



भारतीय विज्ञान शिक्षा एवं अनुसंधान संस्थान पुणे

INDIAN INSTITUTE OF SCIENCE EDUCATION AND RESEARCH PUNE

IISER/PUR/2027/23

PREBID CLARIFICATION ON GeM TENDER NUMBER - GEM/2023/B/4758694

Item Description- Procurement of Ultra-High-Performance Liquid Chromatograph - Electro spray ionization- Quadrupole- (UPLC-ESI-Q MS)- fraction collector system

अल्ट्रा-हाई-परफॉर्मेंस लिक्विड क्रोमैटोग्राफ - इलेक्ट्रोस्प्रे आयनीकरण- क्वाड्रुपोल- (UPLC-ESI-Q) की खरीद के लिए संस्थान की वेबसाइट www.iiserpune.ac.in और GeM पोर्टल पर 13/03/2024 को प्रकाशित एक खुली निविदा देखें। एमएस)- अंश संग्राहक प्रणाली।

Refer to an open tender published on the Institute website www.iiserpune.ac.in and on the GeM Portal on 13/03/2024 for procurement of Ultra-High-Performance Liquid Chromatograph - Electro spray ionization- Quadrupole- (UPLC-ESI-Q MS)- fraction collector system.

प्री-बिड मीटिंग 21/03/2024 को शाम 3.00 बजे आयोजित की गई और बैठक का कार्यवृत्त निम्नानुसार है:
Pre-Bid meeting was held on 21/03/2024 at 3.00 PM and minutes of meeting is as under:

प्रारंभ में, समिति ने सभी सदस्यों और संभावित बोलीदाताओं के प्रतिनिधियों का स्वागत किया और सामान्य तौर पर निविदा के दायरे की जानकारी दी और उसके बाद सहायक कुलसचिव (भंडार एवं क्रय) से बोली लगाने वालों को निविदा की मुख्य विशेषताओं के बारे में जानकारी देने का अनुरोध किया।

At the outset, the committee welcomed all the Members and the representative of the Prospective Bidders and briefed in general the scope of the tender and thereafter requested Assistant Registrar (S&P) to brief the bidders on the salient features of the tender.

उपस्थित प्रतिनिधि दिए गए उत्तरों से संतुष्ट थे और यह सूचित किया गया था कि प्री बिड कॉन्फ्रेंस के दौरान की गई चर्चा के अनुसार दिए गए सुधार- / परिवर्धन / स्पष्टीकरण को IISER पुणे की वेबसाइट पर होस्ट किया जाएगा और सभी संभावित बोलीदाताओं को बोली दस्तावेजों में निर्धारित अनुसार अपनी बोली जमा करने से पहले प्री-बिड सम्मेलन की कार्यवाही का संज्ञान लेना आवश्यक है।

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 Pune 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.

हमारी आईआईएसईआर वेबसाइट www.iiserpune.ac.in और GeM portal पर जारी नोटिस के अन्य नियम और शर्तें अपरिवर्तित रहेंगी। इस संबंध में और कोई पत्राचार नहीं किया जाएगा।

The other terms & conditions of the notice issued on our IISER website www.iiserpune.ac.in and GeM portal will remain unchanged. No more correspondence in this regard will be entertained.

बैठक अध्यक्ष के धन्यवाद प्रस्ताव के साथ समाप्त हुई।
The meeting ended with vote of thanks to the Chair.

27/03/2024

Sd/-
सहायक कुलसचिव (भंडारण एवं क्रय)
Assistant Registrar (S&P)

TECHNICAL AND COMMERCIAL QUERIES AND CLARIFICATION**PRE-BID CONFERENCE FOR ITEM DESCRIPTION- Ultra-High-Performance Liquid Chromatograph - Electrospray ionization- Quadrupole- (UPLC-ESI-Q MS)- fraction collector system**

