



भारतीय विज्ञान शिक्षा एवं अनुसंधान संस्थान पुणे
INDIAN INSTITUTE OF SCIENCE EDUCATION AND RESEARCH PUNE
IISER/PUR/2030/23
PREBID CLARIFICATION ON GEM BID NUMBER - GEM/2023/B/5638287

Item Description- Procurement of Inductive Coupled Plasma Mass Spectrometer (ICPMS) system

इंडक्टिव कपल्ड प्लाज्मा मास स्पेक्ट्रोमीटर (ICPMS) प्रणाली की खरीद के लिए संस्थान की वेबसाइट www.iiserpune.ac.in और GeM पोर्टल पर 18/12/2024 को प्रकाशित एक खुली निविदा देखें।

Refer to an open tender published on the Institute website www.iiserpune.ac.in and on the GeM Portal on 18/12/2024 for procurement of Inductive Coupled Plasma Mass Spectrometer (ICPMS) system.

प्री-बिड मीटिंग 02/01/2025 को शाम 3.00 बजे आयोजित की गई और बैठक का कार्यवृत्त निम्नानुसार है:
Pre-Bid meeting was held on 02/01/2025 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.

Sd/-

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

13/01/2025

TECHNICAL AND COMMERCIAL QUERIES AND CLARIFICATION**PRE-BID CONFERENCE FOR ITEM DESCRIPTION- INDUCTIVE COUPLED PLASMA MASS SPECTROMETER (ICPMS) SYSTEM**

	Query/Clarification Sought		Clarification / Amendment
Component	Tendered specification	Requested amendment	
Conditions	<p>3. The quoted ICPMS 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.</p>	<p>3. The quoted ICPMS 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.</p>	<p>3. The quoted ICPMS 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 all the possible elements in the periodic table, especially micronutrients, macronutrients, and heavy metals, right from higher ppm to trace levels, from sediments, soil, water, sea water, and plants; vendors must provide documentary evidence that their quoted model has been significantly used in the high-end international research on all the possible elements in the periodic table, especially micronutrients, macronutrients, and heavy metals, right from higher ppm to trace levels,</p>

			from sediments, soil, water, sea water, and plants.
Reaction cell	Appropriate Mass Cut-off Facility should be there to take out unwanted polyatomic interferences formed due to free atoms.	Request to remove this point as it is vendor specific.	This point has been removed
Quadrupole assembly	Quadrupole is driven by fully Digital RF generator with frequency 3 MHz.	Quadrupole is driven by fully Digital RF generator with frequency 2 or more MHz.	Tender specification prevails
	<ul style="list-style-type: none"> • Abundance Sensitivity (at Cs): Low Mass side: $\leq 5 \times 10^{-7}$ • Abundance Sensitivity (at Cs): High Mass side: $\leq 1 \times 10^{-7}$ 	<p>Abundance Sensitivity (at Cs): Low Mass side: $\leq 5 \times 10^{-7}$</p> <p>Abundance Sensitivity (at Cs): High Mass side: $\leq 1 \times 10^{-7}$</p> <p>OR</p> <p>0.5 ppm at Low Mass & High Mass</p>	Tender specification prevails
Detector system	Both the analog and pulse counting modes should be protected against overload. Minimum dwell time 100 μ S in both pulse count and analog mode.	Request to change to 5ms or more	Both the analog and pulse counting modes should be protected against overload. Minimum dwell time ≥ 5 mS in both pulse count and analog modes. System should be amenable to a future upgrade to a minimum dwell time 100 μ S in both pulse count and analog modes.
Vacuum system	In the event of vacuum failure, the entire vacuum system is to be automatically back-filled by inert	In the event of vacuum failure, the entire vacuum system is to be automatically back-filled by inert gas to preserve the cleanliness	In the event of vacuum failure, the entire vacuum system is to be automatically back-filled by inert gas to preserve the cleanliness of the system

	gas to preserve the cleanliness of the system.	of the system or the vacuum must be maintained intact	or the vacuum must be maintained intact
		Request to remove this point as it is vendor specific.	
Performance specifications	<ul style="list-style-type: none"> Sensitivity (Mcps/PPM (i.e., Million Counts per seconds/Parts Per Million)): 50- 100 or better on lower mass side 150-300 or better on Middle Mass 80- 200 or better on higher mass side 	Sensitivity (Mcps/PPM (i.e., Million Counts per seconds/Parts Per Million)): 60 or better on lower mass side 220 or better on Middle Mass 200 or better on higher mass side	<ul style="list-style-type: none"> Sensitivity (Mcps/PPM (i.e., Million Counts per seconds/Parts Per Million)): 50- 100 or better on lower mass side 150-300 or better on Middle Mass 80- 200 or better on higher mass side Vendor should specify the sensitivity counts at oxide ratios.
	Oxide ratio (%) CeO/Ce <1.8% or better	Oxide ratio (%) CeO/Ce <2.0% or better	Oxide ratio (%) CeO/Ce <2.0% or better
Accessories	Consumables for 2 years of operation	Please specify no. of samples to be analysed in 2 years	Consumables for 2 years of operation (~5000 samples)
	Reaction cell gases -Oxygen, Hydrogen & Ammonia (1 Each), H2/He, He/Ammonia	We request you to please specify reaction gases with dedicated gas line to be quoted as per their instrument make requirement	There should be dedicated gas line for pure He gas & separate gas line for premix reaction gases (H2/O2/NH3) as per specific instrument make requirement. Corresponding gas lines to be provided in Gas control panel & corresponding

			(pure/premix) gas cylinders to be quoted with the system.
HF Resistant Kit (Optional)	Sample introduction kit for direct injection of HF solutions should be offered optionally.	In accessories HF kit is asked as a mandatory accessory, but the very last section mentions HF kit to be quoted optionally, can you please clarify is HF kit a mandatory or to be quoted optionally?	Tender specification prevails A separate quotation should be submitted for this item with all other documents; its cost should not be added to the final cost of the equipment on GeM.
		To be included with the main system as there is no option of quoting any item in GeM as optional.	