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Date : 30-Jun-2025 12:56 PM

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Basic Details

Organisation Chain	Raman Research Institute Administration		
Tender Reference Number	NIT-PR-250117-OPCPA-25-26		
Tender ID	2025_11111_803530_1		
Tender Type	Open Tender	Form of contract	Supply
Tender Category	Goods	No. of Covers	2
Payment Mode	Offline	Is Multi Currency Allowed For BOQ	No
Is Multi Currency Allowed For Fee	No		

Payment Instruments

Offline	S.No	Instrument Type
	1	Bankers Cheque
	2	Demand Draft
	3	As Per Tender Document

Cover Details, No. Of Covers - 2

Cover No	Cover	Document Type	Description
1	Fee/PreQual/ Technical	.pdf	NIT-PR-250117-OPCPA-25-26-TECHNICAL BID
2	Finance	.xls	NIT-PR-250117-OPCPA-25-26-FINANCIAL BID

Tender Fee Details, [Total Fee in ₹ * - 0.00]

Tender Fee in ₹	0.00		
Fee Payable To	NA	Fee Payable At	NA
Tender Fee Exemption Allowed	NA		

EMD Fee Details

EMD Amount in ₹	30,00,000	EMD Exemption Allowed	Yes
EMD Fee Type	fixed	EMD Percentage	NA
EMD Payable To	THE ADMINISTRATIVE OFFICER	EMD Payable At	BENGALURU 560080

Work /Item(s)

Title	NIT-PR-250117-OPCPA-25-26				
Work Description	TENDER FOR CEP STABILIZED ULTRA-SHORT PULSED LASER OPTICAL PARAMETRIC CHIRPED PULSE AMPLIFIER SYSTEM OPCPA				
Pre Qualification Details	AS PER TENDER DOCUMENT				
Tender Value in ₹	9,97,00,000	Product Category	Laboratory and scientific equipment	Sub category	OPTICAL PARAMETRIC CHIRPED PULSE AMPLIFIER SYSTEM
Contract Type	Tender	Bid Validity(Days)	180	Period Of Work(Days)	120
Location	RAMAN RESEARCH INSTITUTE	Pincode	560080	Pre Bid Meeting Place	NA
Pre Bid Meeting Address	NA	Pre Bid Meeting Date	NA	Bid Opening Place	RAMAN RESEARCH INSTITUTE

Critical Dates

Publish Date	30-Jun-2025 01:00 PM	Bid Opening Date	22-Jul-2025 04:00 PM
Document Download / Sale Start Date	30-Jun-2025 01:00 PM	Document Download / Sale End Date	21-Jul-2025 02:00 PM
Clarification Start Date	30-Jun-2025 01:00 PM	Clarification End Date	17-Jul-2025 06:00 PM
Bid Submission Start Date	30-Jun-2025 01:00 PM	Bid Submission End Date	21-Jul-2025 02:00 PM

Tender Documents

NIT Document	S.No	Document Name	Description	Document Size (in KB)	
	1	Tendernotice_1.pdf	NIT-PR-250117-OPCPA-25-26-TENDER DOCUMENT		1080.87
Work Item Documents					
	S.No	Document Type	Document Name	Description	Document Size (in KB)
	1	Tender Documents	NIT-PR-250117-OPCPA-25-26.pdf	NIT-PR-250117-OPCPA-25-26-TENDER DOCUMENT	1080.87

Tender Inviting Authority

Name	THE ADMINISTRATIVE OFFICER,
Address	RAMAN RESEARCH INSTITUTE C V RAMAN AVENUE SADASHIVANAGAR BENGALURU - 560080

Tender Creator Details

Created By	M PREMA
Designation	PURCHASE ASST.
Created Date	30-Jun-2025 12:43 PM

रामन अनुसंधान संस्थान
RAMAN RESEARCH INSTITUTE
सी.वी. रामन अवेन्यू, सदाशिवनगर
C.V. Raman Avenue, Sadashivanagar
बेंगलूरु/ Bengaluru – 560080



