

NOTICE INVITING TENDER (E-PROCUREMENT MODE)

I-HUB QUANTUM TECHNOLOGY FOUNDATION, IISER, PUNE

First Floor, Main Academic Building, IISER Campus, Dr Homi Bhabha Rd, 411008
Tel: 020-25908647 Email: qtf_purchase@quantech.org.in Website: www.quantech.org.in

Tender Ref. No: **I-HUBQTF/PUR/22-23/028**

Date: **05/12/2023**

I-HUB Quantum Technology Foundation, IISER Pune invites **online bids (e-tender) in two bids systems**, from Original Equipment Manufacturers, Foreign Principals and Indian Agents of Foreign Principals, Authorized Distributors of Original Equipment Manufacturer for procurement and installation for the following:

Brief Details of Tender:

Item Description	Qty	Estimate Cost of Tender in Rs.	EMD in Rs.	Tender Fee (inclusive GST @ 18%) in Rs.
Diode Laser Cluster for Ion Trap	01	7,50,00,000/-	15,00,000/-	1,180/-
Wavelength Meter	01			
729 nm laser with Hz Linewidth	01			

Please note: All the above three modules need to be integrated by the prospective vendor for seamless frequency locking and line width reduction as mentioned in the detailed specifications. (Kindly refer [Chapter 4](#) for detailed technical specifications.)

Category of Suppliers invited for this Tender

Class I local Supplier – has local content equal to more than 50%

Class II local Supplier – has local content more than 20% but less than 50%

Non-Local Supplier – has local content less than or equal to 20%

The Tender Document can be downloaded from Central Public Procurement (CPP) Portal <https://eprocure.gov.in/eprocure/app> or website www.quantech.org.in and bid is to be submitted **online only** through the E-procurement portal up to the last date and time of submission of tender.

Critical Dates of Tender:

Sr.No	Particulars	Date	Time
1	Date of Online Publication/Download of Tender	05/12/2023	18:00
2	Pre-Bid Meeting	11/12/2023	15:00
3	Bid Submission Start Date	12/12/2023	18:30
4	Bid Submission Close Date	26/12/2023	15:00
5	Closing date & time for Submission of original Tender Fee and EMD	26/12/2023	15:00
6	Opening of Technical Bids	27/12/2023	15:30

No manual bids will be accepted. All quotation (both Technical and Financial should be submitted in the E-procurement portal). Any queries relating to the process of online bid submission or queries relating to CPP Portal in general may be directed to the 24x7 CPP Portal Helpdesk. The contact number for the helpdesk is 0120-4200462, 0120-4001002, 91-8826246593.

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INSTRUCTIONS FOR ONLINE BID SUBMISSION

This tender document has been published on the Central Public Procurement Portal (<https://eprocure.gov.in/eprocure/app>) and Company website www.quantech.or.in. The bidders are required to submit soft copies of their bids electronically on the CPP Portal, using valid Digital Signature Certificates. The instructions given below are meant to assist the bidders in registering on the CPP Portal, prepare their bids in accordance with the requirements and submitting their bids online on the CPP Portal. More information useful for submitting online bids on the CPP Portal may be obtained at: <https://eprocure.gov.in/eprocure/app>.

1. Registration

- i. Bidders are required to enroll on the e-Procurement module of the Central Public Procurement Portal ([URL:http://eprocure.gov.in/eprocure/app](http://eprocure.gov.in/eprocure/app)) by clicking on the link "Click here to Enroll". Enrolment on the CPP Portal is free of charge.
- ii. As part of the enrolment process, the bidders will be required to choose a unique username and assign a password for their accounts.
- iii. Bidders are advised to register their valid email address and mobile numbers as part of the registration process. These would be used for any communication from the CPP Portal.
- iv. Upon enrolment, the bidders will be required to register their valid Digital Signature Certificate (Class II or Class III Certificates with signing key usage) issued by any Certifying Authority recognized by CCA India (e.g. Sify / TCS / nCode / eMudhra etc.), with their profile.
- v. Only one valid DSC should be registered by a bidder. Please note that the bidders are responsible to ensure that they do not lend their DSCs to others which may lead to misuse.
- vi. Bidder then logs in to the site through the secured log-in by entering their user ID / password and the password of the DSC / eToken.
- vii. The CPP Portal also has user manual with detailed guidelines on enrollment and participation in the online bidding process. Any queries related to process of online bids or queries related to CPP Portal may be directed to the 24x7 CPP Portal Helpdesk.
- viii. I-HUB QTF will not be responsible for any type of technical issue regarding uploading of Tender on website.

2. Searching For Tender Documents

- i. There are various search options built in the CPP Portal, to facilitate bidders to search active tenders by several parameters. These parameters could include Tender ID, organization name, location, date, value, etc. There is also an option of advanced search for tenders, wherein the bidders may combine a number of search parameters such as organization name, form of contract, location, date, other keywords etc. to search for a tender published on the CPP Portal.
- ii. Once the bidders have selected the tenders they are interested in, they may download the required documents / tender schedules. These tenders can be moved to the respective 'My Tenders' folder. This would enable the CPP Portal to intimate the bidders through SMS / e-mail in case there is any corrigendum issued to the tender document.
- iii. The bidder should make a note of the unique Tender ID assigned to each tender, in case they want to obtain any clarification / help from the Helpdesk.

3. Preparation of Bids

- i. Bidder should take into account any corrigendum published on the tender document before submitting their bids.

- ii. Please go through the tender advertisement and the tender document carefully to understand the documents required to be submitted as part of the bid. Please note the number of covers in which the bid documents have to be submitted, the number of documents - including the names and content of each of the document that need to be submitted. Any deviations from these may lead to rejection of the bid.
- iii. Bidder, in advance, should get ready the bid documents to be submitted as indicated in the tender document / schedule and generally, they can be in PDF / XLS formats. Bid documents may be scanned with 100 dpi with black and white option.
- iv. To avoid the time and effort required in uploading the same set of standard documents which are required to be submitted as a part of every bid, a provision of uploading such standard documents (e.g. PAN card copy, annual reports, auditor certificates etc.) has been provided to the bidders. Bidders can use "My Space" area available to them to upload such documents. These documents may be directly submitted from the "My Space" area while submitting a bid, and need not be uploaded again and again. This will lead to a reduction in the time required for bid submission process.

4. Submission of Bids

- i. Bidder should log into the site well in advance for bid submission so that he/she upload the bid in time i.e. on or before the bid submission time. Bidder will be responsible for any delay due to other issues.
- ii. The bidder has to digitally sign and upload the required bid documents one by one as indicated in the tender document.
- iii. Financial Bids can be submitted in PDF format ([As per Chapter 5](#)). The bidder may add rows to include the prices of all components & warranties, installation etc. whichever applicable.
- iv. The server time (which is displayed on the bidders' dashboard) will be considered as the standard time for referencing the deadlines for submission of the bids by the bidders, opening of bids etc. The bidders should follow this time during bid submission.
- v. The uploaded tender documents become readable only after the tender opening by the authorized bid openers.
- vi. Upon the successful and timely submission of bids, the portal will give a successful bid submission message & a bid summary will be displayed with the bid no. and the date & time of submission of the bid with all other relevant details.
- vii. Kindly add scanned PDF of all relevant documents in a single PDF file of compliance sheet.

5. Assistance to Bidders

- i. Any queries relating to the tender document and the terms and conditions contained therein should be addressed to the Tender Inviting Authority for a tender or the relevant contact person indicated in the tender.
- ii. Any queries relating to the process of online bid submission or queries relating to CPP Portal in general may be directed to the 24x7 CPP Portal Helpdesk. The contact number for the helpdesk is **0120-4200462, 0120-4001002, 91-8826246593**.

CHAPTER 1: INVITATION FOR TENDER OFFERS

I-HUB Quantum Technology Foundation, IISER Pune invites e-Tender for
DIODE LASER CLUSTER FOR ION TRAP + WAVELENGTH METER + 729 NM LASER WITH
LESS THAN 5 HZ LINEWIDTH

The BIDDERS are requested to give detailed tender in two Bids i.e.

- a. **Part - I: Technical Bid.**
- b. **Part - II: Commercial Bid.**

A Pre-bid conference will be held via video conferencing from I-HUB QTF, IISER PUNE, 1st Floor, Main Building, IISER Campus, Dr. Homi Bhaba Road, Pashan, Pune – 411008 as per mentioned above in the [Critical Dates of Tender](#) under Notice Inviting Tender (NIT). All prospective bidders are requested to kindly submit their queries and request for video conferencing credentials on Email ID: qtf_purchase@quantech.org.in prior one day of the Pre-bid meeting. During the Pre-bid meeting the answers/clarifications to the queries will be made available. No queries will be entertained after the Pre-bid meeting.

The corrections/additions/clarifications given, as discussed during the Pre-Bid Conference would be hosted on the website of I-HUB QTF, 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.

1. Time Schedule

As per mentioned above in the [Critical Dates of Tender](#) under Notice Inviting Tender (NIT).

Note: Supply means: “Supply, Installation, Commissioning and satisfactory demonstration of the whole system and training”. If any charges extra are payable for Installation, Commissioning and training, the same should be specified in the commercial offer.

2. Availability of Tender

The tender document can be downloaded from <http://eprocure.gov.in/eprocure/app> and be submitted only through the same website.

3. Envelope 1: “Technical Bid”

The online envelope clearly marked as **“Technical Bid - Envelope No. 1”** shall contain the all scanned copies of originals documents in PDF Format. The technical offer should not contain any price information.

- a) Compliance statement/questionnaire of tender terms and conditions as per **Annexure-‘A’**.
- b) Compliance statement of specifications as per **Annexure- ‘B’**.
- c) Scanned Copies of payment of EMD & Tender Fee OR Bid Security Form as **Annexure- ‘C’**.
- d) Manufacturer Authorization Form as per **Annexure –‘D’**.
- e) Previous Supply Order List Format as per **Annexure –‘E’** alongwith at least three previous P.O.
- f) Bidder Information Form as per **Annexure –‘F’**.
- g) Blacklist Certificate as per **Annexure –‘G’**.
- h) Certificate By Bidder- DPIIT Registration As Per **Annexure - ‘I’**

- i) Local Content Declaration (with detailed item-wise breakup) by the bidder as per **Annexure – ‘J’** that the items offered meet the local/non local content requirement in pursuance of public procurement preference to make in India, order 2017 (please tick appropriate option).
- j) Bid Security Declaration as per **Annexure –‘K’**
- k) Fall Clause Statement as per **Annexure –‘L’**
- l) Pre-Contract Integrity Pact as per **Annexure –‘M’** with official sign and seal of CEO.
- m) Solvency Certificate for 40% amount of the estimated tender value as per NIT (not older than 12 months) issued by Indian Scheduled/Nationalized Bank with which BIDDER holds current account.
- n) Copy of GST/ PAN No. and TIN No. allotted by the concerned authorities. If registered with the National Small Industries Corporation, the registration number, purpose of registration and the validity period of registration and a copy of NISC/MSME registration wherever it is applicable should also be provided in Technical Bid.
- o) Un-Priced commercial bid with item details, terms & conditions, warranty, delivery period, etc.
- p) Technical Compliance Sheet as per Chapter - 4
- q) Technical literature/leaflets and complete specifications of quoted model(s) along with commercial terms and conditions.
- r) Undertaking that the successful BIDDER agrees to give a Security Deposit amounting to 3% of the Purchase Order value by way of Demand Draft by any Indian Nationalized Bank in favor of “I-HUB Quantum Technology Foundation”. (Any further changes in the rate of Performance Security will be considered as per government norms.)
- s) Tender Terms & Conditions Acceptance signed with official seal.
- t) In case of exemption from submission of Bid security, proof of registration with NSIC/MSME.

