



Indian Institute of Technology Madras
I.I.T.P.O., MADRAS-600 036
DEPARTMENT OF CIVIL ENGINEERING

SPEED POST

Form for Inviting Quotations

Ref.No. CIE/BSMU/2019/Portable field Acoustic Doppler Velocimeter

Date: 07/01 /2019

DUE DATE: 21.01.2019

To

Dear Sirs,

Quotations are invited for the supply of a **"Portable field Acoustic Doppler Velocimeter (ADV) combined with Depth Sensor"** conforming to the specifications given in the enclosed list.

1. The quotation should be submitted under the two-bid system (i.e.) Technical Bid and Financial Bid in two separate envelopes should be enclosed in a single envelop sealed and superscribed on the envelope with the reference No. and due date, should be addressed to the **undersigned so as to reach on or before the due date stipulated above.**
2. The Quotations should be valid for (90) **Ninety days from the due date and the period of delivery** required should also be clearly indicated.
3. If the item is under DGS&D Rate contract No. and the price must be mentioned. It may also please be indicated whether the supply can be made direct to us at the Rate contract price (Please note that we are not Direct Demanding Officers). If so please send copy of the RC.
4. Relevant literature pertaining to the items quoted with full specifications (and drawing, if any) should be sent along with the Quotations, wherever applicable. Samples if called for, should be submitted free of charges, and collected back at the supplier's expenses.
5. Local Firms : Quotations should be for free delivery to this Institute. If Quotations for Ex-Godown delivery charges should be indicated separately.
6. Firms Outside Madras : Quotations should be for F.O.R. Madras. If F.O.R. consignor station, freight charges by passenger train / lorry transport must be indicated. If Ex-Godown, packing, forwarding and freight charges must be indicated.
7. The rate of sales / General Taxes and the percentage of such other taxes legally leviable and intended to be claimed should be distinctly shown along with the price quoted. Where this is not done, no claim for Sales / General Taxes will be admitted at any stage and on any ground whatsoever. The taxes leviable should take into consideration that we are entitled to have concessional Sales Tax applicable to non Government Educational Institutions run with no profit motive for which a concession. Sales Tax Certificate will be issued at the time of final settlement of the bill.
8. Goods should be supplied carriage paid and insured.
9. Goods shall not be supplied without an official supply order.
10. Payment : Every attempt will be made to make payment within 30 days from the date of receipt of bill / acceptance of goods, whichever is later

Details as per enclosed list.

Yours faithfully

B.S. Murty
(B.S. Murty)

- Note: (i) Quotation should be sent by SPEED POST only or to be delivered directly concerned
(ii) Firms are requested to submit the specifications of their product along with supporting technical Documentation/brochure instead of reproducing the specifications sent by us.

Technical Specifications for portable field Acoustic Doppler Velocimeter (ADV) combined with Depth Sensor

The above system should include a velocity sensor, depth sensor, wading rod, automated discharge calculating software and digital display with the following specifications:

Location of operation	Open water channels and storm-water drains
Velocity range	0 to 3 m/s
Velocity accuracy	99% or more
Velocity resolution	99.9% or more
Maximum depth of measurement	2 m
Depth resolution	0.01 m or less
Depth sensor accuracy	99% or more
Minimum water depth for velocity measurement	3 cm or less
Probe head dimensions	in the range of 6 x 3 x 3 inches
Weight of system	Less than 2 kg
Power supply	12V DC and Battery operated option
Battery Life	15 hours or more
Cable length	5 m or more (preferably 10 m)
Data transfer	Using USB
Data storage	10 GB or more
Operating Temperature	0 to 50 deg C
Warranty	1 year (preferably 2 years)

NOTE: The measurement medium may contain small amounts of sediment particles.

Project no.

B. Smunty
Jan. 4th 2019