सी इ पी स्टेबिलाइस्ड अल्ट्राशॉर्ट पल्सड लेज़र /ऑप्टिकल पैरामेट्रिक
चिरप्ड-पल्स एम्पलीफायर सिस्टम (वो पी सी ऐ) की आपूर्ति, स्थापना,
परीक्षण और कमीशनिंग के लिए निविदा

**Tender for Supply, Installation, Testing & Commissioning of
CEP stabilized ultrashort pulsed laser /Optical Parametric
Chirped-Pulse Amplifier System (OPCPA)**

REF No: NIT-PR-250117-2025-2026

निविदा प्रलेख

TENDER DOCUMENT

2025 – 2026

30.06.2025



Due date for submission of Bid: 21.07.2025 14.00 hrs.

The Raman Research Institute invites Sealed offline Tenders for **Supply, Installation, Testing & Commissioning of CEP stabilized ultrashort pulsed laser/Optical Parametric Chirped-Pulse Amplifier System (OPCPA)** directly from the manufacturers or their authorized agents, adhering to the specification, terms and conditions given below:

Part-A. Specification for the CEP Stabilized Ultrashort Pulsed Laser/ Optical Parametric Chirped-Pulse Amplifier (OPCPA) system as follows: -

1. Center Wavelength: 800 nm or 1030 nm
2. Pulse Duration: $< 25 \text{ fs}$ #¹
3. Pulse Energy: $> 700 \mu\text{J}$ #²
4. Repetition Rate: $\geq 1 \text{ kHz}$
5. Beam Quality: TEM_{00} , $M^2 < 1.3$ #³.
6. CEP Stability (Single Shot, 1 hour): $\leq 300 \text{ mrad}$ #⁴
7. Pulse-to-Pulse Energy Stability (1 min): $< 1.5\%$
8. Long-Term Power Stability (8 hrs): $< 1.5\%$
9. Pulse Contrast: $\geq 10^3$
10. Polarization: Linear
11. Electronically controlled two-pulse configuration #⁵

#¹ Even though the pulse duration mentioned here exceeds two optical cycles, customized solutions providing pulse durations of < 2 optical cycles are preferred without compromising the specification 11 in Part A.

If the pulse duration is ≥ 2 optical cycles, provide details of a hollow-core fiber or similar pulse compression system (specifications 4 to 9 in Part A.III should be satisfied with the solution provided) such that this could be added as an upgradable option.

#² The lower energy mentioned here ($\sim 700 \mu\text{J}$) is applicable for a repetition rate (specification 4 in part A) $\geq 4 \text{ kHz}$. Therefore, higher energies are preferred for systems with lower repetition rates. In addition, the pulse energy requirement mentioned here will vary depending on the customized solution and hence, the specification 3 of Part A should comply with any one of the three points below. (1) $\geq 2 \text{ mJ}$ for 25 fs, if the solution is based on a regenerative amplifier, (2) $\geq 700 \mu\text{J}$, with suitable upgradable options to $\sim 1 \text{ mJ}$ using an additional pump, if the solution is OPCPA based and the pulse duration is $\sim 10 \text{ fs}$ and (3) $\geq 1.2 \text{ mJ}$ for $\sim 6 \text{ fs}$ with upgradable options to add another fs laser system using the same master oscillator. It should be duly noted here that it should be possible to perform any/all upgradation requirements specified in the document without sending the instruments back to factory.

#³ XY beam profile ratios should be specified. It may be different for OPCPA systems and may be allowed for the tender

#⁴ CEP measurement (for example: F-2F interferometer) and control units (feedback loops and CEP controls) should be included



#⁵ A computer-controlled beam splitter/ a similar mechanism should be included such that a CEP stabilized beam with energy $\sim 700 \mu\text{J}$ is available in one of the two arms. This could be different for the OPCPA based solution and therefore a two-pulse option should be provided in the quotation/bid.