4. Tender Fee & Earnest Money Deposit Details

- i. **Tender Fee of Rs. 1,180/- (Rupees One thousand One Hundred Eighty only) in the form of Demand Draft from Indian Nationalized/Scheduled Bank in favor of I-HUB Quantum Technology Foundation.** The firm registered with /NSIC/MSME as manufacturer for the supply of same category of item for which the party is submitting quotation will be exempted from fee submission.
- ii. **EMD** (as mentioned in [NIT](#)) in the form of Bank guarantee (As per format enclosed as ANNEXURE-‘C’) OR Demand Draft of any Indian Nationalized/Scheduled Bank in the name of **I-HUB Quantum Technology Foundation** valid for 180 days from the date of opening of the tender.
- iii. **EMD and tender fee amount can also be deposited in I-HUB QTF, IISER PUNE Bank account through net banking as mentioned below.**
 - a. **Name:- I-HUB Quantum Technology Foundation**
 - b. **Bank name :- State Bank of India**
 - c. **Account Number:- 40159695050**
 - d. **IFSC Code:- SBIN003552**

5. Exemption from submission of EMD (Only for Indigenous Purchases in INR Only)

Bidders registered with any of the following agencies/ bodies as per Public procurement policy for Micro & Small Enterprises (MSE) order 2012 are exempted categories from payment of EMD provided that the registration certificate issued by any one of these below mentioned agencies must be valid as on close date of tender. Micro small or medium enterprises who have applied for registration or renewal of registration with any of these agencies/bodies but have not obtained the valid certificate as on close date

of tender are not eligible for exemption.

Following categories of Sellers shall be exempted from furnishing Bid Security:

- i. Micro and Small Enterprises who are “manufacturer” for the Primary Product Category or Service Provider of the Primary Service Category and give specific confirmation to this effect at the time of bid submission and whose credentials are validated online through Udyam Registration / Udyog Aadhaar (as validated by Government from time to time) and through uploaded supporting documents.
- ii. Micro and Small Enterprises registered with NSIC as a “manufacturer” for the Primary Product Category whose credentials are validated through NSIC database and through uploaded supporting documents.
- iii. Micro and Small Enterprises registered with DIC as a “manufacturer” for the Primary Product Category whose credentials are validated through DIC database and through uploaded supporting documents.
- iv. Start-ups as recognized by Department of Industrial Policy and Promotion (DIPP).
- v. KVIC, ACASH, WDO, Coir Board, TRIFED and Kendriya Bhandar.
- vi. Sellers who have got their credentials verified through the process of Vendor Assessment by Vendor Assessment Agencies for the Primary Product / Service for which Bid / RA has been invited (applicable for GeM).
- vii. Sellers/ Service Provider having annual turnover of INR 500 Crore or more.
- viii. Sellers / Service Providers holding BIS License for the Primary Product Category whose credentials are validated through BIS database and through uploaded supporting documents.
- ix. Central / State PSUs.
- x. Seller / Service Provider registered with designated Agency / Authority as specified in the bid document by the Buyer – such bidder shall have to upload scanned copy of relevant registration document in place of Bid Security document while bidding (applicable for GeM).

(Please Note: Except Original Equipment Manufacturer/Original Service Provider, the Traders / Resellers and Authorized Agents are not allowed to avail EMD exemption.)

- a. The BIDDER who submits the tender on behalf of their principals should produce documentary evidence in support of their authority to quote or submit proforma invoice of their principals. In case the BIDDER is not represented by any Indian Agent the Bank Guarantee valuing US \$ 00.00 (US Dollars only) should accompany the Technical Bid towards EMD.
- b. In case of bids in Foreign Currency, the Indian Representative / dealers can submit the EMD in INR to I-HUB QTF, IISER PUNE without any relaxation.
- c. The Bank Guarantee is insisted due to steep fluctuations in foreign exchange hence the foreign DD's are not accepted towards EMD. Bids submitted without EMD will stand rejected. EMD will not be accepted in the form of cash /cheque. No interest is payable on EMD.
- d. The EMD will be returned to the BIDDERS(s) whose offer is not accepted by I-HUB QTF, IISER PUNE within 30 days from the date of the placing of the final order(s) on the selected BIDDER(s). In case of the BIDDER(s) whose offer is accepted the EMD will be returned on submission of Bank Guarantee as Security Deposit (SD). However, if the return of EMD is delayed for any reason, no interest / penalty shall be payable to the BIDDERS.
- e. The successful BIDDER, on award of contract / order, must send the contract / order acceptance in writing, within 15 days of award of contract / order failing which the EMD will be forfeited.
- f. The EMD shall be forfeited in case a successful BIDDER fails to furnish the Security Deposit.

6. The Specifications

Specifications are basic essence of the product. It must be ensured that the offers must be strictly as per our specifications. At the same time it must be kept in mind that merely copying our specifications in the quotation shall not make the parties eligible for consideration of the quotation. A quotation has to be supported with the printed technical leaflet/literature of the quoted model of the item by the quoting party/manufacturer and the specifications mentioned in the quotation must be reflected /supported by the printed technical leaflet/literature. Therefore the model quoted invariably be highlighted in the leaflet/literature enclosed with the quotation. Non-compliance of the above shall be treated as incomplete/ambiguous and the offer can be ignored without giving an opportunity for clarification/negotiation etc. to the quoting party.

7. Compliance Statements

- i. Bidders must furnish a Compliance Statement of each and every required Specification of our tender in the format at **Annexure–‘B’**. The deviations, if any, from the tendered specifications should be clearly brought out in the statement. Technical literature/leaflet showing the compliance of the specification may also be attached with the quotation.
- ii. Similarly, the Compliance Statement/questionnaire for Terms & Conditions of the tender may be furnished, as per the enclosed format at **Annexure –‘A’**, along with un-priced quotation.
- iii. The firms are advised to submit both the compliance statements essentially along with their un-priced quotation failing which their offer may not be considered.

8. Envelope 2 : “Commercial Bid” shall contain:

- i. Cost of all the items should be mentioned clearly and individually in the Commercial Offer (Part-II) only.
- ii. The BIDDERS are requested to quote for Educational Institutional Price for Equipment and software, since we are eligible for the same.
- iii. Prices should be shown against each item for the purpose of insurance claims/replacements if any.
- iv. List of deliverables / Bill of materials and services.
- v. In case of foreign quote, the address of Principal's / Manufacturer's and their Banker's details should be furnished.
- vi. Annual Maintenance Certificate as per **Annexure –‘H’**.

Note:

- a. No request for extension of due date will be considered under any circumstances.
- b. No sub-contracting is allowed with regard to installation, commissioning, training, warranty maintenance and after sales service. This is the sole responsibility of the Principals'/their authorized agents.
- c. I-HUB QTF, IISER PUNE may issue corrigendum to tender documents before due date of Submission of bid. The bidder is required to read the tender documents in conjunction with the corrigendum, if any, issued by I-HUB QTF, IISER PUNE. The bidder is not supposed to incorporate the amendment in the body of the tender document.

9. Opening of the Bid

- i. Technical Bids will be opened as per mentioned in [Brief Details of Tender](#).
- ii. Financial Bids of the eligible bidders will be opened on a later date. The date and time for opening of Financial Bids will be announced later.
- iii. Bids would be summarily rejected, if tender is submitted other than through online or **tender fee and EMD are not submitted within stipulated date / time**. I-HUB QTF, IISER PUNE shall not be responsible for any postal delay, Tender Fee before Tender closing date.

10. Terms of the Technical Committee

- i. On the due date the Technical bids will be opened and referred to the Technical Committee which is duly constituted by the Project Director, I-HUB QTF, IISER PUNE. The committee will go through the technical aspects of the tender and recommend short listed firms. The recommendation of the technical committee is the final and binding on all the parties.
- ii. The technical evaluation will be an assessment of the Technical Bid. I-HUB QTF, IISER Pune representatives will proceed through a detailed evaluation of Technical Bids as defined in [Chapter 4](#) in order to determine whether they are substantially responsive to the requirements set forth in the tender. In order to reach such a determination, I-HUB QTF, IISER PUNE will examine the information supplied by the BIDDERS, and shall evaluate the same as per the specifications mentioned in this tender.
- iii. The technical committee may formulate evaluation criteria in addition to the specifications and requirements indicated in the tender, in the interest of I-HUB QTF, IISER PUNE and this criteria/recommendation will also form as a part of short-listing of the firms.
- iv. The Technical Committee will examine all the Technical aspects of the bids received. Further, the Technical Committee may seek additional information from the existing users at IISER Pune or from other Institutes and also call for Technical presentations from the BIDDERS if it is required so.
- v. The information received and the bids already submitted together will be examined with reference to the tendered specifications and evaluation is made by the Technical Committee.
- vi. After the technical evaluation is completed and approved, I-HUB QTF, IISER PUNE shall inform to the BIDDERS whose bids have been rejected technically with the reasons for rejection on e-Procurement Portal (<https://eprocure.gov.in/eprocure/app>). The commercial offers of the vendors whose technical offers are found to be technically deficient or do not meet the qualification criteria as specified in this tender will be returned to them without opening along with their EMD.
- vii. The successful BIDDERS will be informed regarding the date and time of Commercial bid opening.
- viii. The purpose of obtaining two bids (technical and commercial) is to evaluate all the firms on technical basis with reference to the tendered specifications, performance of similar Solutions/Applications elsewhere, obtaining users views with reference to the earlier supplies. This will enable the technical committee to arrive at a fair recommendation in the interest of the organization.
- ix. In the event of seeking any clarification from various BIDDERS by I-HUB QTF, IISER PUNE, the BIDDERS are required to furnish only technical clarifications that are asked for. No amendment to commercial bid will be entertained at that stage. In case if a BIDDER fails to quote for a particular item it amounts to non-compliance and hence such bid will not be considered for further evaluation. Further during this process if any BIDDER indicates the price during the clarification such bids also will not be considered for further evaluation.

11. Bid Evaluation

Based on results of the Technical evaluation I-HUB QTF, IISER PUNE evaluates the Commercial Bid of those Bidders who qualify in the Technical evaluation.

- i. I-HUB QTF, IISER PUNE shall correct arithmetical errors on the following basis:
 - a. If there is a discrepancy between the unit price and the line item total that is obtained by multiplying the unit price by the quantity, the unit price shall prevail and the line item total shall be corrected, unless in the opinion of the Purchaser there is an obvious misplacement of the decimal point in the unit price, in which case the line item total as quoted shall govern and the unit price shall be corrected.
 - b. If there is an error in a total corresponding to the addition or subtraction of subtotals, the subtotals shall prevail and the total shall be corrected; and

- c. If there is a discrepancy between words & figures, the amount in words shall prevail, unless the amount expressed in words is related to an arithmetic error, in which case the amount in figures shall prevail subject to (i) and (ii) above.
- ii. Selling exchange rate/equivalent to Indian currency will be as on the date of bid opening in the case of single bidding and the rate on the date of opening of the priced bids in the case of two-part bidding.
- iii. The bids shall be evaluated on the basis of final landing cost as per format given in Price Schedule in case of import / indigenous items.
- iv. The comparison between the indigenous and the foreign offers shall be made on FOR destination basis and CIF/CIP basis respectively. However the CIF/CIP prices quoted by any foreign bidders shall be loaded further as under :
- Towards customs duty and other statutory levies-as per applicable rates.
 - Towards custom clearance, inland transportation etc. 2% of the CIF/CIP value.
- v. Where the price quoted on FOB/FCA and CIF/CIP basis are the same, the Contract would be made on CIF/CIP basis only.
- vi. The Vague terms like “packing, forwarding, transportation etc. extra” without mentioning the specific amount/percentage of these charges will not be accepted. Such offers shall be treated as incomplete and rejected.
- vii. After arriving at final pricing of individual offers of all the short listed firms, the lowest firm will be awarded with Contract/Purchase Order.
- viii. The Project Director, I-HUB QTF, IISER PUNE reserves the right to accept the offer/tender in full or in parts or reject summarily or partly.

