

**Foundation for Innovation and Technology Transfer  
(FITT)**

REF: FT/05/296/2021  
Date: 6<sup>th</sup> September 2022

**Notice Inviting Quotation**

**Purchase of hydrophone and accessories**

**1. Hydrophone and Accessories (Qty required: 01)**

**Technical Specifications**

S. No.	Parameter	Minimum Specifications
<b>SIGNAL PERFORMANCE</b>		
1.	Signal Bandwidth ( $\pm 3$ dB)	10Hz – 4kHz
2.	Signal Bandwidth ( $\pm 6$ dB)	10Hz – 12kHz
3.	Sampling Rate	Programmable in 1 – 32kSps
4.	Sampling Resolution	16 or 24 bits
5.	Voltage Sensitivity	-160 dB re $\mu$ Pa
6.	Dynamic range, 1.0Hz BW	145 dB
7.	Dynamic Range Full Bandwidth	105 dB
<b>SOFTWARE/INTERFACE</b>		
8.	Communication Interface	Ethernet, RS-422
9.	Internal Data Storage	256 GB
10.	Software Support features	Data display in numerical and graphical formats, Hydrophone setup and status monitoring, Simultaneous data logging and streaming in near real-time
<b>POWER</b>		
11.	Power rating	Less than 4W
12.	Integrated Battery for stand-alone operation	8 Hours
<b>MECHANICAL</b>		
13.	Mass	Below 1Kg
14.	Dimensions	Should fit in dimensions of 300 mm x 60 mm x 60 mm
15.	Depth Rating	200 meters
<b>ACCESSORIES</b>		
16.	Cable for data retrieval and power supply	50 meters

**Terms & Conditions Details**

**Preparation of Bids:** The offer/bid should be submitted in two bid systems (i.e.) Technical bid and financial bid. The technical bid should consist of all technical details along with commercial terms and conditions. Financial bid should indicate item wise price for the items mentioned in the technical bid

**Opening of the tender:** The bid will be opened by a committee duly constituted for this purpose. The technical bid will be opened first and it will be examined by a technical committee (as per specification and requirement). The financial offer/bid will be opened only for the offer/bid which technically meets all requirements as per the specification.

**Acceptance/ Rejection of bids:** The Committee reserves the right to reject any or all offers without assigning any reason.

Warranty: Minimum one year.

**Two separate sealed envelopes to be submitted for technical and financial bid (clearly labelled as “technical bid” and “financial bid”) respectively.**

**Last date of submitting the bids will be 15<sup>th</sup> September 2022 before 5:00 pm to:**

**Prof. Arun Kumar  
Centre for Applied Research in Electronics (CARE)  
Indian Institute of Technology-Delhi  
Hauz Khas, New Delhi  
Delhi 110016**

**E-mail : [arunkm@care.iitd.ac.in](mailto:arunkm@care.iitd.ac.in)**

**Phone +91-11-26591109**

Please quote prices for supply of items to FITT-IITD Delhi, inclusive of all taxes.

Quote should be in INR and needs to be valid for at least three months.

Attach all the technical literature and a list of similar installations done in India.

If the quote is being submitted by a representative of the manufacturer, a valid agency-ship or dealership certificate authorizing the agent to quote on behalf of the manufacturers should be enclosed. The principal and the vendor, both, are not allowed to quote for the same product.

Complete set of manuals for the operation of the equipment should be given.

Please specify all your terms and conditions clearly, including delivery period which may not exceed 03 weeks.

Mode of payment for purchases in foreign currency are through irrevocable letter of credit, or through wire transfer on delivery. Only bank charges within India are payable by FITT, IIT Delhi, all bank charges outside India are the responsibility of the seller. For purchases in INR, payment is on delivery.