

राष्ट्रीय अंटार्कटिक एवं
समुद्री अनुसंधान केन्द्र
पृथ्वी विज्ञान मंत्रालय
भारत सरकार
हेड लैंड सडा, वास्को डा गामा
गोवा- ४०३ ८०४ भारत



**NATIONAL CENTRE FOR
ANTARCTIC & OCEAN RESEARCH**

Ministry of Earth Sciences
Government of India
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PROCUREMENT SECTION

FOREIGN ENQUIRY

M/s.

Ref. No.: SOCP-040

Date: 16.01.2017

Due Date: 13.02.2017

Dear Sir,

You are requested to send your offer for the following items as per the terms and conditions mentioned below.

SL. NO.	DESCRIPTION	Quantity
1.	WHS150EXT – WH Sentinel150 kHz SC ADCP (4 ABP), 2000m PS, 2GB Memory Transducer: 4 Beams at 20 deg, convex Temperature Sensor Pressure Case 1500m rated 5m Power Communications/Power Cables 48 VDC Convenience Power Supply Spares Kit, Software System Electronics: Chassis Electronic Boards, Flux Gate Compass, Pitch and roll sensors 2000m Pressure Sensor Extended Battery Pack WHMEM2GIG-2GB Memory Card A Comprehensive easy-to-use Windows Based Software package consisting of the following modules: 1. Planning/Consequences 2. Deployment/Initialization (Data Acquisition) 3. Data recovery 4. Memory Erase 5. Data Playback (Data display) 6. Data Listing (Export to ASCII format) 7. Auto testing and field compass Calibration (Specification as per annexure I)	As per annexure I

Your offer should contain the following information:

1. Submit your quotation on FOB basis.
2. Delivery Period:
3. Validity of quotation:
4. Quantity/Trade discounts, if any. :
5. Guarantee/Warranty of the product:
6. Taxes applicable (VAT if any):
7. Enclose brochure/leaflet – Specification:
8. **No advance payment** will be made. Payment by irrevocable letter of credit after supply and acceptance of the equipment by NCAOR. The payment will be authorized after submission of a Bank Guarantee for 10% value of the order towards warranty guarantee. The **performance Bank Guarantee** should be

- furnished within 15 days from the date of placement of order from a reputed bank (scheduled bank in India **or** foreign bank operating in India) valid till 60 days after the warranty period.
9. Overwriting and corrections should be attested properly. The quotation should be complete in all respects and should be duly signed. **Incomplete and unsigned quotation will not be considered at all. Quotation should be submitted as per NCAOR terms and conditions.**
 10. All relevant technical literature pertain to items quoted **with full specifications** (Drawing, if any), information about the products quoted, including brochures if any should accompany the quotation.
 11. A list of **reputed clients** to whom the firm has supplied similar items to be furnished along-with the quotation.
 12. Quotation should be **valid for a period of 90 days** and the period of delivery required should also be clearly indicated. If the supplier fails to deliver the goods within the time to be agreed upon, for delayed deliveries and for delays in installation (wherever applicable) NCAOR reserves the right to **levy liquidated damages** at the rate of 0.5% per week or part thereof upto maximum of 5%.
 13. Warranty shall commence from the date of installation and acceptance of the complete equipment supplied under the Purchase Order / Contract. The **warranty period** and the kind of **post-warranty support** should be indicated.
 14. Please **specify the Make/Brand** and Name of the Manufacturer with address, country of origin and currency in which rates are quoted.
 15. **FOB prices upto Indian port of entry** namely Goa should be indicated. However quotation should contain item-wise prices including total ex-works price and cost of packing forwarding, approx. cost of air-freight charges for delivery up to Goa, India.
 16. A technical Committee constituted by the Director will assess the product supplied/installed for their quality and their conformity to the specifications provided by the firm in their quotations. Any item(s) identified by the Committee to be not as per the specifications or are found to be of inferior quality will be rejected, and the bills towards the supply will not be processed for payment till proper replacements are provided.
 17. Suppliers should clearly define the mechanisms of **post-warranty** maintenance or support. Supplier should undertake to support the product for a minimum period of 5 years (post-warranty). Post Warranty, AMC charges for a period of 3 years (annual bases) should also be quoted separately in the quotation.
 18. Two sets of operational, service/troubleshooting manuals and diagrams to be supplied.