CHAPTER 2: INSTRUCTIONS TO BIDDERS

1. Preparation and Submission of Offers

- i. Quotation should be submitted directly by the original manufacturer/supplier or its sole authorized distributor/dealer/Indian Agent. In case of bid by authorized dealer/distributor/Indian Agent, the manufacturer authorization should be attached with the technical bid as per Annexure-'D'.
- ii. One Indian Agent can participate in a tender on behalf of one manufacturer only. No offer will be entertained if the same Indian Agent is representing another manufacturer for the same item.
- iii. In case a bidder is not doing business within India, it shall furnish the certificate to the effect that the bidder is or will be represented by an agent in India equipped and able to carry out the supply, maintenance, repair obligations etc. during the warranty and post-warranty period or ensure a mechanism at place for carrying out the supply, maintenance, repair obligations etc. during the warranty and post-warranty period.
- iv. The bidder shall bear all costs associated with the preparation and submission of its bid irrespective of the conduct or outcome of the bidding process.
- v. The bidder should not indulge in any corrupt, fraudulent, collusive, coercive practices during the entire process of procurement and execution of contract/order.
- vi. Before the deadline for submission of the bid, I-HUB QTF, IISER PUNE reserves the right to modify the bidding document and to extend or not to extend the date of submission. Such amendment or modification will be hosted on e-Procurement portal (<https://eprocure.gov.in/eprocure/app>) or on I-HUB QTF, IISER PUNE website.
- vii. Conditional tenders will be summarily rejected.

2. Delivery Period / Timelines

The deliveries & installation must be completed within **405 days** after placement of purchase order/ after opening of LC. The time is the essence of the contract. It is mandatory for the BIDDERS who respond to this bid to meet these expectations, as are tightly linked to I-HUB QTF, IISER PUNE's plans of completing the project within the time frame.

3. Security Deposit

- i. **After the award of contract, the vendor shall furnish a Security Deposit / Performance Bank Guarantee amounting to 3% of the value of contract as specified in bid documents in the form of Demand Draft/Bank Guarantee (from an Indian Nationalized/Scheduled Bank only) favoring the I-HUB QUANTUM TECHNOLOGY FOUNDATION.**
- ii. Any further changes in the rate of Performance Security will be considered as per Govt. norms.
- iii. I-HUB QTF, IISER PUNE will forfeit the 3% Security Deposit if vendor fails to execute the order as per the Purchase Order. This Security Deposit will be refunded to the vendor only on successful installation of the EQUIPMENT / SYSTEM.
- iv. The Security Deposit should be valid for a period of 60 days beyond the date of completion of all the contractual obligations of the supplier including warranty obligations as we plan to extend the same as Performance Bank Guarantee.
- v. Bank Guarantee wherever mentioned in this document may be read as "Bank Guarantee from any Indian Nationalized/Scheduled Bank only" only. Any future change in the rate of performance security will be considered as per government norms.

4. Amalgamation/Acquisition

In the event the Manufacturer/Supplier proposes for amalgamation, acquisition or sale of its business to any firm during the contract period, the BUYER/Successor of the Principal Company are liable for execution

of the contract and also fulfillment of contractual obligations i.e. supply, installation, commissioning, warranty, maintenance/replacement of spares accessories etc. while submitting your bid, you may confirm this condition.

5. Bid Validity Period

- i. The prices must be valid at least for a period of **180 days** from the date of opening of the Tender. No changes in prices will be acceptable in any condition after opening of tender till the validity of the offer or execution of the order whichever is later.
- ii. I-HUB QTF, IISER PUNE may ask for the BIDDER's consent to extend the period of validity. Such request and the response shall be made in writing only. The BIDDER is free not to accept such request without forfeiting the EMD. A BIDDER agreeing to the request for extension will not be permitted to modify his bid.
- iii. Bid evaluation will be based on the bid prices without taking into consideration the above corrections.

6. Award Criteria

- i. I-HUB QTF, IISER PUNE shall award the contract to the technically qualified eligible BIDDER whose bid has been determined as the lowest evaluated commercial bid.
- ii. If more than one BIDDER happens to quote the same lowest price, I-HUB QTF, IISER PUNE reserves the right to award the contract to more than one BIDDER or any BIDDER.

7. I-HUB QTF, IISER PUNE's Right to vary Quantities at the Time of Award

- i. I-HUB QTF, IISER PUNE reserves the right at the time of Contract award to increase or decrease the quantity of goods and services originally specified in the tender document without any change in unit price or other terms and conditions. Further, at the discretion of the I-HUB QTF, IISER PUNE, the quantities in the contract may be enhanced by 25% within the delivery period.
- ii. Firms which have already supplied similar equipment to I-HUB QTF, IISER PUNE and have not completed required installation/commissioning/after sales service/warranty replacements etc. such firms offers will not be considered for further evaluation and no enquiries thereafter will be entertained.

8. Cargo Consolidation and Customs Clearance

I-HUB QTF, IISER PUNE has appointed its own Freight Forwarder and Custom House Agent for all its imports. Please note that all the consignments have to be routed through their associates only. The address and contact details will be provided at the time of placing the Purchase Order. While submitting your bid, you may confirm this condition.

9. Fraud and Corruption

I-HUB QTF, IISER PUNE requires that bidders, suppliers, contractors and consultants, if any, observe the highest standard of ethics during the procurement and execution of such contracts. In pursuit of this policy,

- i. The terms set forth below are defined as follows:
 - a. **"Corrupt practice"** means the offering, giving, receiving, or soliciting, directly or in directly, of anything of value to influence the action of a public official in the procurement process or in contract execution;
 - b. **"Fraudulent practice"** means a misrepresentation or omission of facts in order to influence a procurement process or the execution of a contract;

- c. **“Collusive practice”** means a scheme or arrangement between two or more bidders, designed to establish bid prices at artificial, noncompetitive levels; and
 - d. **Coercive practice”** means harming or threatening to harm, directly or indirectly, persons or their property to influence their participation in the procurement process or affect the execution of a contract;
- ii. I-HUB QTF, IISER PUNE will reject a proposal for award if it determines that Bidder recommended for award has, directly or through an agent, engaged in corrupt, fraudulent collusive or coercive practices in competing for the Contract in question.

10. Interpretation of the clauses in the Tender Document / Contract Document

In case of any ambiguity / dispute in the interpretation of any of the clauses in this Tender Document, The Project Director of I-HUB Quantum Technology Foundation’s interpretation of the clauses shall be final and binding on all parties.

CHAPTER 3 : CONDITIONS OF CONTRACT

1. Prices

Bid prices should be filled in the appropriate format as mentioned in Price Schedule.

All the bidders should quote prices for each and every item separately along with the consolidated prices applicable for both indigenous and imported items.

2. For Goods manufactured in India and Bidders Quoting in Indian Rupees (INR)

- i. The price of the goods must be as per the BoQ.
- ii. **The price criteria should be on F.O.R., I-HUB QTF IISER PUNE. Govt. Levies like GST. if any, shall be paid at actual rates applicable on the date of delivery. Rates should be quoted accordingly giving the basic price, GST, if any**
- iii. The price mentioned in BoQ must be inclusive of transportation, insurance, loading and unloading and any other local service required for delivering the goods for the desired destination as decided by I-HUB QTF, IISER PUNE. Loading and unloading is strictly in vendor scope. I-HUB QTF, IISER PUNE will not provide any manpower support towards the same.
- iv. The installation, commissioning and training charges (If any) must be mentioned as per the BoQ (if requested separately in BoQ) else the price quoted will be taken as inclusive of installation, commissioning and training.
- v. The company will not be responsible in case of the bidders failing to include any of the above mentioned prices in their bid. The price mentioned in the BoQ will be final and the bidder has to comply with that, if awarded the tender
- vi. Unloading of the goods at I-HUB QTF, IISER PUNE is strictly in the scope of the bidder, no manpower will be provided by I-HUB QTF, IISER PUNE.
- vii. **We are exempted from payment of Customs Duty under notification No.51/96 dated 23.07.1996. The applicable Customs Duty, if any, should be shown separately. No other charges than those mentioned clearly in the quotation will be paid.**

3. For Goods manufactured Abroad - Bidders Quoting in Foreign Currency

- i. Mode of shipment must be clearly mention in the BoQ viz Ex-works, FCA, FOB, CIP, DDP etc.
- ii. Courier mode of shipments will not be acceptable. The Shipments must be dispatched under Cargo Mode only.
- iii. Any financial implication leading to change of mode of shipment or any deviation from the bid submitted shall be borne by the bidder.
- iv. The charges towards insurance and transportation of the goods and agency commission must be clearly mentioned.
- v. The installation, commissioning and training charges (If any) must be mentioned as per the BoQ (if requested separately in BoQ) else the price quoted will be taken as inclusive of installation, commissioning and training.
- vi. The company will not be responsible in case of the bidders failing to include any of the above mentioned prices in their bid. The price mentioned in the BoQ will be final and the bidder has to comply with that, if awarded the tender.
- vii. Bidders may also bid for High Sea sales. However, entire documentation process will have to be handled by the Bidder. Any penalties/fine/demurrage levied by the Customs due to delay in paper work will be in the scope of the bidder.

4. Bank Charges

All Bank charges inside India, including opening of LC, to I-HUB Quantum Technology Foundation Account and outside India to Beneficiary's Account only. In case the BIDDER seeks confirmation of LC such confirmation charges are to the Beneficiary's account. This may please be noted and confirmed.

5. Agency Commission & Services

- i. The Agency commission payable in Indian currency only after the receipt of consignment in good condition at our Stores and satisfactory installation and commissioning of the ordered equipment.
- ii. In case of foreign quote, the Principal supplier should clearly indicate the address of the Indian Agent and percentage (%) of Agency Commission and taxes if any payable to him. Such amounts will be paid in Indian Currency to the Indian Agent.
- iii. Details of services rendered by you as well as after-sales services offered by you are to be made clear in the tender.

6. Performance Bank Guarantee

- i. The 3% Security Deposit which is mentioned above may be extended as Performance Bank Guarantee by **any Indian Nationalized/Scheduled Bank** for a period of warranty period. Any further changes in the rate of Performance Security will be considered as per government norms.

7. Performance Benchmarks

The technical evaluation committee needs to be provided with an evaluation system to carry out performance benchmarks.

8. Pre-installation

The BIDDER has to state in detail the Electrical Power/UPS requirements, floor Space, head room, foundation needed and also to state whether Air-conditioned environment is needed to house the system and to run the tests. i.e. pre-installation facilities required for installation may please be intimated in the technical bid. Subsequently, before the consignment lands in I-HUB QTF, IISER PUNE, the BIDDER shall confirm that the pre-installation requirements are sufficient for installation of the equipment. In other words the BIDDER should continuously monitor the pre-installation requirements and see that everything is ready before the consignment is taken to the site for installation.

9. Installation

- i. BIDDER shall be responsible for installation / demonstration wherever applicable and for after sales service during the warranty and thereafter.
- ii. Installation demonstration to be arranged by the supplier free of cost and the same is to be done within 15 days of the arrival of the equipment at site.
- iii. After successful installation what will be the minimum down time of equipment/instrument in case of breakdown. If the identified firm or person fails to put the system into working condition what is the further alternative course of action suggested by you to adhere to minimum down time.

10. Inspection

- i. The inspection of the system will be done by our technical expert /Scientist in the presence of firm's representative.

- ii. In case of receipt of the material in short supply or damaged condition the supplier will have to arrange the supplies/ replacement of goods free of cost pending the settlement of the insurance case wherever applicable on FOR at the I-HUB QTF, IISER PUNE Or CIF basis till satisfactory installation of the system.
- iii. The supplier should arrange for physical Inspection of the items directly or through their authorized representative within seven days of arrival of the consignment failing which they will be responsible for the losses. After the shipment is effected, the supplier/its representative/Indian agents must remain in touch with the lab/instt. to ascertain the date of arrival of consignment.

11. Training

Wherever needed, Our Scientist/Technical persons should be trained by the supplier at the project site free of cost. In case the person is to be trained at supplier's site abroad or in India it should be mentioned in the quotation clearly. The supplier should bear all the expenses for such training including 'to & fro' fares and lodging & boarding charges.

