

**Request for quote (RFQ) from domestic (India-based) manufacturers,
Indian OEM or its authorized Indian distributor**

Summary

1.	Tender Number	
2.	Tender Date	3 October 2023
3.	Item Description	Fiber-Based Delay Line Interferometer
4.	Tender Type	Two bid system : (a) Technical Bid (Part A) (b) Commercial Bid (Part B)
5.	Place of tender submission	Dr. Asha Bhardwaj Department of Instrumentation and Applied Physics, Indian Institute of Sciences, Bengaluru 560012
6.	Last Date & Time for submission of tender	3 rd November 2023 , 5:00 PM

To Whom It May Concern

This is a Request for Quote (RFQ) from domestic (India-based) manufacturers only for procurement of a Fiber coupled delay line interferometer (635 nm) as part of a limited tender for the Department of Instrumentation and Applied Physics (IAP) at Indian Institute of Science, Bangalore.

All interested vendors shall submit a response demonstrating their capabilities to produce the requested equipment to the primary point of contact listed below.

With respect to this tender, the rules laid out by the Government of India in order No. P45021/2/2017-pp-BE-II issued by the Public Procurement Section, Department or Promotion of Industry and Internal Trade, Ministry of Commerce, and Industry, dated 16th Sept 2020 will be followed. As per this order, the government has defined a 'Class-I local supplier' as "a supplier or service provider whose goods, services or work offered for procurement, have local content equal to or more than 50%". A 'Class-II local supplier' is "a supplier or service provider, whose goods, services or works offered for procurement, has local content more than 20% but less than 50%". Only Class-I and Class-II local suppliers are eligible to participate in this open domestic tender. Any "Non-local supplier" i.e., "a supplier or service provider, whose goods, services or works offered for procurement, has local content less than 20%" is ineligible to participate in this tender.

The deadline for submission of proposals is 3rd November 2023 by 5:00 PM. Proposals should arrive at the office of Dr. Asha Bhardwaj, Department of Instrumentation and Applied Physics, Indian Institute of Science, Bangalore, Karnataka 560012, India.

Direct all questions concerning the acquisition to Dr. Asha Bhardwaj at: asha@iisc.ac.in

General Terms and Conditions

1. Vendors will be required to submit a technical bid and a commercial bid in two separate sealed envelopes.
2. The technical bid should contain a compliance table with 4 columns in addition to the ones in the technical requirements table that has been included with this RFQ below. The compliance table should include all the items and be in the same order. The first column should describe your compliance in a "Yes" or "No" response. If "No" the second column should state, the extent of deviation. The "third" column should state the reasons for the deviation if any. The fourth column can be used to compare your tool with that of your competitors or provide details as requested in the technical requirements table below.
3. In the commercial bid, the price should be inclusive of all discounts.
4. The vendor should have qualified technical service personnel for the equipment based in India (preferably in Bangalore).
5. The covering letter should clearly state whether the vendor is a Class-I or Class-II local supplier. Failing this, the proposal will be automatically rejected.

6. The vendor must state the percentage of the local content and provide self-certification that the item offered meets the minimum local content requirement. They should also give details of the location(s) at which the local value addition is made.
7. The lead time for the delivery of the equipment should not be more than 3 months from the date of receipt of our purchase order. It should be clearly mentioned in the technical and commercial proposals.
8. All the quotations must be valid for at least 90 days at the time of submission.
9. List of customers and references: The Bidder should have supplied similar equipment in Central Universities, preferably in centrally Funded Technical Institutes (IITs, IISER, NIT) and IISc. Please provide the details and contact information.
10. The Bidder must not be blacklisted/banned/suspended or have a record of any service-related dispute with any organization in India or elsewhere. A declaration to this effect should be provided.
11. In the quote vendors are requested to provide itemized costs for all the associated accessories as options.
12. Please provide itemized quotes for the tool and any attachments/packages. Vendors are encouraged to quote for as many packages as their tool portfolio permits.
13. Please provide information regarding the annual maintenance contract (AMC) beyond the warranty period. Please itemize the year wise AMC as options.
14. Warranty terms, duration and additional warranty options are a must for all the components. Please specify the service plan like whether the local distributor will address the issue or the parent company.
15. Items in addition to those listed in the technical table that you would like to bring to the attention of the committee can be listed at the end of the compliance table.
16. Vendors are encouraged to highlight the advantages of their tools over comparable tools from the competitors.
17. If needed, a meeting for any technical clarifications can be scheduled with the undersigned by sending an email.
18. The Institute reserves the right to accept or reject any bid, or to annul the bidding process and reject all bids, at any time prior to the award of contract without thereby incurring any liability of the affected bidder or bidders.
19. After the award of purchase order, the vendor must provide an Order Acknowledgement within 30 days from the receipt of the Purchase Order.
20. GST/other taxes, levies, etc., should be indicated separately. The BIDDER should mention GST Registration and PAN in the tender document.

