

राष्ट्रीय अंटार्कटिक एवं
समुद्री अनुसंधान केन्द्र
पृथ्वी विज्ञान मंत्रालय
भारत सरकार)
हेड लैण्ड 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.:

AES-11383

Date:

07.10.2015

Due Date:

26.10.2015

Dear Sirs,

We require the following items for XXXV Indian Antarctic Expedition. Original equipment Manufacturers, Authorised dealers, distributors are requested to send your offer for the following items as per the terms and conditions mentioned below.

SL. NO.	ITEM DESCRIPTION	QUANTITY
01.	Consumables/Accessories/Spares for Drinking Water Treatment plant, Membrane bio reactor, Gray water accessories, Gray water accessories & Chemicals (As per Annexure-I)	(As per Annexure-I)

Your offer should contain the following information:

1. Submit your quotation on FOB/C.I.F basis.
2. Delivery Period: Please confirm the exact date of delivery.
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 material by NCAOR.
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 their of upto maximum of 5%.
13. Please **specify the Make/Brand** and Name of the Manufacturer with address, country of origin and currency in which rates are quoted.
14. Both **FOB and CIF 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.
15. 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.

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

NOTE: Please enclose a copy of valid certificate to substantiate as Authorized Dealer, Distributor, Agent, to consider your quotation.

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

**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 **Consumables/Accessories/Spares for Drinking Water Treatment plant**, we the undersigned hereby offer to supply the material 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 FOR CONSUMABLES/ACCESSORIES/SPARES FOR DRINKING WATER TREATMENT PLANT

Sr. No.	Part No.	Description Brand: DOW/ Filmtec	Quantity
1	Drinking Water Treatment Plant		
1.1	HR LE-4040	RO membrane elements (Dow-SW30 HR LE 4040)	3 Nos.

Sr. No.	Part No.	Description Brand: Phoenix Vessel technology ltd.,	Quantity
1	Drinking Water Treatment Plant		
1.2	ASME-X	4" End port pressure vessle (RO membrane module) Working pressure - 1000 psi, temp -7 to 45 deg c, pH range 3-10	3 Nos.

Sr. No.	Part No.	Description Brand: Inaqua	Quantity
1	Drinking Water Treatment Plant		
1.5	FC-FA 25205	RO Filter cartridges 5 microns	50 Nos.
1.6		pH & conductivity meter	1 No.

Sr. No.	Description Brand: Testo 200	Quantity
1	Drinking Water Treatment Plant	
1.7	RO cleaning powder low pH P303	20 kgs

Sr. No.	Description Brand: Clack corporation	Quantity
1	Drinking Water Treatment Plant	
1.12	Calcite hardener (A8021.01)	5 kgs

Sr. No.	Description Brand: WTW	Quantity
1	Drinking Water Treatment Plant	
1.13	Technical buffer pH 4, 7, 10 solution (1 each)	3 Nos
5	Chemicals	
5.6	Electrolyte KCL solution 3 (mol)	1 No

Sr. No.	Description Brand: ASV Stube	Quantity
1	Drinking Water Treatment Plant	
1.14	Thermoplastic centrifugal pump (RO intermediate transfer pump) SHB (Q=50 m ³ /hr, 2900 RPM, h= 40 M, operating temp max 80 deg c. power 7.5 kw)	1 No

Sr. No.	Description Brand: Puro	Quantity
1	Part No. Drinking Water Treatment Plant	
1.15	PUV 1S UV lamp 40 W	2 Nos

Sr. No.	Description Brand: END Armaturen & Co. KG	Quantity
1	Drinking Water Treatment Plant	
1.28	Needle valve for RO pressure control (AC) (Brass carbon steel stainless steel PN 100/pN 200)	2 Nos
1.29	Metal shut off valve with non return (Model 2238) D-15	4 Nos
1.30	Metal shut off valve with non return (Model 2238) D-20	4 Nos
1.31	Metal shut off valve with non return (Model 2238) D-25	4 Nos
1.32	Metal Non return valve Model 2239 D-15	4 Nos
1.33	Metal Non return valve Model 2239 D-20	4 Nos
1.34	Metal Non return valve Model 2239 D-25	4 Nos