12. Warranty / Support

- i. The items covered by the schedule of requirement shall carry minimum **Three years of comprehensive warranty** from the date of acceptance of the equipment by I-HUB QTF, IISER PUNE. Warranty shall include free maintenance of the whole equipment supplied including free replacement of parts. The defects, if any, shall be attended to on immediate basis but in no case any defect should prolong for more than 24 hours. The comprehensive warranty includes onsite warranty with parts.
- ii. The defects, if any, during the guarantee/warranty period are to be rectified free of charge by arranging free replacement wherever necessary. This includes cost, insurance, freight, custom duty, octroi, local taxes if any should be borne by the beneficiary or his agent. A clear confirmation should be given for this item.
- iii. The warranty on the associated software should cover providing of upgraded version/s, if any, released during the warranty period free of cost.
- iv. The BIDDER shall assure the supply of spare parts after warranty is over for maintenance of the equipment supplied if and when required for a period of 10 years from the date of supply of equipment on payment on approved price list basis.
- v. The equipment must be supported by a Service Centre in India manned by the principal vendor's technical support engineers. The support through this Centre must be available 24 hours in a day, seven days a week and 365 days a year. Also it should be possible to contact the Principal's vendor support Centre on a toll free number/web/mail.
- vi. An undertaking from the manufacturer is required in this regard stating that they would facilitate the BIDDER on regular basis with technology / product updates & extend support for the warranty as well.
- vii. The vendor will have to arrange for all the testing equipment & tools required for installation, testing & maintenance etc.
- viii. The principal vendor must have a local logistics support by maintaining a local spares depot in the country of deployment of the equipment. This is to ensure immediate delivery of spares parts from Principal Vendor of equipment to its channel partner/system integrator.
- ix. Details of onsite warranty, agency who shall maintain during warranty and undertake Annual Maintenance Contract/Comprehensive Service Maintenance Contract beyond warranty shall be given in the offer. In case of foreign quote, the Indian Agent who shall maintain during warranty and AMC beyond warranty shall be given in the Technical Offer.

13. Commencement of Warranty Period

The warranty period of an item shall commence after receipt of the items in good working condition and from the date of its satisfactory installation/commissioning/demonstration at the project site in I-HUB QTF, IISER PUNE. The warranty period and validity of Performance Guarantee shall be extended for the period of delay in satisfactory installation and delay in warranty services.

14. Reasonability of Prices

- i. Please quote best minimum prices applicable for a premiere Educational and Research Institution.
- ii. Party must give details of identical or similar equipment, if any, supplied to any IITS/IISERS/CSIR lab/Education Research Institute during last three years along with the final price paid and Performance certificate from them.

15. Annual Maintenance Contract

- i. The party must mention in the quotation, the rate/amount of annual maintenance charges, if we opt for maintenance contract after expiry of the warranty period. This is mandatory to mention, wherever applicable.
- ii. No sub-contracting will be allowed for installation or maintaining system/ equipment / instrument during or after warranty period.

16. Indemnity

The vendor shall indemnify, protect and save I-HUB QTF, IISER PUNE against all claims, losses, costs, damages, expenses, action suits and other proceeding, resulting from infringement of any law pertaining to patent, trademarks, copyrights etc. or such other statutory infringements in respect of all the equipments supplied by him.

17. Freight & Insurance

- i. **Imports:** In case of imports the freight & insurance will be paid by I-HUB QTF, IISER PUNE as the consignments are shipped through its own nominated freight forwarder (applicable only cases of FCA/FOB shipments).
- ii. **Indigenous :** The equipment to be supplied will be insured by the vendor against all risks of loss or damage from the date of shipment till such time it is delivered at I-HUB QTF, IISER PUNE site in case of Rupee transaction.

18. Payment

No advance payments are allowed under any circumstances.

- i. Indigenous

Payment will be made within 30 days by I-HUB QTF Finance Department directly to the suppliers by RTGS/NEFT/ANY OTHER DIGITAL MODES after receipt of the goods, tested /inspected and found satisfactory with regard to quality, quantity, and specifications ordered for and after satisfying that the terms and conditions of the P.O. and tender have been fulfilled.

OR

Inland Letter of Credit will be established for 100% order value, 90% payment shall be made by a, against the presentation of original Shipping documents. Balance 10% will be released after completion

of satisfactory installation, commissioning, demonstration of the whole system, after imparting training and upon receipt of Bank Guarantee for 3% of total Order value towards performance security to be valid for till warranty period from the date of installation.

ii. Import

Letter of Credit will be established for 100% order value excluding the Agency Commission due to the Indian Agents, 90% payment shall be made by a, against the presentation of original Shipping documents. Balance 10% will be released after completion of satisfactory installation, commissioning, demonstration of the whole system, after imparting training and upon receipt of Bank Guarantee for 3% of total Order value towards performance security to be valid for till warranty period from the date of installation.

OR

By Wire Transfer for 100% of the Purchase Order value on receipt of goods and completion of satisfactory installation, commissioning, demonstration of the whole system, after imparting training and on submission of 3% Security Deposit/PBG valid till warranty period.

The payment of local currency portion shall be payable in Indian Rupees, within 30 days after the receipt of the equipment in good condition and after satisfactory installation and commissioning and demonstration.

The Agency Commission to the Indian Agent will be paid in INR only after successful installation, commissioning and satisfactory demonstration and acceptance of the items ordered for by the end user.

19. Penalty for delayed Services / LD

- i. As time is the essence of the contract, Delivery period mentioned in the Purchase Order should be strictly adhered to. Otherwise I-HUB QTF, IISER PUNE will forfeit EMD/ SD and also LD clause will be applicable /enforced.
- ii. **If the supplier fails to Supply, Install and Commission the system as per specifications mentioned in the order within the due date, the Supplier is liable to pay liquidated damages of 1% of order value per every week of delay subject to a maximum of 10% beyond the due date. Such money will be deducted from any amount due or which may become due to the supplier.**
- iii. I-HUB QTF, IISER PUNE reserves the right to cancel the order in case the delay is more than 10 weeks. Penalties, if any, will be deducted from the Security Deposit.

20. Jurisdiction

The disputes, legal matters, court matters, if any, shall be subject to Pune Jurisdiction only.

21. Comparison of Bids

Purchaser shall compare all substantially responsive bids to determine the lowest evaluated bid.

Public Procurement (Preference to Make in India), Order 2017: This Company is following and abiding with the Public Procurement (Preference to Make in India), Order 2017, DIPP, MoCI Order No. P-45021/2/2017-B.E.II dated 15th June 2017 and 4th June, 2020 and subsequent amendments to the order. Accordingly, preference will be given to the Make in India products while evaluating the bids, however, it is the sole responsibility of the bidder(s) to specify the product quoted by

them is of Make in India product along with respective documentary evidence as stipulated in the aforesaid order in the technical bid itself.

- i. I-HUB QTF, IISER PUNE shall compare all substantially responsive bids to determine the lowest valued bid. This Institute is following and abide with the Public Procurement (Preference to Make in India), Order 2017, DIPP, MoCI Order No. P-45021/2/2017-B.E.II dated 15th June 2017 and its subsequent amendments. Accordingly preference will be given to the Make in India products while evaluating the bids, however, it is the sole responsibility of the bidder(s) to specify the product quoted by them is of Make in India product along with respective documentary evidence as stipulated in the aforesaid order in the technical bid itself.
- ii. As per the above order and its subsequent amendments "Local Content" means the amount of value added in India which shall be value of the item procured (excluding net domestic indirect taxes) minus the value of the imported content in the item (including all the custom duties) as a proportion of the total value, in percent. Accordingly the suppliers will be classified in following categories.
 - a. Class I local Supplier – has local content equal to more than 50%
 - b. Class II local Supplier – has local content more than 20% but less than 50%
 - c. Non-Local Supplier – has local content less than or equal to 20%

22. Verification of Local Content

The Class I Local Supplier / Class II Local Supplier / Non-Local Supplier at the time of bidding shall be required to indicate the percentage of local content and provide self-certification that the items offered meet the local content requirement. The details of location(s), with item-wise breakup, at which the local value addition is made also needs to be specified. In case of procurement in excess of Rs.10 crores, the suppliers shall be required to provide the certificate from the statutory auditor or cost auditor of the company giving the percentage of local content. **The bidders can be debarred for a period up to two years as, per Rule 151(iii) of GFR 2017, in case of false declaration.**

23. Requirement of Registration: Vide Ministry of Finance OM No. 6/18/2019-PPD dated 23 July 2020:

- i. Any bidder from a country sharing a land border with India will be eligible to bid in this tender only if the bidder is registered with the Department for Promotion of Industry and Internal Trade (DPIIT).
- ii. "Bidder" (including the term 'tenderer', 'consultant' or 'service provider' in certain contexts) means any person or firm or company, including any member of a consortium or joint venture (that is an association of several persons, or firms or companies), every artificial juridical person not falling in any of the descriptions of bidders stated hereinbefore, including any agency branch or office controlled by such person, participating in a procurement process.
- iii. "Bidder from a country which shares a land border with India" for the purpose of this Order means:
 - a. An entity incorporated, established or registered in such a country; or
 - b. A subsidiary of an entity incorporated, established or registered in such a country; or
 - c. An entity substantially controlled through entities incorporated, established or registered in such a country; or
 - d. An entity whose beneficial owner is situated in such a country; or
 - e. An Indian (or other) agent of such an entity; or
 - f. A natural person who is a citizen of such a country; or
 - g. A consortium or joint venture where any member of the consortium or joint venture falls under any of the above.
- iv. For details about registration procedures please visit the above mentioned OM. Mandatory documentary evidence regarding the bidder's registration with DPIIT is to be submitted along with

the tender, failing which the tender shall be liable for rejection. Bidders are also requested to submit the Model Certificates as per Annexure-'I' for this tender as mentioned in the Ministry of Finance OM No. 6/18/2019-PPD dated 23rd July 2020.

24. Force Majeure

The Supplier shall not be liable for forfeiture of its performance bank guarantee, liquidated damages or termination for default, if and to the extent that, its delay in performance or other failure to perform its obligations under the Contract is the result of an event of Force Majeure. For purposes of this Clause, "Force Majeure" means an event beyond the control of the Supplier and not involving the Supplier's fault or negligence and not foreseeable. Such events may include, but are not limited to, acts of the I-HUB QTF, IISER PUNE either in its sovereign or contractual capacity, wars or revolutions, fires, floods, epidemics, quarantine restrictions and freight embargoes. If a Force Majeure situation arises, the Supplier shall promptly notify I-HUB QTF, IISER PUNE in writing of such conditions and the cause thereof. Unless otherwise directed by I-HUB QTF, IISER PUNE in writing, the Supplier shall continue to perform its obligations under the contract as far as is reasonably practical, and shall seek all reasonable alternative means for performance not prevented by the Force Majeure event.

25. Fall clause

The commercial offer shall in no way exceed the lowest price at which the contractor sells the stores of identical description to any other person/organization during the currency of the contract. Also, the Fall Clause Format as per **Annexure 'L'** should be submitted.

26. Dispute Settlement

I-HUB QTF, IISER PUNE and the Supplier shall make every effort to resolve amicably by direct informal negotiation any disagreement or dispute arising between them under or in connection with the Contract. If, after twenty-one (21) days, the parties have failed to resolve their dispute or difference by such mutual consultation, then either I-HUB QTF, IISER PUNE or the Supplier may give notice to the other party of its intention to commence arbitration, as hereinafter provided, as to the matter in dispute, and no arbitration in respect of this matter may be commenced unless such notice is given. Any dispute or difference in respect of which a notice of intention to commence arbitration has been given in accordance with this Clause shall be finally settled by arbitration. Arbitration may be commenced prior to or after delivery of the Goods under the Contract.

The dispute settlement mechanism/arbitration proceedings shall be concluded as under:

- (a) In case of Dispute or difference arising between I-HUB QTF, IISER PUNE and a domestic supplier relating to any matter arising out of or connected with this agreement, such disputes or difference shall be settled in accordance with the Indian Arbitration & Conciliation Act, 1996, the rules there under and any statutory modifications or re-enactments thereof shall apply to the arbitration proceedings. The dispute shall be referred to the Project Director, I-HUB QTF, IISER PUNE, if he is unable/ unwilling to act, to the sole arbitration of some other person appointed by his willing to act as such Arbitrator. The award of the arbitrator so appointed shall be final, conclusive and binding on all parties to this order.
- (b) In the case of a dispute between the Purchase and a Foreign supplier, the dispute shall be settled by arbitration in accordance with provision of sub-clause (a) above. But if this is not acceptable to the supplier then the dispute shall be settled in accordance with provisions of UNCITRAL (United Nations Commission on International Trade Law) Arbitration Rules.

