भारतीय विज्ञान शिक्षा एवं अनुसंधान संस्थान पुणे

INDIAN INSTITUTE OF SCIENCE EDUCATION AND RESEARCH PUNE

IISER/PUR/1131/25

PREBID CLARIFICATION

आइटम विवरण- उच्च परिशुद्धता वाले लेज़रों की खरीद और औषधि खोज के लिए क्वांटम कंप्यूटर के निर्माण का विकास

Item Description- Procurement of High Precision Lasers Development of Construction for Quantum Computer for Drug Discovery Suite

उच्च संकल्प जैविक परमाणु बल माइक्रोस्कोप के लिए नियंत्रक की खरीद के लिए 21/01/2026 को संस्थान की वेबसाइट www.iiserpune.ac.in और जीईएम पोर्टल पर 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 21/01/2026 for procurement of Network Component.

प्री-बिड मीटिंग 29/01/2026 को शाम 3.00 बजे आयोजित की गई और बैठक का कार्यवृत्त निम्नानुसार है:
Pre-Bid meeting was held on 29/01/2026 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 उप कुलसचिव (भंडारण 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 Deputy 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 कोIISER 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.

Sd/-

29/01/2026 उप कुलसचिव (भंडारण एवं क्रय)

29/01/2026 Deputy Registrar (S&P)

ANNEXURE -II

TECHNICAL AND COMMERCIAL QUERIES AND CLARIFICATION

PRE-BID CONFERENCE FOR PROCUREMENT OF HIGH PRECISION LASERS DEVELOPMENT OF CONSTRUCTION FOR QUANTUM COMPUTER FOR DRUG DISCOVERY SUITE

S. No.	Query/Clarification Sought	Clarification / Amendment
1	**Options for quoting and integration responsibility.** a) Please confirm whether it is acceptable to participate in the tender by quoting only for selected parts (PART I, PART II, PART III). b) Requesting offer PART I, PART II, PART III of tender from different OEMs, So please allow us for different purchase orders, this will allow us to open Letter of credit to different OEMs.	**Options for quoting and integration responsibility.** Bidders may quote for Part-I or Part-II, or Part-III separately or a combination of any two Parts or all three parts of the tender from different OEMs. **The successful bidder(s) shall ensure that all the three parts can be integrated seamlessly by the user. i.e. The supplied wavemeter should accept laser light input from all the tunable lasers quoted in part I and can be integrated by the user.** **Evaluation:** The contract will be awarded on **an itemized L1 basis**; the order for each respective part will be placed with the bidder who is L1 for that specific part.
2	**Chapter 3, Page 18: Conditions of Contract** (Clause No. 15 - Payment) regarding Letter of Credit for multiple OEMs	**Chapter 3, Page 18: Conditions of Contract** **Addition to Clause No. 15 (Payment):** **Letter of Credit (LC) Terms:** In cases where a bidder quotes products from different Original Equipment Manufacturers (OEMs), the Institute will issue Purchase Order with the respective OEM's. Subsequently, Letters of Credit (LC) will be established with the same.
3	**Price Bid Submission:** Requirement for detailed price breakdown	**Price Bid Submission Clause:** Bidders must quote the total price in the provided Excel BOQ and it is **mandatory** for the bidder to submit a detailed price