21. The bidder shall provide the lead time to delivery, installation, and made functional at IISc, Bangalore, from the date of receipt of the purchase order. The system should be delivered, installed, and made functional within 120 days from receipt of purchase order. The supply of the items will be considered as effected only on satisfactory installation and inspection of the system and the inspection of all the items and features/capabilities tested by the IISc, Bangalore. **For acceptance, the vendor must demonstrate the technical specifications mentioned in the tender.** After successful installation and inspection, the date of taking over of the entire system by the IISc, Bangalore, shall be taken as the start of the warranty period. **No partial shipment is allowed.** The bidder should also arrange for technical training for the local facility technologists and users.

22. The bidder should sign and submit the declarations mentioned as annexures 1-5 at the end of the document.

23. The Bidder should belong to either Class-1 or Class-2 suppliers distinguished by their “local content” as defined by recent edits to GFR. They should mention clearly which class they belong to in the cover letter. a) Class-1 supplier: Goods and services should have local content of equal to or more than 50%. b) Class-2 supplier: Goods and services should have local content of equal to or more than 20 % and less than 50%.

24. Quote should come only from Indian Original Equipment Manufacturer (OEM) or their Indian authorized distributor.

25. The quotations should be on FOR-IISc Bangalore basis in INR only.

26. Bidders offering imported products will fall under the category of non-local suppliers. They cannot claim themselves as Class-1 local suppliers/Class-2 local suppliers by claiming the services such as transportation, insurance, installation, commissioning, training, and other sales service support like AMC/CMC, etc., as local value addition.

27. Purchase preference as defined by the recent edits to GFR (within the “margin of purchase preference”) will be given to the Class-1 supplier.

28. MSMEs can seek an exemption to some qualification criteria. IISc follows GFR2017 for such details.

Technical requirements: Please note that the requirements and options listed below are only guidelines. It does not disbar bids that do not meet the criteria listed. Vendors are requested to quote for equipment that meets the criteria to the best extent possible and list deviations. Deviations

are NOT an automatic reason for disqualification. They will be discussed by the technical committee prior to making an informed decision.

Technical Specifications

Fiber-Based Delay Line Interferometer: The short wavelength delay-line interferometer working at 635 nm having delay line of 10 ns with tuning range upto 12 ns. The detailed specification requirements for a delay line interferometer are as below

Wavelength range (nm) 635 +/-5nm

IL (dB) < 7.0

IL uniformity (dB) 0.5-1.5

PDL (dB) 0.5-1.0

Extinction Ratio (dB) 10-20

FSR Range (GHz) 0.08 to infinite (Tuneable)

Phase Tuning mode U

Phase Tuning range (FSR) 1.5

Phase Tuning voltage (V) 80-100

Power consumption (W) 0.0005-0.0015

Optical Delay range (ps) 11000-13000

Relative accuracy (fs) 250-350

Unidirectional repeatability (fs) 25-35

Bidirectional repeatability (fs) 55-65

Chromatic dispersion (ps/nm) 0.5-1.5

Maximum input optical power (mW) 250-320

OTR (°C) 10/35 Storage T (°C) -10/40

IN connector FC/APC

OUT connectors FC/APC

IN fiber type 635±5 nm SMF

OUT fibers type 635±5 nm SMF

Phase tuning connector BNC

Coarse Tunability Piloted

Minimum incremental motion (fs) 60

Phase Tuning time constant (s) 0.00002

PMD (ps) 0.1

Chromatic dispersion (ps/nm) 0.5-1.5

ORL (dB) 35

Skew (ps) 1

Maximum input optical power (mW) 300

Controller RS232

Other requirements:

