

वैज्ञानिक तथा औद्योगिक अनुसंधान परिषद्
Council of Scientific & Industrial Research
राष्ट्रीय वांतरिक्ष प्रयोगशालाएं
National Aerospace Laboratories



CSIR - NAL Estd. 1959
ISO 9001 : 2015
Certified Organization

Tender No. NAL/PUR/ACD/456/19-Y

Date: 12-Dec-19

As Per Address List Enclosed

Dear Sirs,

CSIR- National Aerospace Laboratories (NAL), Bengaluru, India is one of the premier laboratories under Council of Scientific and Industrial Research (CSIR), an autonomous body under Department of Scientific and Industrial Research, Government of India, New Delhi. CSIR-NAL is a Science and Knowledge based Research, Development and Consulting Organization. It is internationally known for its excellence in Scientific Research in Aerospace Engineering.

The Director, CSIR-NAL invites Sealed quotation for procurement of the following item(s) for day to day research work.

Sl. No	Brief Description of items	Unit	Qty
1	Portable Handheld FBG Interrogator with built in Battery and Display. Please refer Annexure for detailed specification.	No	1
Single / Double Bid		Single	
Bid Security (EMD) (in INR)		Bid Security Declaration should be enclosed with quotation.	
Performance Security		10% of the purchase order value	

Note:

- Participation in this tender is by invitation only and is limited to the selected bidders. Unsolicited offers are liable to be ignored. However, bidders who desire to participate in such tenders in future may bring it to the notice of Procuring Entity and apply for registration.
- To get registered as an approved bidder with the procuring entity please refer our website www.nal.res.in and submit.

- The address for submission of bids and for obtaining further information:

Stores & Purchase Officer,
Purchase Section,
CSIR- National Aerospace Laboratories,
PB No.1779, HAL Airport Road, Kodihalli,
Bengaluru - 560 017, Karnataka, India.
Tel # : 080 25086040 / 6041,
Email : purchasek@nal.res.in

- Bids must be delivered to the above office at the date and time indicated below. In the event of the date specified for bid receipt and opening being declared as a closed holiday, the due date for submission of bid and opening of bid will be the following working day at the appointed time.





3. The Schedule for Submission of Quotation / Proforma Invoice is as follows: -

	Date	Time in hours (IST)	Venue
Submission of Bid	03-Jan-20	Up to 10.00 Hrs (IST)	Detailed as per Sr. No.1
Opening of Bid	03-Jan-20	11.00 Hrs (IST)	

4. Either the Indian Agent on behalf of the Foreign principal or the Foreign principal can bid directly in a tender but not both. However, the offer of the Indian Agent should also accompany the authorization letter from their principal. To maintain sanctity of tendering system, one Indian Agent cannot represent two different Foreign principals in one tender.

The Indian Agent of Foreign Bidders should be enlisted with DGS&D and relevant certificate should be submitted. Please refer our website www.nal.res.in for further information

5. Unsolicited / conditional / unsigned tenders (Quotations) **shall not** be considered. Quotations received after the due date and time **shall be summarily rejected**.

6. The bids would be opened in the presence of the bidders who choose to attend the bid opening. The representative should bring with them a letter of authority from the corresponding Bidder, without which, they shall not be permitted to attend the bid opening.

7. The bid prepared by the Bidder shall include the following: -

A	Warranty
B	Annual Maintenance Contract
C	Delivery Schedule
D	Delivery Term
E	Port of Destination
F	Final Destination

8. **For Tender terms and conditions, the prospective bidders are requested to refer to the Standard Tender Document available on NAL Internet (www.nal.res.in) under the icon Tender-Purchase before formulating and submitting their bids.**

9. The Bidder shall comply the terms and conditions of the tender, failing which, the offer shall be liable for rejection.

10. The Director, CSIR- National Aerospace Laboratories (NAL), Bengaluru, India reserves the right to accept any or all tenders either in part or in full or to split the order without assigning any reasons there for.

Thanking you,

Yours sincerely,

(Raman Kumar)
Section Officer (S&P)

Annexure

Item Name - Battery powered, Hand held FBG Interrogator with Built in Display

Sl. No.	Specification	Description
1	No. of channels	4 or more
2.	Fiber Sensor Type	Fiber Bragg Grating (FBG)
3.	Number of Gauges per Channel	8 or more
4.	Wavelength Range	1515-1585 nm (70nm or better)
5.	Sampling rate	10kHz or higher
6.	Measurement Resolution	≤ 0.28 pm
7.	Measurement Accuracy	± 1 pm or higher
8.	Optical Connectors	FC/APC
9.	Operating Temperature	-20°C to +55°C
10.	Weight	≤ 3 kg
11.	Power Supply	+3V / +5V DC External Power Adapter Rechargeable Batteries
12.	Rechargeable Battery	Lithium Ion
13.	Display	6" LCD Touchscreen or higher size
14.	Battery Life	Min 2 Hours Operation or more
15.	Software	Built in GUI software to control the operation like selecting the channel and sensor, graphical visualization in terms of wavelength vs. time, sensing parameter like strain vs. time or temperature vs. time etc. Table view of the center wavelength, provision to save the data ability to connect to laptop or computer for the data transfer are also required. Visualization of processed data like FFT is optional
16.	Warranty	1 year minimum



Tender No.: NAL/PUR/ACD/456/19-Y

BID-SECURING DECLARATION FORM

Date: _____

Bid No. _____

To (insert complete name and address of the purchaser)

I/We. The undersigned, declare that:

I/We understand that, according to your conditions, bids must be supported by a Bid Securing Declaration.

I/We accept that I/We may be disqualified from bidding for any contract with you for a period of one year from the date of notification if I am /We are in a breach of any obligation under the bid conditions, because I/We

(a)	have withdrawn/modified/amended, impairs or derogates from the tender, my/our Bid during the period of bid validity specified in the form of Bid; or
(b)	having been notified of the acceptance of our Bid by the purchaser during the period of bid validity
	(i) fail or reuse to execute the contract, if required, or
	(ii) fail or refuse to furnish the Performance Security, in accordance with the Instructions to Bidders.

I/We understand this Bid Securing Declaration shall cease to be valid if I am/we are not the successful Bidder, upon the earlier of (i) the receipt of your notification of the name of the successful Bidder; or (ii) thirty days after the expiration of the validity of my/our Bid.

Signed: (insert signature of person whose name and capacity are shown)
in the capacity of (insert legal capacity of person signing the Bid Securing Declaration).

Name: (insert complete name of person signing the Bid Securing Declaration)

Duly authorized to sign the bid for an on behalf of: (insert complete name of Bidder)

Dated on _____ day of _____ (insert date of signing)

Corporate Seal (where appropriate)

Note:

1. In case of a Joint Venture, the Bid Securing Declaration must be in the name of all partners to the Joint Venture that submits the bid.
2. Bid Security declaration must be signed in by the Proprietor/CEO/MD or equivalent level of Officer of the company.