The system should be fully automated and computer controlled. A system satisfying the specifications described in Part A can be custom-tailored, based on any one of the three solutions mentioned below:

(1) An OPCPA (Optical Parametric Chirped Pulse Amplification) based system (See Part (A.I)), (2) a regenerative amplifier-based system (see Part A.II) or (3) a regenerative amplifier and hollow core fiber-based solution (see Part A.III).

The subsections: Part-A.I., Part-A.II., and Part-A.III. are the additional requirements to the specifications given in Part A depending on the solution.

Part-A. I: OPCPA system– pump specifications

1. Wavelength: $\sim 1030 \pm 10 \text{ nm}$
2. Pulse duration: $\leq 250 \text{ fs}$
3. Energy per pulse: $\geq 5 \text{ mJ}$
4. Rep Rate: $\geq 1 \text{ kHz}$
5. Beam Quality: TEM_{00} , $M^2 < 1.3$
6. Output pulse-to-pulse energy stability, 24 hours: $< 0.5 \%$
7. Long term power stability, minimum 100 h: $< 0.5 \%$
8. Contrast: $\geq 10^3$
9. Polarization: Linear
10. Oscillator included in the master pump should have the capability to add additional pumps for OPCPA upgradation as per the footnote of the point 3 in Part A.
11. Beam pickup for one of the pumps of OPCPA should be included. This is equivalent to the two beam/pulse mentioned in specification 11 of Part A.

Part-A. II: Regenerative Ti: Sapphire amplifier

1. The amplifier must be CEP-stabilized using high-speed feedback loops.
2. Active CEP measurement, control and stabilization modules must be included as part of the system.
3. A 40:60 (R:T) beam splitter should be provided so that R can be sent to HCF for the generation of $\geq 700 \mu\text{J}$ pulse with pulse duration less than 2 optical cycles.

Part-A.III: Hollow-Core Fiber (HCF) based < 2 optical cycles system

If the proposed laser system is based on Yb: KGW and hollow-core fiber post-compression based solution, the following is applicable with minor changes in the general specification of Part A. All other specifications remain the same.

1. Center Wavelength: 1030 nm



2. Pulse Duration: < 6 fs
3. Pulse Energy: > 700 μJ #⁶
4. The setup should include: Fiber holders, mounted-fiber, gas evacuation/supply tubing system, optics for input/output coupling, and beam folding.
5. Compact pulse compression setup should include dispersive elements and optical components. All components should be AR-coated.
6. Standard-mounted fiber with two additional spares.
7. Actuated beam pointing stabilisers.
8. Beam should propagate under vacuum, and include an f-to-2f interferometer for out of-loop CEP measurements, along with the optical setup, spectrograph, and data acquisition system.
9. Bundled optics should be included, on a negotiable term.

Part-B. Accessories

- Spectrometer, power/energy meters and heads.
- Temporal characterization units (amplitude and phase) should be included.
- Optical table (option should be provided to choose the thickness, height and length depending on the system) with rigid support legs (option should be provided to choose the height) for high table loads that do not need isolation, eliminates low frequency support resonance, interchangeable spacer bases allow different height configurations, high horizontal stability and adjustable leg height compensating for uneven floors.
- Laser goggles (8 nos) should be included for all the beams.

#6 This is the energy requirement in one of the arms and should comply with specification 11 in the Part A. If the energy is ≥ 1.2 mJ for ~ 6 fs, a 60:40 (R:T) or equivalent beam splitter should be included to split the beam for two arms. Also, this system should come with upgradable options to add another fs laser system using the same master oscillator for two beam experiments.

Part-C. Note

- Vendors are encouraged to propose customized or hybrid solutions (e.g., multi-vendor integration) to meet the specifications mentioned in Part A. Here, new technologies are also encouraged.

Part-D. Other important technical specifications to be included in the quotation

1. The total footprint should be mentioned in the quotation.
2. Compatible hollow core fiber suggestions, if the pulse duration is ≥ 2 optical cycles.
3. Power specifications and any other essential laboratory requirements (e.g., relative humidity, temperature stability, and cleanroom classification).
4. Estimated heat load generated by the system's electronics should be specified for proper thermal management planning.
5. Detailed factory acceptance data and measurement reports must be provided.