Sr. No.	Description Brand: Mecon Gmbh	Quantity
1	Drinking Water Treatment Plant	
1.35	Level indicator for water reservoir Menkar KK81, design 1 with switch K18/A (3 Nos) with switch K18/B (1 no) for each level indicator	2 Nos

Sr. No.	Description Brand: GF	Quantity
1	Drinking Water Treatment Plant	
1.36	check valve DN25 PVC	4 Nos
1.37	check valve Dn32 PVC	4 Nos
1.38	check valve DN40 PVC	4 Nos

Sr. No.	Description Brand: END automation Gmbh & Co. Kg	Quantity
1	Drinking Water Treatment Plant	

1.39	Pressure guage MO 33 XXXX (0 to 10 Bar pressure SS material)	2 Nos
1.40	Pressure guage MO 33 XXXX (0 to 6 Bar pressure SS material)	2 Nos
2	Membrane Bio Reactor (MBR)	
2.12	3 way ball valve DN25 ZD (SS material PN 16/PN 40)	1 No
3	Gray Water Accessories	
3.2	solenoid valve MEMG2S (2/2 way solenoid valve servo assisted daiphragm sealing, SS material)	2 Nos

Sr. No.	Description Brand: Becker	Quantity
2	Part No. Membrane Bio Reactor (MBR)	
2.3	8404029000 blower filter strainer cartridge PATRONE C1132	2 Nos

Sr. No.	Description Brand: Aldec	Quantity
2	Membrane Bio Reactor (MBR)	
2.5	Oil/grease gun 61242035-01	1 No

Sr. No.	Description Brand: SKF	Quantity
2	Membrane Bio Reactor (MBR)	
2.6	Bearing grease	1 No

Sr. No.	Description Brand: Seepex	Quantity
2	Membrane Bio Reactor (MBR)	
2.8	flange DN 50 (suction casing -item500) 1173989-20	1 No
2.9	shaft for macerator (Drive Shaft item no. 102) 25/3, 1.0070 (st.70) metal parts 1.4301 (commission no 255171)	1 No

Sr. No.	Description Brand: BECKER GmbH	Quantity
2	Membrane Bio Reactor (MBR)	
2.13	Blower for waste water plant SV 5.250/2	1 No

Sr. No.	Description Brand: Hach Lange GmbH	Quantity
2	Membrane Bio Reactor (MBR)	
2.14	TS content measuring system SC 200 digital 2-channel controller	1 No
5	Chemicals	
5.3	Ammonia TNT 832NH3-N	5 Nos
5.4	Ammonium LCK303NH4-N	5 Nos
5.5	chemical oxygen demand (COD) LCK 314	5 Nos

Sr. No.	Description Brand: Endress+Hauser	Quantity
2	Membrane Bio Reactor (MBR)	
2.15	Pressure sensor (With Cap) Ser No. E60B1001052 Model-PMC131-A15F1D12	2 Nos
2.16	Pressure sensor (With Cap) Ser No. E60B0F01052 Model-PMC131-A15F1D14	2 Nos
2.17	Conductive point level Switch Ser. No.E601850103E FTW31-A1A2HAOA	2 Nos
2.18	Vibration level switch for liquid (With Cap) Model-FTL 260-0020	2 Nos
2.22	Water level sensor-Float Switch Sr No. E4066A01092 FTL20	2 Nos

Sr. No.	Description Brand: Block	Quantity
2	Membrane Bio Reactor (MBR)	
2.19	Switched Mode Power Supply Model-PVSE 400/24-10	1 No

Sr. No.	Description Brand: Mitsubishi	Quantity
2	Membrane Bio Reactor (MBR)	
2.20	Variable frequency drive Model-FR-D740-120-EC	1 No

Sr. No.	Description Brand: Kemper GmbH+ CO. KG	Quantity
2	Membrane Bio Reactor (MBR)	
2.21	Back flow preventer BA figure 360	1 No

Sr. No.	Description Brand: Jager	Quantity
3	Gray Water Accessories	
3.1	Gray water filter inlet, AF.4 (XO NMO 400 micron R (50 per box))	1 No

Sr. No.	Description Brand: J automation	Quantity
4	Grease trap	
4.1	automatic valve for Grease tray type J2, model-H20	2 Nos

Sr. No.	Description Brand: TOTAL MULTIS EP 2	Quantity
5	Chemicals	
5.7	multipurpose Grease	2 Nos