The venue of the arbitration shall be the place from where the purchase order or contract is issued.

CHAPTER 4: SCHEDULE OF REQUIREMENTS, SPECIFICATIONS & ALLIED TECHNICAL DETAILS

All the below-mentioned three modules (Diode Laser Cluster for Ion Trap, Wavelength Meter, 729 nm laser with less than 5 Hz Linewidth) need to be integrated by the prospective vendor for seamless frequency locking and line width reduction as mentioned in the detailed specifications.

PART – I: TECHNICAL SPECIFICATIONS FOR COMPLETE DIODE LASER CLUSTER FOR CA ION

Diode Laser cluster with the following wavelengths-

- 1) 396.959 nm
- 2) 422.792 nm
- 3) 854.444 nm
- 4) 866.452 nm
- 5) 375 nm
- 6) 515 nm

All LASERs should have the following capabilities-

1. Stable, single-mode(TEM00) CW output, with a feature of locking at the desired wavelength and also narrowing the linewidth of the laser
2. LASER controller with precise control over current, temperature, and piezo.
3. All lasers and controllers should be Integrated within a 19" Rack System.
4. Laser light provided via Single Mode Polarization Maintaining Fibers.

The entire system should be assembled in a rack mount System. Proof of having the system working in the field through end users certificates (either Domestic or International Customers)

1) 396.959 nm LASER System: (10 marks)

LASER Specifications:

- Laser central wavelength: 396.959 nm
- Output power: > 30 mW at the output of the laser with linewidth narrowing, before the optical isolator
- Average linewidth with grating feedback (5 usec) : < 350 kHz. The detailed technique of measurement should be supplied by the vendor. A reference to any whitepaper by the vendor or a published paper that clearly describes the technical details of the measurement method has to be provided by the vendor as supporting document.
- Course tuning range: minimum 2 nm
- Mode hop free tuning range : > 15 GHz
- Built in piezo electric element for frequency tuning, with Piezo operating voltage range : 0 - 150 V
- Capability of Externally modulating the current
External current DC modulation Range: DC – at least 100 MHz (with suitable Low voltage input)
External current AC modulation range: at least 100 KHz to at least 150 MHz.
RF bias-T or suitable current modulation (with appropriate protection) Range : > 2GHz (Modulation Voltage range >= +/- 2V)
- Fiber coupling efficiency : >55%
- Optical isolator for output: >35 db isolation

2) 422.792nm nm LASER System: (10 marks)

LASER Specifications:

- Laser central wavelength: 422.792 nm
- Output power: > 30 mW at the output of the laser with linewidth narrowing, before the optical isolator
- Average linewidth with grating feedback (5 usec) : < 350 kHz. The detailed technique of measurement should be supplied by the vendor. A reference to any whitepaper by the vendor or a published paper that clearly describes the technical details of the measurement method has to be provided by the vendor as supporting document.
- Course tuning range: minimum 2 nm
- Mode hop free tuning range : > 15 GHz
- Built in piezo electric element for frequency tuning, with Piezo operating voltage range : 0 - 150 V
- Capability of Externally modulating the current
External current DC modulation Range: DC – at least 100 MHz (with suitable Low voltage input)

External current AC modulation range: at least 100 KHz to at least 150 MHz.

RF bias-T or suitable current modulation (with appropriate protection) Range : > 2GHz (Modulation Voltage range >= +/- 2V)

- Fiber coupling efficiency : >55%
- Optical isolator for output: >35 db isolation

3) 854.444 nm LASER System: (10 marks)

LASER Specifications:

- Laser central wavelength: 854.444nm
- Output power: > 30 mW at the output of the laser with linewidth narrowing, before the optical isolator
- Average linewidth with grating feedback (5 usec) : < 150 kHz
- Coarse tuning range : > 5 nm
- Mode hope free tuning range : > 15 GHz
- Built in piezo electric element for frequency tuning, with Piezo operating voltage range : 0 - 150 V
- Capability of Externally modulating the current
External current DC modulation Range: DC – at least 100 MHz (with suitable Low voltage input)
External current AC modulation range: at least 100 KHz to at least 150 MHz.
RF bias-T or suitable current modulation (with appropriate protection) Range : > 2GHz (Modulation Voltage range >= +/- 2V)
- Fiber coupling efficiency : >55%
- Optical isolator for output: >35 db isolation

4) 866.452 nm LASER System: (10 marks)

LASER Specifications:

- Laser central wavelength: 866.452 nm
- Output power: > 30 mW at the output of the laser with linewidth narrowing, before the optical isolator
- Average linewidth with grating feedback (5 usec) : < 150 kHz
- Coarse tuning range : > 5 nm
- Mode hope free tuning range : > 15 GHz
- Built in Piezo Electric element for frequency tuning with Piezo operating voltage range: 0- at least 140 V
- Capability of Externally modulating the current
External current DC modulation Range: DC – at least 100 MHz (with suitable Low voltage input)
External current AC modulation range: at least 100 KHz to at least 150 MHz.
RF bias-T or suitable current modulation (with appropriate protection) Range : > 2GHz (Modulation Voltage range >= +/- 2V)
- Fiber coupling efficiency : >55%
- Optical isolator for output: >35 db isolation

5) LASER controller System (20 marks):

Laser controller specifications are common to all the above mentioned 4 lasers (396.959 nm, 422.792 nm, 854.444 nm, 866.452 nm).

LASER Controller Specification:

- Built in or modular current, temperature, and piezo control
- Current noise density: 280 pA / sqrt(Hz) @ 1 kHz
- Low frequency current noise (0.1 Hz ... 10 Hz): < 50 nA p-p
- Wavelength setting resolution via piezo voltage: <10 kHz
- Piezo scan rate: 1 - 1000 Hz
- Capability of Externally providing feedback to the piezo
- Temperature stability: >= 5mK (for laser set point temperature between 10 and 25 Deg C)
- High resolution current, temperature and piezo drivers:
 - i. Smallest current step better than 20 nA
 - ii. Smallest temperature step better than 100 µK

Environmental robustness:

- i. Current driver: < 3 ppm/K
- ii. Temperature driver: < 140 µK/K
- iii. Piezo driver: < 40 ppm/K

- Operating temperature range: at least 5o on the laser side to at least upto 40o C on the higher side
- Should have a built-in Lock-in amplifier for generating error signal from frequency modulation
- Integrated Pound-Drever Hall for error signal generation.
- Lock-in Amp frequency modulation output freq. range: ≥ 5 MHz
- Lock-in amplifier reference phase adjustment range (0-180 Degree)
- Built-in Proportional-Integral-Differentiator control should be there
- Capability of providing error signal to both the current and the piezo, with appropriate slow and fast control loop for locking the Laser Frequency
- Feedback loop bandwidth (slow, fast): (> 500 Hz for slow loop, > 40 MHz for fast loop)
- Capability of accepting externally generated error signal should be there
- External interlock: yes
- All necessary current, temperature, and feedback signal generators.
- GUI/ Touch Screen/Remote control (Ethernet/USB)/Analog remote control; remote operation is supported by python/ LabView Vis.
- Feedback signal conditioner (PID), Piezo drivers should be provided and should be as modular as possible. All the external control signals to be easily accessible and one should be able to monitor them.

6) 375 nm LASER System: (10 marks)

LASER Specifications:

- The laser should be suitable for second stage photoionization in ionizing neutral Calcium atoms (^{40}Ca and ^{43}Ca), wherein the first stage is excited with 422 nm tunable laser
- The line width of a free laser is enough, it need not be having a line width of less than a MHz. IT should be suitable for the above mentioned application
- Laser wavelength can be ± 3 nms

7) 515 nm LASER System: (10 marks)

LASER Specifications:

- The laser should be suitable for photo- desorption of calcium for loading calcium into the ion trap
- Laser central wavelength: 515 (± 3 nms), suitable for photo-desorption
- Output power: > 100 mW at the output of the laser with linewidth narrowing, before the optical isolator
- Pulse mode operation with variable pulse duration of 100's of ns, and repetition rate > 10 KHz, the pulse output should be achievable by current switching and should be programmable.

8) RACK System: (20 marks)

RACK Specifications:

- 19" Laser Rack System for integration of laser systems and control units
- Integrated high-speed, 8-port Ethernet switch for remote control of laser and frequency comb systems
- Modular Opto- Mechanics Breadboard provided space for custom optics
- Highly stable optical breadboard built by low-strain, flat-surface > 19.5 -mm thick aluminium
- Passive vibration isolation decoupling breadboard from sub-rack and rack
- Breadboard dimensions maximizing available space > 389 (L) mm x 590 (W) mm
- RACK mobility via four castors, and fixation via four eye bolts
- fan-free thermal management for noise reduction in lasers
- Modular Power Entry Unit :
Power supply input: 200-240 V AC, 50 Hz

Bold numbers in brackets indicates marks for each of the specifications.

TOTAL QUALIFYING MARKS MORE THAN OR EQUAL TO 90 MARKS.

PART - II: TECHNICAL SPECIFICATIONS FOR WAVELENGTH METER

Wavelength meter for measuring wavelengths of narrow linewidth lasers with an accuracy better than 5 MHz:

Wavelength meter should be provided with the below-mentioned specifications, along with a frequency stabilised He-Ne laser for continuous frequency reference and calibration

Wavelength meter: (100 marks)

Wavelength meter Specifications:*

- measurement range: 335 to 1180 nm (5)
- Absolute accuracy: 330 to 375 nm: ± 10 MHz, 375 to 1180 nm: ± 2 MHz (15)
- Solid state Fizeau interferometers for long lifetime and high accuracy without any moving parts (10)
- Capable of cw and pulsed laser measurement (2)
- Fiber coupled input for high measurement stability (4)
- Wavelength measurement speed > 100 Hz (without multiplexing, or when measuring single wavelength)(4)
- High speed USB 2.0 or 3.0 interface (2)
- Error signal output option for stabilizing any external tunable laser to any wavelength (5)
- 1 x 8 Photonic crystal switch for simultaneous multiple laser measurements (5)
- Eight input channels (1 x 8) with suitable optical fiber (350 to 1180 nm) (5)

He-Ne laser Specifications:*

- The laser should be any suitable reference laser with stabilization to some atomic or molecular absorption line. (10)
- Nominal wavelength depends upon the chosen atomic/molecular absorption line that provides absolute reference. (5)
- Method of stabilization: Any suitable frequency discrimination method (to lock to the peaks of the chosen atomic/molecular lines) (5)
- Repeatability 2.5×10^{-11} (5)
- Method of stabilization: Third harmonic method (2)
- Polarization: Linear, vertical (2)
- Incl. double stage isolator, > 55 dB, typ. 57 dB, transmission $> 60\%$ (2)
- Fiber coupled, Rack mountable (2)
- Continuous frequency lock over 24 hours (5)
- Tuning: Automatic (5)

Bold numbers in brackets indicates marks for each of the specifications.

TOTAL QUALIFYING MARKS MORE THAN OR EQUAL TO 90 MARKS.

PART - III: TECHNICAL SPECIFICATIONS FOR 729 NM LASER WITH HZ LINEWIDTH

1. A turnkey laser system of extremely narrow linewidth, high frequency stability, with nominal output wavelength of 729 nm to drive the clock transition ($S_{1/2} \rightarrow D_{5/2}$ transition) in Ca^+ ion (15)
2. Output power > 100 mW at the output of Single mode polarization maintaining fiber of at least 5 M length (10)
3. Appropriate Ultra-high stability ULE cavity for line narrowing and stabilizing the laser with all necessary optical and electronic modules such as mode monitoring camera, EOM, active vibration isolation system etc. (15)
4. Line width to be less than 5 Hz (10)
5. Long term drift of the locked laser frequency < 500 mHz/s **and** Frequency stability better than 5×10^{-15} over 1 s (20)
6. Appropriate temperature and current controller to be included to meet the linewidth and drift characteristics and Frequency stabilization electronics (fast and slow feedback for short term and long term frequency deviations) (10)
7. Ultra High Finesse optical cavity with ultra low thermal expansion materials suitably housed in UHV chamber for providing frequency reference for the stabilizing the laser (10)
8. All necessary optomechanical components (fiber couplers, optical fibers, mirror mounts) for stabilization of the laser and the laser should operated seamlessly with the system provided in Part-II of the tender document (10)

Bold numbers in brackets indicates marks for each of the specifications.