6. Cooling requirements must be stated; a water-to-air cooling mechanism is preferred.
7. Output beam height from the optical table surface should be clearly mentioned.
8. Lead time for delivery of the equipment(s)
9. Pre-Inspection Delivery (PID) should be provided on demand.
10. Onsite training for 3 or 4 people.
11. Supply, Installation, Testing and commissioning
 - **Supply:** All materials and equipment as per the provided specifications should be delivered within the agreed timeline. The items should be securely packaged and should come with a standard warranty.
 - **Installation:** Installation should be performed by qualified personnel onsite.
 - **Testing:** Post-installation testing should be carried out to meet the specifications provided in the agreement, which should be comparable to the factory test report sent along with the unit.
 - **Commissioning:** Upon successful testing, commissioning should include final adjustments, calibration, and operational handover, including necessary documentation and training.
12. Additional cost for softwares and accessories, if any, should be included.
13. Any spare parts requirement, specifically for Hollow-core fibers assembly should be included in the quote.
14. Provide quotations for the basic system and energy upgradation separately (include all the technical specifications mentioned above). Also, include any additional available options for stable and long-run operation of the system.
16. List of Institutions/Universities/Laboratories (National/ International) that has purchased similar systems with contact information.
17. Any additional relevant information about the system and the use of the system should be specified



GENERIC:

1. The Institute is eligible to issue Central Excise Duty Exemption Certificate or Customs Duty Concession Certificate. The Institute is not eligible to issue State Goods and Service Tax/ Central Goods and Service Tax Concession Certificate.
2. The Institute reserves the right to modify the technical specification or the required quantity at any time but within one week before the due date.
3. The Institute reserves the right to reject any or all of the bids received without assigning any reason. It also reserves the right to accept an offer other than the lowest.
4. The Institute reserves the right to postpone/extend the due date for submission of the bid without assigning any reason.
5. The Institute reserves the right to call potential suppliers for technical discussions and product demonstrations.
6. Any Technical clarification required towards submission of offer may please be mailed to purchase@rri.res.in
7. Installation, Commissioning, Testing, Training (if any - whichever is applicable as per scope of supply) is to be carried out by OEM / OEM Certified resource or OEM authorized Reseller.

ELIGIBILITY CRITERIA:

1. **Experience Criteria:** The Bidder or its OEM {themselves or through reseller(s)} should have regularly, manufactured and supplied same or similar Category Products to any Central / State Govt Organization / PSU / Public Listed Company for **3 years** before the bid opening date. A proof should be attached.
 - a. List of users world-wide should be provided.
 - b. Supply, Installation Certificate for similar equipment, along with PO/contract copy should be enclosed. Copies of relevant contracts to be submitted along with bid in support of having supplied some quantity during each of the year. In case of bunch bids, the primary product having highest value should meet this criterion.
2. **Manufacturer Authorization Form (MAF):** Bidder should be Original Equipment Manufacturer (OEM). In case of an authorized agent/partner/distributor service provider having direct purchase and support agreement with OEM and/or submitting the bid on behalf of OEM, should submit a valid MAF/Certificate from OEM/ or Original Service provider to that effect and the certificate submitted should be specific to this bid.
3. Details with contact information and telephone numbers for service support of the products should be provided. Escalation matrix with contact information and telephone numbers should also be provided.
4. The bidder must NOT be blacklisted by Central Government, State Government or any Organization in India. A certificate or undertaking to this effect must be submitted.
5. The bidder should NOT be under liquidation, court receivership or similar proceedings, should NOT be bankrupt. Bidder to upload undertaking to this effect with bid.



