



भारतीय समुद्री विश्वविद्यालय
INDIAN MARITIME UNIVERSITY
(A Central University, Government of India)
Established by an Act of the Parliament in 2008

Visakhapatnam Campus - Gandhigram - Visakhapatnam - 530005
Phone: 0891-2578360 Fax: 0891-2577754

IMUV/2024/2016-2017/01

April 01, 2016

To

Sir,

Sub. : Procurement of digital flow meter - reg.

Sealed quotations are invited for purchase of Digital Flow Meter. The design, operation & calibration of the flow measuring equipment shall comply with latest version of IEC standards or other International standards currently enforced. The equipment shall consist of a sensor with a display unit. The equipment shall be provided with automatic temperature compensation and shall be suitable for operation in the designated application under the specified climatic conditions.

2. The sensor shall be suitable for mounting in the open or within an enclosed tank, and shall comply with environmental protection to IP-67 as minimum. The Digital Flow Meter shall meet the technical requirements as mentioned in **Enclosure I**.

3. The quote should contain cost of instrument and spares and inclusive of delivery at Indian Maritime University, Visakhapatnam Campus in a sealed envelope. Taxes, packaging, forwarding freight charges, if any should be mentioned. Supply / Installation should be done within three weeks of the date of purchase order. Payments shall be made only after receipt of the equipment in good condition and installation and on verification by IMU officials. Printed conditions of the quotation shall not be binding upon us. The quotation should have a validity of a minimum of 60 days with complete technical details of the product. Warranty should be mentioned. The quotations should carry proper certifications like Authorization, Proprietary Certificate etc. Incomplete quotations shall be summarily rejected. The quotations are to be made on the letter head of the firm / company duly signed and sealed and submitted so as to reach The Director, Indian Maritime University, Visakhapatnam Campus, Gandhigram, Visakhapatnam-530005 on or before **21 April 2016**.

4. The Director, IMUV reserves the right for accepting and rejecting any quotations without assigning any reason thereof.

For and on behalf of
Indian Maritime University

(V V Shiv Kumar)
Head (Pers. & Trg.)

Encl.: as above

Head Quarters

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Indian Maritime University
Visakhapatnam Campus

Technical Specifications of digital flow meter

Service	Measurement of flow
Device	Contact type digital flow meter
Type of channel	Open – rectangular
Measurement of velocity	Single point
Enclosure material	Acrylic / Toughened Glass
Measuring range	0-4 m/s
Output	4-20 mA analog output proportional to velocity
Unit of display	Velocity - m/s
Programming Device	In-Built controller or Hand-held
Overall accuracy	+/- 1% of full scale with facility for range selection
Weather protection	IP-67 of IS 13947
Power	220 V AC, 50 Hz
Cables and accessories	All necessary cables and accessories required for full functioning of equipment
Calibration certificate	Required
Instrument mounting	
The instrument supporting structure should be portable such that measurements can be taken at multiple points across the whole test section.	