TOTAL QUALIFYING MARKS MORE THAN OR EQUAL TO 90 MARKS.

CHAPTER 5: PRICE SCHEDULE

ALL THE BIDDERS SHOULD QUOTE THEIR OFFER IN FOLLOWING FORMAT FOR UNIFORMITY

The Bill of materials must be included in technical offer as well as commercial offer. **However the Technical offer should not contain any price information.**

PRICE SCHEDULE FOR GOODS – INR

Name of the Bidder _____

Tender No. _____

1	2	3	4	5	6	7	8	9	10	11	12
Sr. No.	Item Description	Country of Origin	Qty	Unit	Ex-Works. Ex-Warehouse, Ex-show room off the shelf price (inclusive of tax already paid)	Total price	GST payable, if contract is awarded	Packing & forwarding up to station of dispatch, if any	Charges of inland transportation, insurance up to Company	Installation, Commissioning & training charges, If any.	Gross Total(FOR)
						Ex-Works. Ex-Warehouse, Ex-show room off the shelf price (inclusive of tax already paid) 4x6					
1											
2											
3											

Total Bid price in _____ in words.

Signature of Bidder:
Name:

Note:

The cost of optional items shall be indicated separately.

The bidder may add rows to include the prices of all components & warranties, installation etc. whichever applicable.

(a)Cost of spares _____



GLOBAL TENDER ENQUIRY
NOTICE INVITING TENDER (E-Procurement mode)
I-HUB QUANTUM TECHNOLOGY FOUNDATION, IISER PUNE



(b)Warranty if being charged include in BoQ

ALL THE BIDDERS SHOULD QUOTE THEIR OFFER IN FOLLOWING FORMAT FOR UNIFORMITY

The Bill of materials must be included in the technical offer as well as commercial offer. **However, the Technical offer should not contain any price information.**

PRICE SCHEDULE FOR GOODS - FOREIGN CURRENCY

Name of the Bidder _____

Tender No. _____

1	2	3	4	5	6		7		8		9
SI No	Item Description	HSN Code	Unit	Qty	Unit Price		Total price		Charges for Insurance & transportation to port/ place of destination		Total Price
					FOB (named port of shipment)	FCA (named place of delivery)	FOB (named port of shipment)	FCA (named place of delivery)	Ocean	Air	CIF
1											
2											
3											

Total Bid price in foreign Currency _____ in words.

Signature of Bidder :
Name :
Business Address :

Note:

The Bidder may add rows as per requirement to include the prices of all Components/Parts, Warranties, Installation etc. whichever applicable.

- (a) Indian agents name & address _____
- (b) Installation, commissioning & training charges, if any _____
- (c) Cost of Spares _____
- (d) The Indian agent's commission shall paid in Indian Rupees only based on the Exchange Rate prevailing on the date of negotiation of documents.
- (e) The cost of optional items shall be indicated separately.

ANNEXURES

Annexure-'A'

A: FORMAT/QUESTIONNAIRE FOR COMPLIANCE OF TERMS AND CONDITIONS

Tender No.: _____

Due Date _____

NOTE:

1. Quotation will not be considered without submission of this format.
2. If a particular question is not at all applicable please write NA in compliance part in Col. No. 4 below.
3. Kindly see the relevant terms & conditions of the tender document in each question before replying to the questions mentioned in Col. 2 below).

SNo	Terms & condition of Tender document	Whether acceptable (say 'Yes' or 'No' (preferably use different colour ink for 'No')	Deviation from tender terms, if any, with reasons for noncompliance or alternative condition quoted for
1	2	3	4
1	a.) Whether quotation is direct from Principal supplier/manufacturer or their own office in India (Please specify)		
	b) Whether quotation is being submitted by Indian Agent/authorized distributor/ dealer		
	c) Whether the agent is registered with NSIC/MSME		

SNo	Terms & condition of Tender document	Whether acceptable (say 'Yes' or 'No' preferably use different colour ink for 'No')	Deviation from tender terms, if any, with reasons for noncompliance or alternative condition quoted for
2	Whether techno-commercial Bid contains EMD, technical literature/leaflets, detailed specifications & commercial terms & conditions etc. as applicable.		
3	a) Whether the required Scanned copy of Tender Fee & EMD is being submitted with the quotation		
	b) Please specify the form of EMD whether in the form of DD/bank guarantee or TDR/FDR (Please mention No., date & amount of EMD documents.) or Bid Security Format at Annexure –'C'		
4	a. If the prices are on Ex-Works basis or FOB (names port of shipment) or FCA (named place of delivery abroad)		
	b. Whether specific amounts or percentage of expenses like packing, forwarding, handling, freight, insurance, documentation etc. have been mentioned in quotation separately in clear terms.		

SNo	Terms & condition of Tender document	Whether acceptable (say 'Yes' or 'No' (preferably use different colour ink for 'No')	Deviation from tender terms, if any, with reasons for noncompliance or alternative condition quoted for
5	a) Whether prevailing rates of GST and other govt. levies (for indigenous supplies) have been given in quotation		
6	Have you mentioned the validity period of the quotation as per our requirements		
7	a) Whether the Price reasonability Certificate is submitted with quotation		
	b) Whether copies of last two supply orders of the same item from other customers have been attached with the quotation		
8	Whether rates/amount of AMC after the warranty period is over has been mentioned		
9	Have you gone through the specification Clause & complied with the same		

SNo	Terms & condition of Tender document	Whether acceptable (say 'Yes' or 'No' (preferably use different colour ink for 'No')	Deviation from tender terms, if any, with reasons for noncompliance or alternative condition quoted for
10	Whether the Make/Brand, Model number and name of manufacturer has been mentioned in the quotation and Printed technical literature/ leaflets of quoted items have been submitted		
11	Whether compliance statement of specifications has been attached with the quotation.		
12	a) Whether the delivery period for supply of the items has been mentioned		
	b) Whether mode of delivery & tentative size & weight of the consignment has also been indicated		
13	Do you agree to the submission of Performance Bank Guarantee and have you mentioned in your quotation about this.		
14	a) Do you agree with the payment terms for indigenous supplies?		No deviation permitted
	b) Do you agree with the payment terms for imports supplies?		
15	Do you agree about the date of commencement of warranty period & its extension is necessary.		

SNo	Terms & condition of Tender document	Whether acceptable (say 'Yes' or 'No' (preferably use different colour ink for 'No')	Deviation from tender terms, if any, with reasons for noncompliance or alternative condition quoted for
16	a) Who will install/commission and demonstrate the equipment at I-HUB QTF, IISER PUNE, FREE OF COST.		
	b) Will you be able to do it within a month?		
17	Have you mentioned the guarantee/warranty period in your quotation and do you agree with guarantee clause?		
18	Spare parts		
19	After Sales service		
20	a) Do you agree that on receipt of material in damaged condition or short supply you will replace the same on CIF basis, free of cost pending the settlement of the insurance claim?		
	b) Do you agree with the clause of physical inspection?		
21	Whether list of specific user's for the same item & model as quoted along-with performance certificates from the users is submitted with offer		
22	Whether you agree to the penalty clause for late delivery & installation?		

SNo	Terms & condition of Tender document	Whether acceptable (say 'Yes' or 'No' (preferably use different colour ink for 'No'))	Deviation from tender terms, if any, with reasons for noncompliance or alternative condition quoted for
23	Whether training to our scientist/technical person will be given free of cost . If yes, have you specified in quotation whether it will be in our lab? Or at supplier's site in India or abroad.		
24	a) Whether all the pages have been page numbered?		
	b) Whether quotation has been signed and designation & name of signatory mentioned.		

B: FORMAT OF COMPLIANCE STATEMENT OF SPECIFICATIONS

S. N.	Name of specifications/ part / Accessories of tender enquiry	Specifications of quoted Model/ Item	Compliance Whether "YES" Or "NO"	Deviation, if any, to be indicated in unambiguous terms	Whether the compliance / deviation is clearly mentioned in technical leaflet/ literature
1	2	3	4	5	6

C: BID SECURITY FORM

Whereas (Hereinafter called “the tenderer”) has submitted their offer datedfor the supply of (Hereinafter called “the tender”) against the purchaser’s tender enquiry No. _____

KNOW ALL MEN by these presents that WE (Name of bank) of (Name of country), having our registered office at (Address of bank) (Hereinafter called the “Bank”), are bound unto (Name of purchaser) (Hereinafter called “the purchaser”) in the sum of for which payment will and truly to be made to the said Purchaser, the Bank binds itself, its successors, and assigns by these presents. Sealed with the Common Seal of the said Bank this day of..... 20.....

THE CONDITIONS OF THESE OBLIGATIONS ARE:

- 1. If the tenderer withdraws or amends, impairs or derogates from the tender in any respect within the period of validity of this tender.
- 2. If the tenderer having been notified of the acceptance of his tender by the Purchaser during the period of its validity.
- 3. If the tenderer fails to furnish the Performance Security for the due Performance of the contract.
- 4. Fails or refuses to accept/execute the contract.

WE undertake to pay the Purchaser up to the above amount upon receipt of its first written demand, without the Purchaser having to substantiate its demand, provided that in its demand the Purchase will note that the amount claimed by it is due to it, owing to the occurrence of one or both of the two conditions, specifying the occurred condition or conditions.

The guarantee shall remain in force up to and including forty five (45) days after the period of the bid validity, and any demand in respect thereof should reach the Bank not later than the above date.

.....
(Signature of the authorized officer of the Bank)
Name and Designation of the Officer
Seal, Name & Address of the Bank and
address of the branch

D: MANUFACTURER'S AUTHORIZATION FORM

[The Bidder shall require the Manufacturer to fill in this Form in accordance with the instructions indicated. This letter of authorization should be on the letterhead of the Manufacturer and should be signed by a person with the proper authority to sign documents that re binding on the Manufacturer]

Date: [Insert date (as Day, month and year) of Bid submission]

Tender No.: [Insert number from Invitation for Bids]

To: [Insert complete name and address of Purchaser]

WHEREAS

We [insert completer name of Manufacturer], who are official manufacturers of [Insert type of goods manufactured] having factories at [insert full address of Manufacturer's factories], do hereby authorize [insert complete name of Bidder] to submit a bid the purpose of which is to provide the following goods, manufactured by us [insert name and or brief description of the goods], and to subsequently negotiate and sign the contract.

We hereby extend our full guarantee and warranty in accordance with the Terms and Conditions of Contract with respect to the Goods offered by the above firm.

Signed: [insert signature(s) of authorized representative(s) of the Manufacturer]

Name: [insert complete name(s) of authorized representative(s) of the Manufacturer]

Title: [insert title]

Duly authorized to sign this Authorization on behalf of: [insert complete name of Bidder]

Dated on _____ day of _____ [insert date of signing]

E: PREVIOUS SUPPLY ORDERS FORMAT

Name of the Firm _____

Order placed by {Full address of Purchaser}	Order No. and Date	Description and quantity of ordered equipment	Value of order	Date of completion of delivery as per contract	Date of actual completion of delivery	Remarks indicating reasons for late delivery, if any and justification for price difference of their supply order & those quoted to us.	Has the equipment been installed satisfactorily?	Contact Person along with Telephone no., Fax no. and e- mail address.

Note: Purchase orders (preferably from the Govt. organizations) for whom similar supply has been made by the bidder in last three years.