1. Supplier should agree to provide Performance test reports prior to dispatch of goods.
2. Compatible operating system(s) for the interface software should be specified. Suitable software drivers available should be specified.
3. Please include other options currently available which can be added on in the future.
4. The cost of shipping to IISc should be included.
5. List of acceptance tests for on-site (vendor) inspection and after installation at IISc.
6. A set of basic experiments for performing routine checks of acceptable operation with clear instructions to be provided.
7. The payment terms will be specified in the commercial proposal and is subject to negotiations (As per GFR no advance payment can be made to domestic vendors unless an equal amount of bank guarantee is provided).
8. Please provide details of the number of trained personnel in India, number in southern region or in Bangalore who can service the instrument.
9. Service credentials: The supplier should have at least five similar installations in India.
10. Customer list with contact details mandatory to prove your credential.
11. Authorisation letter from OEM manufacturer to be included.
12. Vendor must provide complete compliance statement against each technical point.

Annexure-1:

Details of the BidderThe bidder must provide the following mandatory information & attach supporting documents wherever mentioned:

Details of the Bidder

Sl. No	Items	Details
1.	Name of the Bidder	
2.	Nature of Bidder (Attach an attested copy of Certificate of Incorporation/ Partnership Deed)	
3.	Registration No/ Trade License, (attach attested copy)	
4.	Registered Office Address	
5.	Address for communication	
6.	Contact person- Name and Designation	
7.	Telephone No	
8.	Email ID	
9.	Website	
10.	PAN No. (attach copy)	
11.	GST No. (attach copy)	

Signature of the Bidder

Name

Designation, Seal

Date:

Annexure-2:

Declaration regarding experience

To,

The Chairperson,

Instrumentation and Applied Physics, Indian

Institute of Science,

Bangalore – 560012, India

Ref: Tender No: XXXXXXXXXX

Dated: XXXXX

Dear Sir/Madam

I've carefully reviewed the Terms & Conditions in the above-referred tender. I hereby declare that my company/firm has -----years of experience in building, supplying and installing interferometers.

(Signature of the Bidder)

Printed Name Designation,

Seal Date:

Annexure-3:

Declaration regarding track record

To,

The Chairperson,

Instrumentation and Applied Physics Indian
Institute of Science,

Bangalore – 560012, India

Ref: Tender No: XXXXXXXX Dated:
XXXXXX

Dear Sir/Madam,

I've carefully reviewed the Terms & Conditions in the above-referred tender. I hereby declare that my company/ firm is not currently debarred/blacklisted by any Government / Semi-Government organizations/institutions in India or abroad. I further certify that I'm a competent officer in my company/firm to make this declaration.

Or

I declare the following

Sl.No	Country in which the company is Debarred /blacklisted / case is Pending	Blacklisted/debarred by Government / Semi-Government/Organizations /Institutions	Reason	Since when and for how long
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(NOTE: In case the company/firm was blacklisted previously, please provide the details regarding the period for which the company/firm was blacklisted and the reason/s for the same).

Yours faithfully

(Signature of the Bidder)

Name

Designation, Seal

Date:

Annexure – 4:

Declaration for acceptance of terms and conditions

To,

The Chairperson,

Instrumentation and Applied Physics Indian

Institute of Science,

Bangalore – 560012, India

Ref: Tender No: XXXXXX Dated:
XXXX

Dear Sir/Madam,

I've carefully reviewed the Terms & Conditions mentioned in the above-referred tender document. I declare that all the provisions of this tender document are acceptable to my company. I further certify that I'm an authorized signatory of my company and am, therefore, competent to make this declaration.

Yours faithfully,

(Signature of the Bidder) Name

Designation, Seal

Date:

Annexure – 5:

Details of items quoted:

- a. Company Name
- b. Product Name
- c. Part / Catalogue number
- d. Product description / main features
- e. Detailed technical specifications
- f. Remarks

Instructions to bidders:

1. Bidder should provide technical specifications of the quoted product/s in detail.
2. Bidder should attach product brochures along with the technical bid.
3. Bidders should clearly indicate compliance or non-compliance with the technical specifications provided in the tender document.