racks. Automatic rack detection system & no run without proper rack selection and if racks are full should pause the run	At Page No.: 37, Sl. No.: 8 Fraction collector with 18 mm tube (20-25 ml) size with detection system & no run without proper rack selection and if racks are full should pause the run.
6.	At Page No.: 37, Sl. No.: 12 1-600VA	At Page No.: 37, Sl. No.: 12 1-2 KVA UPS
7.	At Page No.: 37, Sl. No.: 13 Stainless steel or Glass column along with prepacked columns of different load sizes (500 mg, 2g, 4g and 12g- 1 pack of each), Silica 230-400 mesh size	At Page No.: 37, Sl. No.: 13 Optional term has been removed (point no. 13). Stainless steel or Glass column compatible with the system along with prepacked columns of 4gm, 12 gm and 20 gm (2 packs of each) cartridges have been amended. (point no. 13)
8.	At Page No.: 37, Sl. No.: 15 Minimum 10 performance certificate/installation report in IITs/NITs/Central Govt. Institutions / Central Universities should be enclosed.	At Page No.: 37, Sl. No.: 15 Minimum 10 performance certificate/installation report in IITs/NITs/reputed Pharmaceutical industries/Central Govt. Institutions / Central Universities should be enclosed.

All other contents of the aforementioned tender document shall remain unchanged.

PI Signature:



Dr. S. K. SHRIVASTAVA
Professor

SECTION 8

ANNEXURE-1

SCHEDULE OF REQUIREMENTS

TECHNICAL SPECIFICATIONS: Automated Flash Chromatography System

Sl. No.	Specification Name	Bid Requirement
1	Automated Flash Chromatography System	
2	Pumping system with maximum pressure capacity of 150 psi or more	
3	Flow rate	1 to 100 ml/min or more
4	Sample load Size	5 mg-10 gm (or more)
5	Detector	* Integrated PDA variable wavelength UV detector with automatic collection of fractions at all available wavelengths from 200 to 400 nm or more. * Option to connect Mass detector with display of chromatogram for UV & Mass detector in single run file. * Option to connect with the ELSD detector
6	Run type	Auto run extension and hold at the end of the run
7	Peak display & Peak purity	Real time & post run spectral display with peak purity by spectral ratio
8	Fraction Collector	Fraction collector with 18 mm tube size (20-25ml) with detection system & no run without proper rack selection and if racks are full should pause the run.
9	Screen Size (Display)	Fully automated touch screen of 25 cm or more with software control, real time method editing and scale up features, TLC Rf value for gradient conversion, and focused gradient. Complete control through one screen.
10	Safety features	Over pressure sensor, audible alarm & option of vapor enclosure for collection racks and grounded solvent path
11	Operating Range	10 - 45° C
12	UPS	1-2KVA
13	Columns and Cartridges and silica gel	Stainless steel or Glass column compatible with the system along with prepacked columns of 4gm, 12 gm and 20 gm (2 packs of each) cartridges have been amended. Silica 230-400 mesh size
14	Instrument should be supplied with following accessories:	1. Prepacked columns of different load sizes with cartridges (one time use only). 2. Fraction collector of different sizes (glass tubes). 3. Fraction collector racks according to supplied tubes.
15	Warranty and other requirements	With standard 3 years complete warranty and two years AMC on the system. We may ask one OR more year additional AMC on entire system.
		2-3 days training to the users twice after installation
		Supplier must submit authentic documents to prove their claim in meeting or deviating tender specification. Website link should also be provided to support the claim.
		Financial bid of the technically qualified vendor will be opened only after successful demonstration if institute wish to do so.
		Minimum 10 performance certificate/installation report in IITs/NITs/reputed Pharmaceutical industries/Central Govt. Institutions / Central Universities should be enclosed.

Note- Only those bidders who will quote rates of all the items will be consider for evaluation. Lowest bidder will be decided on overall L1 basis.


Dr. S. K. SHRIVASTAVA
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TECHNICAL COMPLIANCE STATEMENT**Tender for Automated Flash Chromatography System**

Sl No.	Specification Name	Bid Requirement	Whether the instrument complies with the required specification (Yes/No/Better)	If no or better specification, then provide your comment accordingly
1	Automated Flash Chromatography System			
2	Pumping system with maximum pressure capacity of 150 psi or more			
3	Flow rate	1 to 100 ml/min or more		
4	Sample load Size	5 mg-10 gm (or more)		
5	Detector	Integrated PDA variable wavelength UV detector with automatic collection of fractions at all available wavelengths from 200 to 400 nm or more. Option to connect Mass detector with display of chromatogram for UV & Mass detector in single run file. Option to connect with the ELSD detector		
6	Run type	Auto run extension and hold at the end of the run		
7	Peak display & Peak purity	Real time & post run spectral display with peak purity by spectral ratio		
8	Fraction Collector	Fraction collector with 18 mm tube size (20-25ml) with detection system & no run without proper rack selection and if racks are full should pause the run.		
9	Screen Size (Display)	Fully automated touch screen of 25 cm or more with software control, real time method editing and scale up features, TLC Rf value for gradient conversion, and focused gradient. Complete control through one screen.		
10	Safety features	over pressure sensor, audible alarm & option of vapor enclosure for collection racks and grounded solvent path		
11	Operating Range	10 - 45° C		
12	UPS	1-2 KVA		
13	Columns and Cartridges and silica gel	Stainless steel or Glass column compatible with the system along with prepacked columns of 4gm, 12 gm and 20 gm (2 packs of each) cartridges have been amended. Silica 230-400 mesh size		
14	Instrument should be supplied with following accessories:	4. Prepacked columns of different load sizes with cartridges (one time use only). 5. Fraction collector of different sizes (glass tubes) 6. Fraction collector racks according to supplied tubes		
15	Warranty and other requirements	With standard 3 years complete warranty and two years AMC on the system. We may ask one OR more year additional AMC on entire system.		
		2-3 days training to the users twice after installation		
		Supplier must submit authentic documents to prove their claim in meeting or deviating tender specification. Website link should also be provided to support the claim.		
		Financial bid of the technically qualified vendor will be opened only after successful demonstration if institute wish to do so.		
		Minimum 10 performance certificate/installation report in IITs/NITs/reputed Pharmaceutical industries/Central Govt. Institutions / Central Universities should be enclosed.		

The above compliance statement form is only indicative and can be modified according to requirements of the bidder.

(Handwritten signature)

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Dated: 24 July, 2023

CORRIGENDUM-2

Tender Reference No: IIT(BHU)/PH/SST/ICMR 2023-24/FC/01 Dated: 13.07.2023

Procurement of Automated Flash Chromatography System 1 unit

Bid Submission end date and Bid opening date:-

Bid submission end date has been extended till **11.08.2023** by **03:00 p.m.** and bid opening date will be **16.08.2023** at **03:00 p.m.**

All other contents of the aforementioned tender document shall remain unchanged.


PI Signature: 24/7/2023

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