Signature and Seal of the Manufacturer/ bidder

Place:

Date:

F: BIDDER INFORMATION FORM

Company Name : _____
 Registration Number : _____
 Registered Address : _____

Name of Partners /Director : _____

City : _____

Postal Code : _____

Company's Establishment Year : _____

Company's Nature of Business : _____

Company's Legal Status (tick on appropriate option)

- 1) Limited Company
- 2) Undertaking
- 3) Joint Venture
- 4) Partnership
- 5) Others

Company Category

- 1) Micro Unit as per MSME
- 2) Small Unit as per MSME
- 3) Medium Unit as per MSME
- 4) Ancillary Unit
- 5) SSI
- 6) Others

CONTACT DETAILS

Contact Name : _____

Email Id : _____

Designation : _____

Phone No : (_____) _____

Mobile No : _____

BANK DETAILS

Name of Beneficiary : _____

A/c. No. CC/CD/SB/OD: _____

Name of Bank : _____

IFSC NO. (Bank) : _____

Enclose scan copy of cancelled Cheque.

Branch Address and Branch Code: _____

Other Details

Vendor's PAN No. _____

Vendor's GST No: _____ x

**G: CERTIFICATE - Blacklisted
(to be provided on letter head of the firm)**

I hereby certify that the above firm neither blacklisted by any Central/State Government/Public Undertaking/Institute nor is any criminal case registered / pending against the firm or its owner / partners anywhere in India.

I also certify that the above information is true and correct in any every respect and in any case at a later date it is found that any details provided above are incorrect, any contract given to the above firm may be summarily terminated and the firm blacklisted.

Date:

Authorized Signatory

Name:

Place:

Designation:

Contact No.:

H: ANNUAL MAINTENANCE CONTRACT

We hereby certify that the Annual Maintenance Contract for the equipment, after expiry of warranty period will be charged as follows:

For Comprehensive AMC

- 1) 1st year ____ % of the equipment value
- 2) 2nd year ____% of the equipment value
- 3) 3rd year ____% of the equipment value.

For Non - Comprehensive AMC

- 1) 1st year ____ % of the equipment value
- 2) 2nd year ____% of the equipment value
- 3) 3rd year ____% of the equipment value.

We also certify that the spares for the equipment will be available for the equipment for ____ years.

Date:

Authorized Signatory

Name:

Place:

Designation:

Contact No.:

**I: CERTIFICATE BY BIDDER
(to be provided on letter head of the firm)**

CERTIFICATE BY BIDDER- DPIIT REGISTRATION

I have read the clause regarding restrictions on procurement from a bidder of a country which shares a land border with India; I certify that this bidder is not from such a country or, / if from such a country, has been registered with the Competent Authority (copy of the Registration Certificate enclosed) . I hereby certify that this bidder fulfils all requirements in this regard and is eligible to be considered.

Signature with Date and Stamp
Of the Bidder

F: DECLARATION OF LOCAL CONTENT AND AVAILABILITY/COMPLIANCE OF EQUIPMENT

(To be given on company letterhead for equipment value is below Rs. 10 Crores)

(To be given by Statutory Auditor/Cost Auditor/Cost Accountant/CA for equipment value is above 10 Crores)

Date: _____

To,
I-HUB Quantum Technology Foundation,
1st Floor, Main Building, IISER Campus,
Dr. Homi Bhabha Road, Pashan
Pune-411008

Sub: Declaration of Local content and availability/compliance of equipment

Item No.	Name of the Item	Currency (must be INR)	Local content %	Country of Origin	Please give details of location(s) at which the local value addition is made (item-wise breakup)	Comply/capable to provide (yes/no)
1	Specify the item(s) or part(s) of equipment which is/are manufactured locally. Also, specify the non-local part(s), if any.					
2	The sum of percentages of these declared items should be 100%. For Example: " 30 % Local Content + 70 % Non-Local Content = 100 % "					
3						
4						
5						

Manufacturing License Number for the local content items declared above: _____
(Please enclose Manufacturing License Document)

"Local Content" means the amount of value added in India which shall, be the total value of the item being offered minus the value of the imported content in the item (including all customs duties) as a proportion of the total value, in percent.

*"*False declaration will be in breach of Code of Integrity under Rule 175(1)(i)(h) of the General Financial Rules for which a bidder or its successors can be debarred for up to two years as per Rule 151 (iii) of the General Financial Rules along with such other actions as may be permissible under law."*

Yours faithfully,
(Signature of the Bidder with Official Seal)

**K: BID SECURITY DECLARATION
(On company letter head)**

To,
Project Director
I-HUB QTF, IISER PUNE
Dr.Homi Bhabha Road, Pashan
Pune-411008

Subject : Bid Security Declaration

It has been certified that all information provided in tender form is true and correct to the best of our knowledge and belief. No forged / tampered document(s) are produced with tender form for gaining unlawful advantage. We understand that IISER, Pune is authorized to make enquiry to establish the facts claimed and obtain confidential reports from clients.

In case it is established that any information provided by us is false / misleading or in the circumstances where it is found that we have made any wrong claims, we are liable for forfeiture of EMD/SD and or any penal action and other damages including withdrawal of all work / purchase orders being executed by us. Further I-HUB QTF, IISER Pune is also authorized to blacklist our firm/company/agency and debar us in participating in any tender/bid in future.

I / We assure the Company that neither I / We nor any of my / our workers will do any act/s which are improper / illegal during the execution in case the tender is awarded to us.

Neither I / We nor anybody on my / our behalf will indulge in any corrupt activities / practices in my / our dealing with the Company.

Our Firm/ Company/ Agency is not been blacklisted or banned by any Govt. Department, PSU, University, Autonomous Institute or Any other Govt. Organization.

I/We are accepting that if we withdraw or modify our bids during period of validity etc., we will be suspended for the period of six months to participate in any tender issued by I-HUB QTF, IISER PUNE.

Date:

Signature of the Tenderer

Place:

Stamp

**L: FALL CLAUSE
(On company letter head)**

With this letter, we would like to declare that in case we supply or quote a lower rate to other Government or Public / Private sector organisations for the same products quoted to you, we would reimburse the excess. Negotiations may be called for to get the prices reduced.

Date:

Signature of the Tenderer

Place:

Stamp

M: PRE-CONTRACT INTEGRITY PACT

The specimen of the Pre-Contract Integrity Pact which is part of tender documents is as follows:-

INTEGRITY PACT

This pre-bid pre-contract Agreement (hereinafter called the Integrity Pact) is made on ____ day of the month ____ year ____ between I-HUB Quantum Technology Foundation, IISER Pune (herein after referred to as 'BUYER'), which expression shall mean and include, unless the context otherwise requires, his successors in office and assigns) of the First Part and M/s _____ represented by _____ Chief Executive Officer (hereinafter called the "BIDDER / Seller", which expression shall mean and include, unless the context otherwise requires, his successors and permitted assigns) of the Second Part.

Whereas the BUYER proposes to procure _____ Supply, Installation & Commissioning of _____ and the BIDDER / Seller is willing to offer / has offered the stores and _____

Whereas the BIDDER is a private company/public company/partnership/ registered export agency, constituted in accordance with the relevant law in the matter and the BUYER (I-HUB QTF) is a Section 8 Company funded by Department of Science and Technology, Govt. of India and hosted by Indian Institute of Science Education and Research (IISER) Pune.

Now, therefore,

To avoid all forms of corruption by following a system that is fair, transparent and free from any influence/unprejudiced dealings prior to, during and subsequent to the currency of the contract to be entered into with a view to:

Enabling the BUYER to obtain the desired said stores/equipment at a competitive price in conformity with the defined specifications by avoiding the high cost and the distortionary impact of corruption on public procurement, and

Enabling BIDDERS to abstain from bribing or indulging in any corrupt practice in order to secure the contract by providing assurance to them that their competitors will also abstain from bribing and other corrupt practices and the BUYER will commit to prevent corruption in any form by its officials by following transparent procedures.

The parties hereto hereby agree to enter into this Integrity Pact and agree as follows:

1. Commitments of the BUYER

- 1.1 The BUYER undertakes that no official of the BUYER, connected directly or Indirectly with the contract, will demand, take a promise for or accept, directly or through intermediaries, any bribe, consideration, gift, reward, favour or any material or immaterial benefit or any other advantage from the BIDDER either for themselves or for any person, organization or third party related to the contract in exchange for an advantage in the bidding process, bid evaluation, contracting or implementation process related to the Contract.
- 1.2 The BUYER will, during the pre-contract stage, treat all Bidders alike, and will provide to all Bidders the same information and will not provide any such information to any particular Bidder which could afford an advantage to that particular Bidder in comparison to other Bidders.
- 1.3 All the officials of the BUYER will report to the appropriate Government office any attempted or completed breaches of the above commitments as well as any substantial suspicion of such a breach. In case any such preceding misconduct on the part of such official (s) is reported by the Bidder to the BUYER, with full and verifiable facts and the same is prima facie found to be correct by the BUYER, necessary disciplinary proceedings, or any other action as deemed fit, including criminal proceedings may be initiated by the BUYER and such a person shall be debarred from further dealings related to the contract process. In such a case while an enquiry is being conducted by the BUYER the proceedings under the contract would not be stalled.

2. Commitments of BIDDER

- 2.1 The BIDDER commits himself to take all measures necessary to prevent corrupt practices, unfair means and illegal activities during any stage of its bid or during any pre-contract or post-contract stage in order to secure the contract or in furtherance to secure it and in particular commits himself to the following:
- 2.2 The BIDDER will not offer, directly or through intermediaries, any bribe, Consideration, gift, reward, favour, any material or immaterial benefit or other advantage, commission, fees, brokerage or inducement to any official of the BUYER, connected directly or indirectly with bidding process, or to any person, organization or third party related to the contract in exchange for any advantage in the bidding, evaluation, contracting and implementation of the Contract.
- 2.3 The BIDDER further undertakes that he has not given, offered or promised to give, directly or indirectly any bribe, gift, consideration, reward, favour, any material or immaterial benefit or other advantage, commission, fees, brokerage or inducement to any official of the BUYER or otherwise in procuring the Contract or forbearing to do or having done any act in relation to the obtaining or execution of the Contract or any other Contract with the BUYER for showing or forbearing to show favour or disfavor to any person in relation to the Contract or any other Contract with respect to the BUYER's Organisation.
- 2.4 BIDDERS shall disclose the name and address of agents and representatives and Indian BIDDERS shall disclose their foreign principals or associates.
- 2.5 BIDDERS shall disclose the payments to be made by them to agents/brokers on any other intermediary, in connection with this bid/contract.
- 2.6 The BIDDERS further confirms and declares to the BUYER that the BIDDER is the original manufacturer/ integrator/ authorized Govt. sponsored Export entity of the stores and has not engaged any individual or firm or company whether Indian or foreign to intercede, facilitate or in any way to recommend to the BUYER, or any of its functionaries, whether officially or unofficially to the award of the contract to the BIDDER; nor has any amount been paid, promised or intended to be paid to any such individual, firm or Company in respect of any such intercession, facilitation or recommendation.
- 2.7 The BIDDER, either while presenting the bid or during pre-contract negotiations or before signing the contract, shall disclose any payments he has made, is committed to or intends to make to officials of the BUYER or their family members, agents, brokers or any other intermediaries in connection with the contract and the details of services agreed upon for such payments.
- 2.8 The BIDDER will not collude with other parties interested in the contract to impair the transparency, fairness and progress of the bidding process, bid evaluation, contracting and implementation of the contract.
- 2.9 The BIDDER will not accept any advantage in exchange for any corrupt practice, unfair means and illegal activities.
- 2.10 The BIDDER shall not use improperly, for purposes of competition or personal gain, or pass on to others, any information provided by the BUYER as part of the business relationship, regarding plans, technical proposals and business details; including information contained in any electronic data carrier. The BIDDER also undertakes to exercise due and adequate care lest any such information is divulged.
- 2.11 The BIDDER commits to refrain from giving any complaint directly or through any other manner without supporting it with full and verifiable facts.
- 2.12 The BIDDER shall not instigate or cause to instigate any third person to commit any of the actions mentioned above.
- 2.13 If the BIDDER or any employee of BIDDER on any person acting on behalf of BIDDER, either directly or indirectly, is a relative of any of the officers of the BUYER, or alternatively, if any relative of an officer of the BUYER has financial interest / stake in the BIDDERS' firm, the same shall be disclosed by the BIDDER at the time of filling of tender. The term 'relative' for this purpose would be as defined in Section 6 of the Companies Act 2013.