6. I) As per the Government of India, Ministry of Commerce and Industry and Department for Promotion of Industry and Internal Trade (Public Procurement Section) Order No. P-45021/2/2017-PP(BE-II)-Part(4) Vol. II dated: 19/07/2024 **'Class-I local supplier'/'Class-II local supplier' should provide a Local Content Certificate from the statutory auditor or cost auditor of the company giving the percentage of local content as per Annexure-IV.**
- a) The Bidder shall produce a certificate whether he/she belong to "Class – I' and 'Class – II supplier' and 'Non – Local suppliers' with percentage of local content.
- b) Class – I' and 'Class – II supplier' and Non – Local suppliers as classified under above mentioned Order are eligible to submit the offer. While finalizing the quotation, the instructions given in the above order shall prevail.
- II) As per the Government of India, Ministry of Finance and Department of Expenditure, Public Procurement Division – Office Memorandum No. F.No.6/18/2019-PPD dated 23.07.2020, the Institute reserves the right by order in writing, impose restrictions, including prior registration and/or screening, on procurement from bidders from a country or countries, or a class of countries, on grounds of Defense of India, or matters directly or indirectly related thereto including national security; no procurement shall be made in violation of such restrictions.

EVALUATION OF BIDS:

1. The bids should be complete in all respects and the details specified in this request should be adhered to and **submitted on or before bid end date 21-07-2025 2PM and Technical Bid will be opened on 22-07-2025 at 4PM.**
2. Bids should be valid for **180** days from bid end date or any extension to it.
3. The quoted price should include P&F and Freight Charges, Insurance, Loading & Unloading Charges etc.
4. The bids conforming to the eligibility criteria only will be considered for further evaluation.
5. The bids will be shortlisted on the basis of technical parameters, features, standards compliance of all materials and equipment used, etc.
6. For Technical evaluation, bidders have to ensure the availability of appropriate expert, along with every type of documentation from their organization for interacting with the Institute
7. The Financial Bids will be opened only of those technical bids found suitable and approved by our Technical Evaluation Committee.



Terms & Conditions:

1. The bid shall be divided into two parts:
 - I) The first part should be “Technical” Bid containing only detailed specifications for tendered: **Supply, Installation, Testing & Commissioning of CEP stabilized ultrashort pulsed laser/Optical Parametric Chirped-Pulse Amplifier System (OPCPA) and EMD for Rs. 30,00,000/-**. The details include:
 - a) Detailed literature including Data Sheets of quoted products.
 - b) Supporting Documents eligibility criteria such as MSME, OEM authorization letter, Experience certificate. etc
 - c) **The first part (Technical Bid) shall not contain any financial aspects of the offer.** It shall contain only a cross reference to the second part (Financial Bid).
 - II) The Second part (Financial Bid) shall contain detailed financial outlay with List of deliverables / Bill of materials / Bill of Quantities and services, unit price of items as in the technical bid (i.e., First Part) as per **Annexure II**.
2. Bidder should submit the **EMD of Rs. 30,00,000/- (Rupees Thirty Lakh only)** along with technical bid. Payment should be by way of DD / Banker’s cheque only, drawn in favour of **“The Administrative Officer, Raman Research Institute, Bengaluru”**. No other form of payment will be accepted. The Tenders without the EMD will be rejected.
3. The MSME Units/Enterprises claiming exemption of EMD should submit MSME UDYOG AADHAAR MEMORANDUM or registration certificate issued by District Industries Centre (DIC) / Khadi & Industries board (KVIB) / Coir board / National Small Industries Corporation (NSIC) / Directorate of Handicrafts and handlooms or any other body specified by Ministry of MSME. **The memorandum / certificate submitted should be for the scheduled items of this bid and shall be valid as on bid end date /extended due date of the bid.** However, MSME Unit/Enterprises must submit a duly signed **Bid Security Declaration as per Annexure - I** in lieu of EMD as per the Form of Bid-Security Declaration.
4. The successful Bidder’s EMD will be discharged upon the Bidder furnishing the Performance Security (Bank Guarantee), without any interest.
5. The refund of EMD for unsuccessful bidders will be made through Cheque or Electronic mode within a month after finalization of bid.
6. **The EMD may be forfeited:**
 - a) If a Bidder withdraws or amends or modifies or impairs or derogates their bid during the period of bid validity specified by the Bidder on the Bid form;

OR

 - b) In case of a successful Bidder, if the Bidder fails to furnish order acceptance or fails to sign the contract and/or fails to furnish Performance Bank Guarantee within 15 days from the date of issue of Contract/Order.
7. The successful bidder immediately after the award of the Contract shall prepare a detailed plan of Supply, Installation. Testing & Commissioning as proposed to be followed by placement of equipment, etc in consultation/ co-ordination with the end user.



