

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

Telefax NO.: +91 832 2525573

Email:warlu62@ncaor.gov.in

PROCUREMENT SECTION

FOREIGN ENQUIRY

M/s.

Ref. No.:

AES-11384

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.

| Sr. No | Description | Qty |
|---------------|--|---------------------|
| 01 | Accessories/Spares/Tools for Chemical Plants, