

**DEPARTMENT OF OCEAN ENGINEERING
INDIAN INSTITUTE OF TECHNOLOGY MADRAS
CHENNAI 600 036,INDIA**

Ref: OED/2017/011/Project/VSON

Date: 25th January 2018

FIELD INSTRUMENT FOR SURVEYING

Due date:

* Submission of technical and commercial proposal: On or before **15th February 2018 @3.00 pm.**

* Bid opening: **15th February 2018 @3.30 pm.**

1. Quotations are invited in duplicate for the item shown in enclosed list as Annexure 1.
2. The quotations must be submitted under two bid system indicating clearly technical bid and financial bid on the envelope. Both the bids should be enclosed in the single envelop in a sealed cover.
3. The Quotations duly sealed and super scribed on the envelope with the reference No. and due date, Should be addressed to the undersigned so as to reach him on or before the due date stipulated above.
4. The Quotations shall be valid for 180 days from the due date and the period of delivery, warranty terms etc. should also be clearly indicated. A minimum of one year warranty is required.
5. Brochure detailing technical specifications and performance, list of industrial and educational establishments where the items enquired have been supplied must be provided.
6. Compliancy certificate is to be provided indicating conformity to the technical specifications.
7. 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.
8. Relevant literature pertaining to the items quoted with full specifications (and drawing, if any) should be sent along with the Quotations, wherever applicable. Samples / machine/ equipment if called for should be submitted / demonstrated at free of charges, and collected back at the supplier's expenses.
9. Packing and delivery charges must be clearly indicated.
10. The rates of GST and 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 GST/General Taxes will be admitted at any stage and on any ground whatsoever.
11. IIT Madras is eligible for concessional GST. Relevant certificate will be issued. In case of Imports, the price should be quoted without custom duty. I.I.T. Madras is exempted from levy of IGST on Imports and eligible for concessional custom duty. In case of import supply, the price should be quoted on **EX-WORXS** and **CIP** basis indicating the mode of shipment.
12. Goods should be supplied carriage paid and insured.
13. Goods shall not be supplied without an official supply order.
14. 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.
15. Acceptance and Rejection:- I.I.T. Madras has the right to accept the whole or any part of the Tender or portion of the quantity offered or reject it in full without assigning any reason.

Yours faithfully,



Dr. V. SUNDAR
PROFESSOR
DEPT. OF OCEAN ENGINEERING
INDIAN INSTITUTE OF TECHNOLOGY MADRAS
CHENNAI - 600 036, INDIA.

Annexure-1

Ref.: O&D/2017/011/Project/VSON

CALL FOR PROPOSALS FOR MOTION SENSOR (Heave Sensor)

S.no	Typical Specifications	
1.	Heave: Range Accuracy Resolution	±10 m 5cm or 5% 0.01m
2.	Roll and Pitch: Angle Range Angle Accuracy Angle Resolution	±30° 0.02° RMS 0.001°
3.	Acceleration: Acceleration accuracy Cable Length	0.01 m/s ² RMS More than 20m
4.	Electrical: Voltage Input Power Requirements	09 to 36 V DC Less than 3 W
5.	Serial Ports: Serial RS 232 / 422 Ethernet Output Rate Logging Capacity	5 serial input / 3 serial out put 5 serial port 200 Hz 8 GB of 48H
6.	Environmental Specifications: Temperature Material Weight Height Depth Rating Enclosure protection Vibration	-5° C to +55° C Titanium Enclosure Less than 2.5 kg Less than 130 mm Upto 200 m IP-66 IEC 60945 / EN 60945 / 20 Hz to 2 kHz
7.	Input & Output Formats:	NMEA 0183, ASC II, Binary, TSS, incl. HDT, HDM, VBW or MRU Normal format, etc...
8.	Electromagnetic Compatibility: Compliance to EMCD, Immunity / Emission	IEC 60945/EN 60945 Min 2 Year Warranty
9.	Requirements:	Meets IHO special order requirements Annual Maintenance Cost (AMC) optional for 5 Years

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2. Prerequisite

The vendor has to submit proof of documents for similar **Motion Sensor** supply in India. In addition, the proof of documents for successful completion of at least two supply of same **Motion Sensor** should be submitted.

3. Payment terms

Please specify the payment terms. IIT Madras reserve the right to negotiate the terms of payment as acceptable to the purchase procedures prevalent from time to time.

4. Terms and conditions

Please quote the rate with the following details.

1. Quotation validity minimum 180 days.
2. Submission of Methodology, Delivery and commissioning periods.
Tax details.

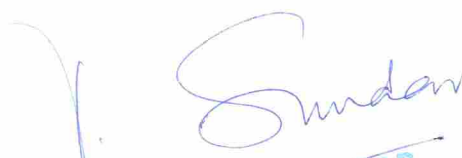
5. Force Majeure

Neither the Agency nor the owner shall be considered in default in performance of its obligations hereunder if such performance is prevented or delayed for any causes beyond the reasonable control of the party affected, such as war, hostilities, revolution, riots, civil commotion, epidemic, major fires, explosions, floods, earthquakes or because of any law, order, proclamatory regulations or ordinance of Government, provided notice in writing of such cause with necessary evidence that the obligation under the Contract is thereby affected or prevented or delayed, is given within 14 days from the happening of the event and in any case it is not possible to serve the notice within the said 14 days period, then within the shortest possible period without delay.

As soon as the cause of Force Majeure has been removed, the party whose ability to perform its obligation has been affected shall notify the other party the actual delay occurred on account of such activities.

Although the time for completion of work shall be suitably extended (not exceeding the period during which the work was stopped on account of Force Majeure clause), such extension shall not result in any financial claim by the Agency against the Owner on any account of such a delay for any other reason whatsoever.

- **Pre-bid meeting will be held on 7th February 2018 @ 3.00 pm**
- **Venue :Room No-305, 3rd Floor, Department of Ocean Engineering, IIT Madras.**


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