8. **Performance Bank Guarantee (PBG):** On award of the work, the bidder shall provide **5%** (Five percent) of the order value in the form of a Bank Guarantee towards satisfactory performance after supply installation test and commissioning. The PBG should be valid throughout the warranty period of **One Year plus Six months** as claim period, from the date of installation, testing and commissioning. The said PBG shall be returned/refunded to the bidder after satisfactory completion of supply, installation, testing and commissioning of goods as well as warranty period and claim period as per the terms of the Contract. In case of failure to render the contracted service, either at the time of execution or during the warranty period or non-compliance of due performance of contract, the PBG will be forfeited.
9. The Bidder shall not assign the Contract in whole or part without obtaining the prior written consent of buyer. The Bidder shall not sub-contract the Contract in whole or part to any entity without obtaining the prior written consent of buyer and the Bidder shall, notwithstanding the consent and assignment/sub-contract, remain jointly and severally liable and responsible to buyer together with the assignee/ sub-contractor, for and in respect of the due performance of the Contract and the Bidder's obligations there under.
10. Without prejudice to Buyer's right to price adjustment by way of discount or any other right or remedy available to Buyer, Buyer may terminate the Contract or any part thereof by a written notice to the Bidder, if:
 - a) The Bidder fails to comply with any material term of the Contract.
 - b) The Bidder inform Buyer of its inability to deliver the Material(s) or any part thereof within the stipulated Delivery Period or such inability otherwise become apparent.
 - c) The Bidder fails to deliver the Material(s) or any part thereof within the stipulated Delivery Period and/or to replace/rectify any rejected or defective Material(s) promptly.
 - d) The Bidder becomes bankrupt or goes into liquidation.
 - e) The Bidder makes a general assignment for the benefit of creditors.
 - f) A receiver is appointed for any substantial property owned by the Bidder.
 - g) The Bidder has misrepresented to Buyer, acting on which misrepresentation buyer has placed the contract on the Bidder.
11. Delivery of goods should be made at our stores located on campus near Mekhri Circle, Bengaluru – 560 080, at suppliers cost and risk.
12. **Factory Test Certificates:**
Material test certificate should be sent along with the supply. The material will be checked by buyer's lab & the results of the lab will be the sole criteria for acceptance of the Item.
13. **Warranty: One Year Standard warranty from date the of installation, testing & commissioning.**
Any replacement of defective items during warranty period is the responsibility of the successful bidder. The expenditure involved like Freight Charges, Custom Duty, Insurance Charges, Clearance Charges etc., is to be borne by the successful bidder.



