



भारतीय विज्ञान शिक्षा एवं अनुसंधान संस्थान पुणे

INDIAN INSTITUTE OF SCIENCE EDUCATION AND RESEARCH PUNE

IISER/PUR/2028/23

PREBID CLARIFICATION ON GeM TENDER NUMBER - GEM/2023/B/5638404

आइटम विवरण - अल्ट्रा-हाई परफॉर्मेंस लिक्विड क्रोमैटोग्राफ- इलेक्ट्रोस्प्रे आयनीकरण- क्वाड्रुपोल- उड़ान का समय (यूपीएलसी-ईएसआई-क्यूटीओएफ) प्रणाली की खरीद।

Item Description - Procurement of Ultra-High Performance Liquid Chromatograph- Electrospray ionization- Quadrupole- Time of Flight (UPLC-ESI-QTOF) system.

अल्ट्रा-हाई परफॉर्मेंस लिक्विड क्रोमैटोग्राफ- इलेक्ट्रोस्प्रे आयनीकरण- क्वाड्रुपोल- उड़ान का समय (यूपीएलसी-ईएसआई) की खरीद के लिए संस्थान की वेबसाइट www.iiserpune.ac.in और GeM पोर्टल पर 18/12/2024 को प्रकाशित वैश्विक निविदा देखें - क्यूटीओएफ) प्रणाली।

Refer to an Global tender published on the Institute website www.iiserpune.ac.in and on the GeM Portal on 18/12/2024 for procurement of Ultra-High Performance Liquid Chromatograph- Electrospray ionization- Quadrupole- Time of Flight (UPLC-ESI-QTOF) system.

प्री-बिड मीटिंग 02/01/2025 को शाम 4.00 बजे आयोजित की गई और बैठक का कार्यवृत्त निम्नानुसार है:

Pre-Bid meeting was held on 02/01/2025 at 4.00 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-स्पष्टीकरण को / परिवर्धन 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 / additons / 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.

13/01/2025

Sd/-

सहायक कुलसचिव (भंडारण एवं क्रय)

Assistant Registrar (S&P)

TECHNICAL AND COMMERCIAL QUERIES AND CLARIFICATION**PRE-BID CONFERENCE FOR PROCUREMENT OF ULTRA-HIGH PERFORMANCE LIQUID CHROMATOGRAPH- ELECTROSPRAY IONIZATION- QUADRUPOLE- TIME OF FLIGHT (UPLC-ESI-QTOF) SYSTEM**

	Query/Clarification Sought		Clarification / Amendment
Component	Tendered specification	Requested amendment	
Conditions	3. The quoted UPLC-ESI-QTOF model should have at least five installations (until the date of bid submission) in government institutes/ universities in India. The vendor should support its claims with the purchase orders or testimonials from respective institutes.	3. The quoted UPLC-ESI-QTOF model should have at least five installations (until the date of bid submission) in government institutes/ universities in India. The vendor should support its claims with the purchase orders or testimonials from respective institutes. Participating vendors should have been able to publish research articles/papers aligning to research lab to prove their products, successfully used and tested.	3. The quoted UPLC-ESI-QTOF model should have at least five installations (until the date of bid submission) in government institutes/ universities in India. The vendor should support its claims with the purchase orders or testimonials from respective institutes. The quoted model must be suitable for the high-end international research on plant and soil metabolomics; vendors must provide documentary evidence that their quoted model has been significantly used in the high-end international research on plant and soil targeted and nontargeted metabolomics.
		Please change five installation list from government institute to at least two or more installation list.	
Column oven	Electronic heating	Electronic active heating	Electronic or equivalent heating mechanism
Mass Spectrometer	MS ionization source: Electro-Spray Ionization (ESI) with orthogonal spraying for	MS ionization source: Electro-Spray Ionization (ESI) and Atmospheric Pressure Chemical	Tender specification prevails

	improved robustness equipped with self-cleaning heaters in both positive and negative modes.	Ionization (APCI) with dual orthogonal spraying or better for improved robustness equipped with self-cleaning heaters in both positive and negative modes.	
	Expected Resolution: should be >40,000 FWHM at a single defined m/z within the m/z range 900 to 2000 or better. Vendors must provide details of deviations, if any, and resolution chart for complete mass range for the QTOF in the technical document.	Expected Resolution: should be >40,000 FWHM across the complete mass range. Vendors must provide details of deviations, if any, and resolution chart for complete mass range for the QTOF in the technical document, as published document in public domain.	Expected Resolution: should be >30,000 FWHM at a single defined m/z within the m/z range 100 to 2000 or better. Vendors must provide details of deviations, if any, and resolution chart for complete mass range for the QTOF in the technical document.
		Expected Resolution: should be >30,000 FWHM at a single defined m/z within the m/z range 100 to 3000.	
	Mass accuracy: MS- <1 ppm and MS/MS- < 2 ppm using an internal mass reference for 12 hours.	Mass accuracy: MS and MS/MS - <1 ppm using an internal mass reference for 12 hours.	Tender specification prevails
	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	Tender specification prevails
	The system should have a TOF mass range of 50 – 10,000 m/z for better for QTOF in high-resolution mode.	Mass range for the instrument should be 100000 m/z or higher for QTOF. Deconvolution software need to be quoted for higher mass range support.	Tender specification prevails

	<p>Sensitivity: For 1 pg for a known standard, should be S:N > 100:1 for MS, and S:N > 1500:1 for MS/MS without compromising on speed or resolution. Automated calibration and tuning from a reference probe either intra or inter sample during batch sample analysis should be possible.</p>	<p>Sensitivity: For 1 pg for a known standard, should be S:N > 1,000:1 for MS, and S:N > 4,500:1 for MS/MS without compromising on speed or resolution</p>	<p>Sensitivity: For 1 pg for a known standard, should be S:N > 500:1 for MS, and S:N > 1500:1 for MS/MS without compromising on speed or resolution. Automated calibration and tuning from a reference probe either intra or inter sample during batch sample analysis should be possible.</p>
<p>Software and data analysis tools</p>	<p>Vendor must provide perpetual licenses (including free upgrades for at least 5 years) of METLIN Gen 2 and other available mass spectral databases.</p>	<p>Give relaxation to METLIN Gen2 software to any other similar software which match your technical criteria.</p>	<p>Vendor must provide perpetual licenses (including free upgrades for at least 5 years) of METLIN Gen 2 and other available mass spectral databases; if other equivalent databases are quoted, the vendor must provide their details and documentary evidence for their utility for plant and soil metabolomics research and their equivalence to the METLIN Gen2 software. A software tool which is able to integrate all available databases' information, search them for the compound annotation/ identification and provide the compound identities with 'match confidence levels' should also be provided.</p>