

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
Headland Sada, Vasco da Gama
Goa - 403 804 - INDIA

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PROCUREMENT SECTION

FOREIGN ENQUIRY

M/s.

Ref. No.:

SOCP - 044

Date:

17.01.2017

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.	<p>Temperature, Salinity and pressure sensor SBE 37-IMP-ODO model-Conductivity, Temperature & pressure Recorder with Integrated SBE 63 Optical Dissolved Oxygen sensor; With Serial interface, Internal Memory, Internal Pump, Inductive Modem, Includes mooring clamp, 8 MB Flash memory, external power input capability (power plus serial on connector), lithium battery (non-hazardous), Seasoft software, and complete documentation, Accessories and spares and Five years Warranty. Polar deployment conditions.</p> <ul style="list-style-type: none">• Temperature Sensor: Accuracy +/- 0.002°C; -5 to 35°C Range.• Conductivity Sensor: Accuracy +/- 0.0003 S/m, Range 0-70 S/m• Optical DO Sensor: 120% surface saturation in all waters; ± 3 µM/kg accuracy• Protective cage/frame• Pressure strain gauge sensor: ±0.1% for full range; upto 7000 m depth• Spare batteries• Yellow Top battery holders• AF24173 Anti-Foulant Devices• Spare data/power interface cable <p>Storm Shipping case for 6 sensors</p> <p>(Specifications as per Annexure-1)</p>	6

Your offer should contain the following information:

1. Submit your quotation on F.O.B 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 MICROCAT SENSORS, 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

Specifications of MicroCAT sensors required for sub-surface Southern Ocean Sediment Trap mooring:

Sr. No	Equipment	Specifications	Quantity
1.	SBE 37-IMP-ODO MicroCAT C-T-ODO (P) Recorder	<p>Conductivity (S/m): 0-7 range; ± 0.0003 accuracy; 0.0003/month stability; 0.00001 resolution</p> <p>Temperature ($^{\circ}$ C): -5 to 45 range; ± 0.002 accuracy; 0.0002/month stability; 0.0001 resolution</p> <p>Pressure Strain gauge (37IMP.x8000x): 7000 range; $\pm 0.1\%$ accuracy; $\pm 0.05\%$ /month stability; 0.002% resolution</p> <p>Optical Dissolved Oxygen sensor (37IMP.xx004): 120% surface saturation range, $\pm 3 \mu\text{mol/kg}$ accuracy, $< 1 \mu\text{mol/kg}/100,000$ samples drift, $0.2 \mu\text{mol/kg}$ resolution.</p> <p>Memory: 64 Mb non-volatile FLASH Memory; Real-Time Clock: 32,768 Hz; accurate to ± 1 minute/year</p> <p>Internal Batteries: Lithium batteries; Additional Power Supply/batteries for internal pump: 9-28 VDC</p> <p>Battery Holder</p> <p>Battery Endurance: For > 12 months including operation of all sensors and pump.</p> <p>Should include Inductive Modem and Mooring clamp for jacketed wire size 10 mm diameter</p> <p>Deployment period: > 12 months.</p> <p>Titanium housing material (37IMP.2x00x) for 7000 m depth rating. Mooring frame to protect the sensors.</p> <p>SOFTWARE: Windows 2000/XP or higher version software package, which includes programs for communication and data retrieval, real-time data acquisition and display, and data processing (filtering, aligning, averaging) and plotting of CTD and auxiliary sensor data and derived variables.</p> <p>Should also include tool kit for maintenance & complete user manual and any other essential accessories for inline mooring.</p> <p>Warranty: 5 years</p>	3 numbers
2	801542	<ul style="list-style-type: none"> • AF24173 Anti-Foulant Device Pair 	3 numbers
3	801863	<ul style="list-style-type: none"> • Spare Battery holder (yellow top) 	3 numbers
4	50441	<ul style="list-style-type: none"> • Spare Battery pack hit for lithium batteries 	2 packs
5	801836	<ul style="list-style-type: none"> • 37-IMP-ODO- Internal Data Cable 	3
6	37IMP-41	<ul style="list-style-type: none"> • Storm Shipping Case 	1

Technical Compliance statement for Supply of MicroCAT Sensors

Sr. No.	Description		COMPLIED/ NOT COMPLIED	EXTRA FEATURES
	Equipment	Specifications		
1	SBE 37-IMP-ODO MicroCAT C-T-ODO (P) Recorder	<p>Conductivity (S/m): 0-7 range; ±0.0003 accuracy; 0.0003/month stability; 0.00001 resolution Temperature (° C): -5 to 45 range; ±0.002 accuracy; 0.0002/month stability; 0.0001 resolution Pressure Strain gauge (37IMP.x8000x): 7000 range; ±0.1% accuracy; ±0.05% /month stability; 0.002% resolution Optical Dissolved Oxygen sensor (37IMP.xx004): 120% surface saturation range, ±3 µmol/kg accuracy, <1 µmol/kg/100,000 samples drift, 0.2µmol/kg resolution. Memory: 64 Mb non-volatile FLASH Memory; Real-Time Clock: 32,768 Hz; accurate to ±1 minute/year Internal Batteries: Lithium batteries; Additional Power Supply/batteries for internal pump: 9-28 VDC Battery Holder Battery Endurance: For > 12 months including operation of all sensors and pump. Should include Inductive Modem and Mooring clamp for jacketed wire size 10 mm diameter Deployment period: > 12 months.</p> <p>Titanium housing material (37IMP.2x00x) for 7000 m depth rating. Mooring frame to protect the sensors. SOFTWARE: Windows 2000/XP or higher version software package, which includes programs for communication and data retrieval, real-time data acquisition and display, and data processing (filtering, aligning, averaging) and plotting of CTD and auxiliary sensor data and derived variables. Should also include tool kit for maintenance & complete user manual and any other essential accessories for inline mooring. Warranty: 5 years</p>		
2	801542 801863 50441 801836 37IMP-41	<ul style="list-style-type: none"> • AF24173 Anti-Foulant Device Pair • Spare Battery holder (yellow top) • Spare Battery pack hit for lithium batteries • 37-IMP-ODO- Internal Data Cable • Storm Shipping Case 		

Signature with seal