14. Defects, if any, during the warranty period are to be rectified free of charge by arranging free replacement wherever necessary. The Expenditure involved like Freight Charges, Custom Duty, Insurance Charges, Clearance Charges etc., is to be borne by the successful bidder.
15. In case the Equipment/System remains non-operational or performs below the desired level for more than One week after intimation of the fault in the Equipment/System then the Warranty period shall be extended for such downtime period for which the Equipment/System remained non-operational or performed below the desired level, without prejudice to any other terms and conditions of the Contract.
16. **Annual Maintenance Contract (AMC): To be quoted Separately**
Bidder / OEM has to give an undertaking that after expiry of standard (1 year) warranty period, that the vendor will provide **AMC Service for next 2 years** for the offered products at the rate not more than **3 % of contract price per annum**. Buyer reserves the right to enter into an AMC agreement (covering preventive maintenance and servicing) with the Successful Bidder / OEM after expiry of the standard Warranty period at the rate as mentioned above and the payment for the AMC charges would be made **Biannually in arrears** after rendering of the AMC Services of the relevant AMC period.
17. **Payment:** 100% Letter of Credit, 80% Payment after delivery and acceptance of the goods/ material/ ordered item and balance 20% after successful installation, testing and commissioning and submission of Performance Bank Guarantee for 5% as per **point no. 8**.
18. **Inspection:** Pre-dispatch inspection at Seller premises (Fee/Charges to be borne by the BUYER): Before dispatch, the goods will be inspected by Buyer / Consignee or their Authorized Representative or by Nominated External Inspection Agency (independently or jointly with Buyer or Consignee as decided by the Buyer) at Seller premises (or at designated place for inspection as declared / communicated by the seller) for compliance to the contract specifications. Fee/Charges taken by the External inspection Agency and any external laboratories testing charges shall be borne by the Buyer. For in-house testing, the Sellers will provide necessary facilities free of cost. Seller shall notify the Buyer through e-mail about readiness of goods for pre-dispatch inspection and Buyer will notify the Seller about the Authorized Representative/ Nominated External Inspection Agency and the date for testing. The goods would be dispatched to consignee only after clearance in pre-dispatch inspection. Consignee's right of rejection as per Global Terms and Conditions (GTC) in respect of the goods finally received at his location shall in no way be limited or waived by reason of the goods having previously been inspected, tested and passed by Buyer/ Consignee or its Nominated External Inspection Agency prior to the goods' shipment. While bidding, the sellers should take into account 7 days for inspection from the date of email offering the goods for inspection. Any delay in inspection beyond 7 days shall be on the part of the buyer and shall be regularized without Liquidated Damages.
19. **LD Clause:** Time is the essence of this supply, delivery period mentioned in the Contract should be strictly adhered to, otherwise LD clause will be applicable/enforced. All deliveries should be completed within the stipulated delivery time of the Contract due date. While the Institute reserves the right not to accept delivery in part or full, beyond the due date of delivery, liquidated damages at 0.5% per every week of delay to maximum of 10% will be levied. **Exceptions: Force Majeure**



20. Post-Sales Support:

The Equipment must be supported by service centre post sales manned by the principal Bidder's technical support Engineers. The post-sales support through this centre must be available 24 hours in a day, 7 days in a week and 365 days in a year, also it should be possible to contact the Principal bidder's support centre on a toll free number/ web mail. If Service Centre doesn't exist at the time of bidding, successful bidder / OEM shall have to establish one within 30 days of award of contract. Bidder/ OEM should provide the details of on-site support to be extended during the warranty period.

21. Successful bidder will have to ensure that adequate number of dedicated technical service personals / engineers are designated / deployed for attending to the Service Request in a time bound manner and for ensuring Timely Servicing / rectification of defects during warranty period, as per the contract indicated in the relevant clause of the bid.
22. All disputes, arbitration, if any, are subject to jurisdiction of courts in Bengaluru, Karnataka, India only.



FORM OF BID-SECURITY DECLARATION

[The Bidder should fill in this Form on their Letter Head in accordance with the instructions indicated]

To
The Administrative Officer,
Raman Research Institute,
C.V. Raman Avenue, Sadashivanagar,
Bengaluru – 560 080.

Ref: Tender Ref. No. **NIT-PR-250117-2025-2026 dated: 30.06.2025**

We, the undersigned declare that:

We know that the bid should be supported by a Bid Security Declaration in accordance with your conditions.

We hereby declare that the prices offered by us against RRI bid Document No **NIT-PR-250117-2025-2026 dated: 30.06.2025** for **Supply, Installation, Testing & Commissioning of CEP stabilized ultrashort pulsed laser /Optical Parametric Chirped-Pulse Amplifier System** will be firm for a period of 180 days or the date when the tenders are finalized, whichever is earlier.

We accept to automatically be suspended from being eligible for bidding in any contract in RRI for a period of 3 years from the date of opening of Bid, if we are in breach of our obligation(s) under the bid conditions, because we:

After having been notified of the acceptance of our bid by the Contracting Authority within the period of bid validity:

- 1) We failed or refused to furnish a Performance Security in accordance with the Condition of the Bid Document No. **NIT-PR-250117-2025-2026 dated: 30.06.2025.**

OR

- 2) We failed or refused to sign the contract.