Please enclose documentary proof such as latest purchase order copies etc., to substantiate the reasonability of price.

Also confirm that the “the rates quoted by you are reasonable and lowest charged to any of your customer”.

Director, NCAOR reserves the right to reject any quotation received without assigning any reasons.

Yours faithfully

**Sd/-
Executive (Procurement)
For and on behalf of Director, NCAOR**

TENDER ACCEPTANCE UNDERTAKING

To

The Director,
NCAOR, Headland Sada,
Vasco – Goa.

Having examined the tender document for **SUPPLY OF ACOUSTIC DOPPLER CURRENT PROFILER**, we the undersigned hereby offer to supply the equipment in conformity with all specifications and conditions set out in the tender document.

We enclosed all the relevant documents as per the tender.

We understand that you are not bound to accept the lowest or any tender received.

Date :

(Signature of Bidder)

Name :

Designation :

Seal

SPECIFICATION FOR SUPPLY OF ACOUSTIC DOPPLER CURRENT PROFILER.

SL. NO.	Equipment	Specification	Deployment depth (m)
1.	ADCP WHS150EXT - WH Sentinel 150 KHz, SC ADCP (4 ABP), 2000m PS, 2GB Memory extended range applicable for deep sea mooring with ADCP buoy.	<ul style="list-style-type: none"> • Upward facing • Operational depth 200 m. • Resolution: 10-300 m • 150 kHz, Velocity accuracy $\pm 1\% \pm 5$ mm/s • Ping rate: 1 Hz • Echo intensity: user configurable vertical profile. • Deployment duration > 1 year • Battery: 4 pack configuration • Tilt compensation algorithm: Accuracy: $\pm 2^\circ$; Max. tilt $\pm 15^\circ$. • Sound-speed compensation, Fish contamination rejection, Correlation Threshold Screening. • Laptop/PC with Windows 7 or higher based user-interface, Data retrieval interval (1 minute- 60 minutes) • Temperature sensor mounted on transducer: -5 to 45°C; $\pm 0.4^\circ\text{C}$; 0.01°C resolution. • Conductivity sensor (optional) • Oxygen sensor (optional) • Turbidity sensor (optional) • Pressure sensor: up to 2000 m, 0.25% accuracy. • Mooring frame inline with buoy. • Memory: 2 PCMCA slots, 1 memory card included, total 4 GB or more capacity. • Maintenance kit with spare battery • User manual • Software for data processing/post processing • Easy upgradable paths: Pressure, Temperature, • Warranty of one year or more. 	200 m; 1 no.

TECHNICAL COMPLIANCE STATEMENT FOR ACOUSTIC DOPPLER CURRENT PROFILER.

Sr. No.	Description	COMPLIED/ NOT COMPLIED	EXTRA FEATURES
TECHNICAL COMPLIANCE FOR “ACOUSTIC DOPPLER CURRENT PROFILER”.			
1	• Upward facing		
2	• Operational depth 200 m.		
3	• Resolution: 10-300 m		
4	• 150 kHz, Velocity accuracy $\pm 1\% \pm 5$ mm/s		
5	• Ping rate: 1 Hz		
6	• Echo intensity: user configurable vertical profile.		
7	• Deployment duration > 1 year		
8	• Battery: 4 pack configuration		
9	• Tilt compensation algorithm: Accuracy: $\pm 2^\circ$; Max. tilt $\pm 15^\circ$.		
10	• Sound-speed compensation, Fish contamination rejection, Correlation Threshold Screening.		
11	• Laptop/PC with Windows 7 or higher based user-interface, Data retrieval interval (1 minute- 60 minutes)		
12	• Temperature sensor mounted on transducer: -5 to 45°C; $\pm 0.4^\circ\text{C}$; 0.01°C resolution.		
13	• Conductivity sensor (optional)		
14	• Oxygen sensor (optional)		
15	• Turbidity sensor (optional)		
16	• Pressure sensor: up to 2000 m, 0.25% accuracy.		
17	• Mooring frame inline with buoy.		
18	• Memory: 2 PCMCIA slots, 1 memory card included, total 4 GB or more capacity.		
19	• Maintenance kit with spare battery		
20	• User manual		
21	• Software for data processing/post processing		
22	• Easy upgradable paths: Pressure, Temperature,		
23	• Warranty of one year or more		

Signature with seal