

भारतीय विज्ञान शिक्षा एवं अनुसंधान संस्थान पुणे
INDIAN INSTITUTE OF SCIENCE EDUCATION AND RESEARCH PUNE

PREBID CLARIFICATION ON TENDER NUMBER - IISER/PUR/1577/25
Item Description - Procurement of AFM for 2D Heterostructure Transfer System

2D हेटरोस्ट्रक्चर ट्रांसफर सिस्टम के लिए AFM की खरीद के लिए इंस्टीट्यूट की वेबसाइट www.iiserpune.ac.in और CPP पोर्टल पर 10/12/2025 को पब्लिश किए गए ओपन टेंडर को देखें।

Refer to an Open tender published on the Institute website www.iiserpune.ac.in and on the CPP Portal on 10/12/2025 for procurement of AFM for 2D Heterostructure Transfer System.

बोली-पूर्व बैठक 17/12/2025 को अपराह्न 3.00 बजे आयोजित की गई और बैठक का विवरण इस प्रकार है:

Pre-Bid meeting was held on 17/12/2025 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 वरिष्ठ सहायक कुलसचिव (भांडार अवं 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 Sr. 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 / 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 CPP 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 CPP 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.

23/12/2025

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

TECHNICAL AND COMMERCIAL QUERIES AND CLARIFICATION
PRE-BID CONFERENCE FOR PROCUREMENT OF AFM for 2D Heterostructure Transfer System

S. No.	Query/Clarification Sought	Clarification / Amendment
1.	<p>Please amend the specs No:4 mentioned in the “Optical Lever Arm and Photodetector”</p> <p>Kindly mention Low Coherence Red Laser</p> <p>Note: Low Coherence Red laser is more beneficial for the users for viewing the laser beam falls on the cantilever without camera</p>	Tender specifications prevails.
2.	<p>Please remove the specs No:2 Optional item</p> <p>Photo Current Mapping (PCM): Optional time-resolved photoelectric response to illumination (e.g., pulsed/chopped light for transient mapping on 2D photovoltaics).</p>	<p>This is an optional item. This is immaterial to the quotation provided by the suppliers and will not affect the score earned by the supplier.</p> <p>Tender specifications prevails.</p>
3.	<p>Please amend the specs no: 3 AFM Vision System</p> <p>Kindly mention $\geq 8X$ objective</p>	Specification amended to $\geq 8X$ objective.
4.	<p>Please amend the specs no: 8 Electronics</p> <p>Kindly mention Resolution: ≥ 24-bit ADC/DAC for precise XY/Z piezo signals (enabling <0.1 nm linearity).</p>	Tender specifications prevails.
5.	<p>Please add the following specs</p> <p>AFM must accommodate various samples with sample thickness in the range of 10 mm to 50mm for the topographical measurements of the 2D structures coated on the various substrates as illustrated below</p>	Tender specifications prevails.

	 <p>For accommodating samples with thickness more than 20 to 50 mm, Nanosurf Flex Core Package AFM scanner can provided with spacers such that sample dimension in the range of 100 mm x 100 mm x 40mm to 50mm can be accommodated on the Flex AFM Sample stage without any alteration to the Scanner/ Sample Stage (Thanks to the Nanosurf Tip Scanning AFM & its design for accommodating the large samples)</p>	
6.	<p>Please add the following specs:</p> <p>“AFM with Upgradation capability of Easy Integration with 2 port/ 4port Glovebox” for inert atmosphere experiments for various applications.</p>	<p>Accepted.</p> <p>We require a system to be integrated with our heterostructure transfer setup which will be housed in a glovebox. Therefore, glove box capability is important for us.</p>
7.	<p>Please add the following specs</p> <p>“Upgradation capability of AFM with External or Inbuilt Inverted Microscope for various multidisciplinary applications “which are illustrated below</p>	<p>Tender specifications prevails.</p>

8.	Please consider Warranty- standard warranty 2 Years & Optional third year warranty	Warranty period is amended to 2 Years comprehensive warranty+1 year non comprehensive warranty
9.	Tender S.No 2 - Optional item - Single-pass KPFM (AM/FM/sideband with built-in lock-in); quantitative nanomechanical mapping (QNM) with Young's modulus via Hertzian/JKR/DMT models. We request you to mention as Standard configuration instead of optional. As most of the instruments this mode comes as standard and for 2D Materials it is important application modes.	Tender specifications prevails.
10	Tender S.No 2 - CAFM and STM is standard feature we request to mention the voltage range as +/- 10V.	Tender specifications prevails.
11.	Tender S.No 2 - Optional Temperature Stage - We request to remove the temperature stage from standard configuration to optional items.	Tender specifications prevails.
12.	Tender S.No 8- electronics - Lock-In Amplifiers: ≥ 2 inbuilt digital lock-ins (expandable to 4 via software/hardware; up to 3 MHz).- Can this point be more specific -Viz 3 / 4 or more instead of ≥ 2 . We request you to add this into standard configuration. As more lock in amplifier will be useful to study 2D material using advanced electrical modes if this not in inbuilt lock In amplifier can't be upgraded to later.	Tender specifications prevails.