We know that this Bid – Security Declaration will expire, if contract is not awarded to us, upon:

- 1) Your notification to us of the name of the successful bidder or
- 2) Twenty – eight days after the expiration of our Bid validity or any extension to it

Dated this __ day of _____

For and on behalf of M/s. _____

Address:

Signature Name

In the capacity of

seal/ stamp



Financial Bid Format

Sl. No	Particulars	Qty	Per Unit Rate	Amount
1.	Supply, Installation, Testing & Commissioning of CEP stabilized ultrashort pulsed laser/ Optical Parametric Chirped-Pulse Amplifier System (OPCPA)			
2.	Cost of the CEP -stabilized ultrashort pulse laser system based on A.I: OPCPA system/A.II: Regenerative Ti: Sapphire amplifier/A.III: Hollow – Core Fiber (HCF) based<2. Optional cycles system.			
3.	Cost of Accessories a. Power/Energy meters and heads b. Temporal characterization measurement units c. Optical Table d. Laser Goggles e. Spectrometer			
4.	Additional cost for Software and accessories, if any.			
5.	Cost of any spare parts, if any.			
6.	Other charges if, any.			
7.	AMC Charges for 2 Years			
	Sub Total			
	Total Amount (Rs.)			



FORMAT OF MAKE-IN-INDIA DECLARATION CERTIFICATE

(In compliance to the Public Procurement (Preference to Make-in-India) Order 2017 issued by Department of Promotion of Industry and Internal Trade (Public Procurement Section), Ministry of Commerce and Industry, Government of India, dated 16.06.2020, 04.03.2021 & 19.07.2024 (as amended)).

TO WHOMSOEVER IT MAY CONCERN

M/s.....certifies that the following component wise breakup indicated below is in line with the Make in India policy with respect to the value addition to the total price quoted by us against this GeM Bid No.....

M/s..... also solemnly declare that component wise breakup given below are true and correct and understand that “false declarations will be breach of Code of Integrity under Rule 175(1)(i)(h) of General Financial Rule (GFR) 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”.

M/s..... also solemnly declare and understand that incase the given “data does not meet the stipulated Local content requirement and the category of the supplier changes from Class 1 to Class 2/Non-Local or from Class 2 to Non-Local, a penalty up to 10% on the contract value may be imposed”.

Sl.No	Name of the item	Name of the Manufacturer	Country of Origin	% Value of the local cost	Locations(s) and address at which the Local value addition is made
1					
2					
3					
4					
5					
Total value (in%) to the total cost					

Note: Points to be noted while certifying the declaration:

- For item(s) sold by Bidder as Re-seller, OEM Certificate for country of origin is to be submitted.
- Supply of Re-packaged/Re-furnished/Re-branded “ IMPORTED” product should be treated as “Re-selling of Imported products” and must not be included while calculation of Local content.
- Services such as Transportation, Insurance, Installation, Commissioning, Training and after sale service support like AMC/CMC, etc. must not be included as Local content.
- All item(s) under PLI Scheme shall be treated as deemed Class II Local supplier for that item(s) unless they have minimum local content equal to or higher than that notified for class I Local supplier for that item.
- In case of procurement value in excess of Rs.10 Cr, the supplier shall required to provide a certificate from the statutory auditor or cost auditor of the company (in the case of companies) or from a practicing cost accountant or practicing charter accountant (in respect of Supplier other than companies) giving the percentage of Local content.

I/We hereby declare that all the details furnished above are true. If any information is found incorrect as per points mentioned above, than I agree to actions as per Rule of GFR mentioned above.

I/We hereby declare that all the details furnished above are true. If any information is found incorrect as per points mentioned above, than I agree to actions as per Rule of GFR mentioned above.

Date:

Place:

(Signature of authorized signatory of the Bidder/Supplier with stamp)