3. Previous Transgression

- 3.1 The BIDDER declares that no previous transgression occurred in the last three years - immediately before signing of this Integrity Pact, with any other company in any country in respect of any corrupt practices envisaged herein or with any Public Sector Enterprise in India or any Government Department in India that could justify BIDDERS' exclusion from the tender process.

- 3.2 The BIDDER agrees that if it makes incorrect statement on this subject, BIDDER can be disqualified from the tender process or the contract, if already awarded, can be terminated for such reason.

4. Security Deposit

- 4.1 While submitting commercial bid, the BIDDER shall deposit 5% of the contract value (to be specified in RFP) as Security Deposit with the BUYER through any of the following instruments:
- i. Bank Draft or Pay Order in favour of BUYER payable at location of/specified by BUYER.
 - ii. A confirmed guarantee by an Indian Nationalized Bank, promising payment of the guaranteed sum to the BUYER, on demand within three working days without any demur whatsoever and without seeking any reasons whatsoever. The demand for payment by the BUYER shall be treated as conclusive proof for payment.
- 4.2. The Earnest Money/Security Deposit shall be valid up to a period of years as per the by warranty or the complete conclusion of contractual obligations to complete satisfaction of both the BIDDER and the BUYER, including warranty period, whichever is later.
- 4.3 In the case of successful BIDDER a clause would also be incorporated in the Article pertaining to Performance Bond in the Purchase Contract that the Provisions of Sanctions for Violation shall be applicable for forfeiture of Performance Bond in case of a decision by the BUYER to forfeit the same without assigning any reason for imposing sanction for violation of this pact.
- 4.4 No interest shall be payable by the BUYER to the BIDDER(s) on Earnest Money/Security Deposit for the period of its currency.
- 4.5 Confirmation through SFMS Mode (directly from bank) is mandatory.

5. Sanctions for Violation

Any breach of the aforesaid provisions by the BIDDER or any one employed by him or acting on his behalf (whether with or without the knowledge of the BIDDER) shall entitle the BUYER to take all or any one of the following action, wherever required: -

- (i) To immediately call off the pre-contract negotiations without assigning any reason or giving any compensation to the BIDDER. However, the proceedings with the other BIDDER(s) would continue.
- (ii) The Earnest Money (in pre – contract stage and /or/ Security deposit/Performance Bond (after the contract is signed) shall stand forfeited either fully or partially, as decided by the BUYER and the BUYER shall not be required to assign any reason therefore.
- (iii) To immediately cancel the contract, if already signed without giving any compensation to the BIDDER.
- (iv) To recover all sums already paid by the BUYER, and in case of an Indian BIDDER with interest thereon at 2% higher than the prevailing Prime Lending Rate, while in case of a BIDDER from a country other than India with interest thereon at 2% higher than the LIBOR. If any outstanding payment is due by the BUYER to the BIDDER in connection with any other contract for any other stores, such outstanding payment could also be utilized to recover the aforesaid sum and interest.
- (v) To encash the advance bank guarantee and performance bond/warranty bond, if furnished by the BIDDER, in order to recover the payments, already made by the BUYER, along with interest,
- (vi) To cancel all or any other Contracts with the BIDDER. The BIDDER shall be liable to pay compensation for any loss or damage to the BUYER resulting from such cancellation/rescission and the BUYER shall be entitled to deduct the amount so payable from the money due to the BIDDER.
- (vii) To debar the BIDDER from participating in future bidding process of the Government of India for a minimum period of five years, which may be further extended at the discretion of the BUYER.
- (viii) To recover all sums paid in violation of this pact by the BIDDER(s) to any middleman or agent or broker with a view to securing the contract.
- (ix) In cases where irrevocable Letters of Credit have been received in respect of any contract signed by the BUYER with the BIDDER, the same shall not be opened.

(x) Forfeiture of Performance Bond in case of a decision by the BUYER to forfeit the same without assigning any reason for imposing sanction for violation of this Pact.

5.1 The BUYER will be entitled to take or any of the actions mentioned at para 5.1 (i) to (x) of the Pact also on the Commission by the BIDDER or any one employed by it or acting on its behalf (whether with or without the knowledge of the BIDDER), of an offence as defined in Chapter IX of the Indian Penal Code, 1860 or Prevention of Corruption Act 1988 or any other statute enacted for prevention of corruption.

5.2 The decision of the BUYER to the effect that a breach of the provisions of this Pact has been committed by the BIDDER shall be final and conclusive on the BIDDER. However, the BIDDER can approach the independent Monitors appointed for the purpose of the Pact.

6. **Fall Clause**

6.1 The Bidder undertakes that he has not supplied/is not supplying the similar systems or subsystems at a price lower than that offered in the present bid in respect of any other Defence/ Public Sector Undertakings/Public sector undertakings/Ministry of Defence and if it is found at any stage that the similar system or sub-system was supplied by the BIDDER to any other Defence Public Sector Undertakings/Public Sector Undertaking/Ministry of Defence at a lower price, then that very price, with due allowance for elapsed time, will be applicable to the present case and the difference in the cost would be refunded by the BIDDER to the BUYER, if the contract has already been concluded.

7. **Independent External Monitor(s)**

7.1 The task of the Monitor is to review independently and objectively, whether and to what extent the parties comply with the obligations under this Pact.

7.2 The Monitor shall not be subject to instructions by the representatives of the parties and performs their functions neutrally and independently.

7.3 Both the parties accept that the Monitors have the right to access all the documents relating to the project / procurement, including minutes of meetings.

7.4 As soon as the Monitor notices, or has reason to believe, a violation of this Pact, he will so inform the Authority designated by the I-HUB QTF, IISER Pune.

7.5 The BIDDER(s) accepts that the Monitor has the right to access without restriction to all project documentation of the BUYER including that provided by the BIDDER. The BIDDER will also grant the Monitor, upon his request and demonstration of a valid interest, unrestricted and unconditional access to his project documentation. The same is applicable to subcontractors. The Monitor shall be under contractual obligation to treat the information and documents of the BIDDER(s) / Contractor(s) / Subcontractor(s) with confidentiality.

7.6 The BUYER will provide to the Monitor sufficient information about all meetings among the parties related to the Project provided such meetings could have an impact on the contractual relations between the BUYER and the Contractor. The parties offer to the Monitor the option to participate in such meetings,

7.7 The Monitor will submit a written report to the Project Director of I-HUB QTF, IISER Pune within 8 to 10 weeks from the date of reference or intimation to him by the BUYER and BIDDER and should the occasion arise, submit proposals for correcting problematic situations.

8. **Facilitation of Investigation**

In case of any allegation of violation of any provisions of this Pact or payment of commission, the BUYER or its agencies shall be entitled to examine all the documents including the Books of Accounts of the BIDDER and the BIDDER shall provide necessary information and documents in English and shall extend all possible help for the purpose of such examination.

9. **Law and Place of Jurisdiction**

This Pact is subject to Indian Law. The place of performance and Jurisdiction is Pune.

10. **Other Legal Actions**

The actions stipulated in this Integrity Pact are without prejudice to any other legal action that may follow in accordance with the provisions of the extant law in force relating to any civil or criminal proceedings

11. Independent Monitor

The buyer will appoint independent monitors (hereinafter referred to as monitors) for this pact in consultation with the Central Vigilance Commission (Chief Vigilance Officer, IISER Pune)

12. Validity

12.1 The validity of this Integrity Pact shall be from date of its signing and extend up to number of years as per the warranty to the satisfaction of both the BIDDER and the BUYER, whichever is later.

12.2 Should one or several provisions of this Pact turn out to be invalid, the remainder of this Pact remains valid. In this case, the parties will strive to come to an agreement to their original intentions

13 The Parties hereby sign this Integrity Pact
at _____ on _____

BUYER

BIDDER

Name of the Officer
Designation
I-HUB QTF, IISER Pune

Witness

Witness

1. _____

1. _____

2 _____

2 _____

IMPORTANT NOTICE

TENDERERS RESPONDING TO THIS ENQUIRY SHALL BE DEEMED TO BE AGREEABLE TO THE TERMS AND CONDITIONS HEREIN CONTAINED. THESE TERMS AND CONDITIONS SHALL BE BINDING ON THE SUCCESSFUL TENDERER. CONDITIONAL TENDERS ARE LIABLE TO BE REJECTED. I-HUB QUANTUM TECHNOLOGY FOUNDATION, IISER PUNE WILL PROCESS THE TENDER AS PER IT'S STANDARD PROCEDURES. THE PROJECT DIRECTOR OF I-HUB QUANTUM TECHNOLOGY FOUNDATION RESERVES THE RIGHT TO REJECT ANY OR ALL OR PART OF TENDER WITHOUT ASSIGNING ANY REASON AND SHALL ALSO NOT BE BOUND TO ACCEPT THE LOWEST TENDER. I-HUB QUANTUM TECHNOLOGY FOUNDATION, IISER PUNE WOULD NOT BE UNDER ANY OBLIGATION TO GIVE ANY CLARIFICATIONS TO THE AGENCIES WHO'S BIDS ARE REJECTED.

I agree to all terms and conditions mentioned in the tender document of the Company.

Signature of the Tenderer

CHECKLIST FOR BIDDERS

BIDDERS to indicate whether following are enclosed/mentioned by striking out the non-relevant option.

Envelope-1 (Technical-Bid)				
(Following documents to be provided as single PDF file)				
Sr. No.	Content	File Type	Document Attached	Please Fill page nos for respective document
1	Scan copies of both Tender Fee (Rs. 1,180/-) and EMD (Rs. 15,00,000/-)	.PDF	(Yes /No)	
2	Format/Questionnaire for compliance as per Annexure-'A'	.PDF	(Yes /No)	
3	Format of compliance statement of specification as per Annexure-'B'	.PDF	(Yes /No)	
4	Scanned Copies of payment of EMD & Tender Fee or Bid Security Form as per Annexure-'C'. If registered with the National Small Industries Corporation, the registration number, purpose of registration and the validity period of registration and a copy of NISC/MSME registration wherever it is applicable.	.PDF	(Yes /No)	
5	Manufacturer's Authorization Form as per Annexure-'D'	.PDF	(Yes /No)	
6	Previous Supply Order Format as per Annexure-'E' with at least three previous P.O.	.PDF	(Yes /No)	
7	Bidder Information form as per Annexure-'F'	.PDF	(Yes /No)	
8	Blacklist certificate as per Annexure-'G'	.PDF	(Yes /No)	
9	Certificate By Bidder- DPIIT Registration as per Annexure-'I'	.PDF	(Yes /No)	
10	Local Content Declaration as per Annexure-'J'	.PDF	Class-I Class-II Non Local	
11	BID Security declaration as per Annexure-'K'	.PDF	(Yes /No)	
12	Fall Clause Statement as per Annexure-'L'	.PDF	(Yes /No)	
13	Pre-Contract Integrity Pact as per Annexure -'M' with official sign and seal of CEO.	.PDF	(Yes /No)	
14	Solvency Certificate for Rs. 3,00,00,000/- (not older than twelve months) issued by any Indian Nationalized/Scheduled Bank with which BIDDER holds the current account	.PDF	(Yes /No)	
15	Copy of GST/ PAN No. and TIN No. allotted by the concerned authorities	.PDF	(Yes /No)	
16	Un-Priced commercial bid with item details, terms & conditons, warranty, delivery period, etc.	.PDF	(Yes /No)	
17	Technical Complainece Sheet as per Chapter - 4	.PDF	(Yes /No)	
18	Technical literature/leaflets and complete specifications of quoted model(s) along with commercial terms and conditions.	.PDF	(Yes /No)	
19	Undertaking that the successful BIDDER agrees to give 3% Security Deposit and Performance Bank Guarantee	.PDF	(Yes /No)	
20	Tender Terms & Conditions Acceptance signed with official seal is attached	.PDF	(Yes /No)	
Envelope-2 (Financial-Bid)				
1	Price bid should be submitted in PDF and excel Format	.PDF, .XLSX	(Yes /No)	
2	Annual Maintenance Contract Annexure 'H'	.PDF	(Yes /No)	