		breakup separately, including an itemized Bill of Materials (BOM), in PDF format within the financial bid packet.
4	Chapter 4 page 23 393.366 nm: 20 mW (instead of 50 mW) and 340 kHz (instead of 100 kHz)	Line width should be at the most 300 kHz, Power should be at least 20 mW at the output of the fiber usable for the experiment (with an additional power of 2 mW for the wavemeter). Course and fine tuning together should be at least 30 GHz without significant loss of power (+-10 %).
5	Chapter 4 Page 22 396.847 nm: 30 mW (instead of 50 mW) and 340 kHz (instead of 100 kHz)	Linewidth should be at the most 300 kHz, Power should be at least 30 mW minimum at the output of the fiber usable for the experiment (with an additional power of 2 mW for the wavemeter). Course and fine tuning together should be at least 30 GHz without significant loss of power (+-10 %).
6	Chapter 4 Page 23 422.672 nm: 20 mW and 250 kHz (instead of 100 kHz)	Line width should be at the most 200 kHz, power should be at least 20 mW at the output of the fiber usable for the experiment (with an additional power of 2 mW for the wavemeter). Course and fine tuning together should be at least 30 GHz without significant loss of power (+-10 %).
7	Chapter 4 Page 23 854.2087 nm: Output power 50 mW (additional 2 mW for wavemeter)	Acceptable. Additional 2 mW for wavemeter is a must. Course and fine tuning together should be at least 30 GHz without significant loss of power (+-10 %).
8	Chapter 4 Page 23 849.8020 nm: Output power 60 mW (additional 2 mW for wavemeter)	Acceptable. Additional 2 mW for wavemeter is a must. Course and fine tuning together should be at least 30 GHz without significant loss of power (+-10 %).
9	Chapter 4 Page 23 866.2137 nm: Output power 50 mW (additional 2 mW for wavemeter)	Acceptable. Additional 2 mW for wavemeter is a must. Course and fine tuning together should be at least 30 GHz without significant loss of power (+-10 %).
10	Chapter 4 Page 26	This laser light need not be tunable, since it is the second stage of the photoionization of Ca atoms. The wavelength is much lower than the ionization threshold. We need at least 15 mW at

	375 nm: Please mention the required linewidth and Single or Multimode. Do you need this laser fiber coupled and split into two outputs. Do we have to provide optical isolator	the output of the optical fiber usable for the experiment. We do not need an isolator. This laser need not be split into two fibers.
11	Chapter 4 Page 26 515 nm: Please mention the required linewidth and Single or Multimode, so we can provide the information about power. Do you need this laser fiber coupled and split into two outputs. Do we have to provide optical isolator? optical isolator.	Line width is not important since it will be used for photo-ablation. We need at more than 100 mW usable power at the output of the optical fiber This light need not be split into two outputs, since the wavelength of this laser will not be measured continuously during the experiment. The vendor needs to decide this based upon whether the laser will get destabilized or get damaged with optical fiber coupling,
12	Chapter 4 Course tuning on all tunable lasers	Instead of 1 nm, it can be +/- 15 GHz from the specified wavelengths (mode-hop free) that are resonant with the respective atomic transitions as specified in the original tender document.
13	Chapter4 Mechanical Shock resistance	The lasers should accept a mechanical shock of at least 5 g during transport and when operating, the lasers should come back to the operating frequency even if they go out of lock momentarily due to the mechanical shock. There should not be any large mode jump, which might require user interference.
14	Chapter 4 Page 25 Software interface	All the necessary software should be integrated in one high End PC. The software for the wavemeter, tunable lasers, ULE cavity, fiber noise cancellation devices, frequency compensation electronics etc. should be able to reside in one PC with multiple monitors and the ability to control the various subsystems of the laser cluster.
15	Chapter4 page 25 Frequency tuning mechanism mentioned as piezo	Any fast frequency tuning mechanism Including PZT that is at least as fast as a PZT is acceptable

15	**Addendum:**	1. **Part 3, page 28, The narrow linewidth laser system (the 729 nm laser) should be installed in a 19” rack instead of a table top version** 2. **Part 2, page 27, The Wavemeter along with it its reference laser system should be 19” rack mountable** 3. **All the lasers should fit into 19” rack and should allow seamless integration with the wavemeter in terms of hardware and software so that, the system does not demand tweaking on the ground from specially trained personnel.**

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DATE: 04.02.2026

TENDER REFERENCE NO: IISER/PUR/1131/25

Tender ID:2026_IISRP_895008_1

CORRIGENDUM: REVISED BILL OF QUANTITIES (BOQ)

With reference to the tender for the **"High Precision Lasers Development of Construction for Quantum Computer for Drug Discovery Suite"** published on 21/01/2026, all prospective bidders are hereby notified that the **Bill of Quantities (BOQ)** has been revised.

Bidders are requested to take note of the following structure and ensure that **item-wise prices** are quoted strictly as per the revised Excel BOQ format provided on the portal.

Item No.	Item Description	Quantity	Unit
1	Complete Laser cluster for Ca^{+} Ion (as per tender specifications)	1.00	Set
2	Wavelength Meter (as per tender specifications)	1.00	Set
3	729 nm laser with 1 Hz linewidth (as per tender specifications)	1.00	Set

Sd/-
Deputy Registrar(S&P)