S. No.	Query/Clarification Sought	Clarification / Amendment
	<u>Pump</u>	
1	Binary gradient pump with high pressure mixing. Should be capable of operating with 4 Solvents at a time during gradient operation.	Quaternary gradient pump with low pressure mixing. Should be capable of operating with 4 Solvents at a time during gradient operation.
2	Operating flow rate range to be 5 - 2000 µL/min or better, in 1-µL increments.	Operating flow rate range to be 5 - 2000 µL/min or better, in 1-µL increments. Bidder should specify the deviations, if any, with their advantages and disadvantages for the tender-specified applications.
3	Operating pressure should be ≥18000 psi (≥1200 bar).	Operating pressure should be up to 18000 psi (1200 bar).
4	System delay volume 400 µL, or better independent of system backpressure (with standard mixer).	System delay volume 400 µL, or better independent of system backpressure (with standard mixer) should be mentioned in the specifications sheet or must be demonstrated at the time of installation.
5	Capability to run columns from 1 - 10 µm particle sizes or better.	Capability to run columns from 1.7 - 10 µm particle sizes or better.
6	Gradient precision of 0.15% RSD or ± 0.4 min SD whichever is greater	Gradient precision of 0.15% RSD or ± 0.4 min SD whichever is greater. Bidder should specify the deviations, if any, with their advantages and disadvantages for the tender-specified applications.
7	<u>Autosampler</u> Sample Delivery Precision: < 0.5% RSD or better.	<u>Autosampler</u> Sample Delivery Precision: < 0.5% RSD or better. Bidder should specify the deviations, if any, with their advantages and disadvantages for the tender-specified applications.

8	<u>Column oven</u> Temperature precision: +/- 0.1 °C or better	<u>Column oven</u> Temperature precision: +/- 0.1 °C or better. Bidder should specify the deviations, if any, with their advantages and disadvantages for the tender-specified applications.
9	Preferably, two separate temperature zones	Preferably, two separate temperature zones. Bidder should specify the deviations, if any, with their advantages and disadvantages for the tender-specified applications.
	<u>Mass Spectrometer</u>	
10	MS ionization source: Electro-Spray Ionization (ESI) with orthogonal spraying for improved robustness equipped with self-cleaning heaters in both positive and negative modes.	MS ionization source: Electro-Spray Ionization (ESI) with orthogonal spraying.
11	Mass accuracy: ±0.01 Da.	Mass accuracy: ±0.01 Da. Bidder should specify the deviations, if any, with their advantages and disadvantages for the tender-specified applications.
12	Vacuum interlock system: Preferably, an in-built system that allows source and even capillary cleaning and maintenance while maintaining system vacuum.	Vacuum interlock system: Preferably, an in-built system that allows source and even capillary cleaning and maintenance while maintaining system vacuum. Please specify the deviations, if any, with their advantages and disadvantages for the tender-specified applications.
13	Polarity switching: Positive and negative mode spectral acquisition should be possible in a single run.	Polarity switching: Positive and negative mode spectral acquisition should be possible in a single run. Bidder should specify the deviations, if any, with their advantages and disadvantages for the tender-specified applications.
	<u>Fraction collector</u>	
14	Collector tray should be able to fit 2 ml autosampler vials and 20 ml tubes	Collector tray should be able to fit 2 ml autosampler vials, 4ml tubes and 20 ml tubes. Bidder should specify the deviations, if any, with their advantages and disadvantages for the tender-specified applications.
15	Delay Volume (in uL): around 50 uL from Fraction collector to divertor Valve.	Delay Volume (in uL): around 50 uL from Fraction collector to divertor Valve. Bidder should specify the deviations, if any, with their advantages and disadvantages for the tender-specified applications.
	<u>Software and data analysis tools</u>	

16	Software for non-targeted plant and soil metabolomics applications as well as other related and relevant applications mentioned, that can perform both qualitative and quantitative analyses with statistical tests, should be provided and quoted.	Software for non-targeted plant and soil metabolomics applications as well as other related and relevant applications mentioned, that can perform both qualitative and quantitative analyses with statistical tests, should be provided. Two licenses of the same latest version- one for the acquisition computer and one for the analysis computer with free upgrades for at least 5 years must be provided.
17	Two licenses of all the software (one for acquisition computer and one for data analysis computer) must be provided with free upgrades for at least 5 years.	Two licenses of all the software (same latest versions- one for acquisition computer and one for data analysis computer) must be provided with free upgrades for at least 5 years.
18	<u>Nitrogen supply</u>	<u>Nitrogen supply</u> Following technical specifications are added: <ul style="list-style-type: none"> • Details of the Nitrogen generator’s compatibility with the isolation transformer must be provided in the technical bid. • Whether additional nitrogen cylinders are required must be specified in the technical bid. • Bidder should specify the deviations, if any, with their advantages and disadvantages for the tender-specified applications.
19	<u>Warranty</u> Comprehensive warranty for at least 5 years for the entire system including all accessories and offline systems should be quoted.	Comprehensive warranty for at least 5 years for the entire system including all accessories and offline systems should be quoted. Details of the warranty coverage (whether the offer includes, number of visits, spares replacement, repairs, move, etc.)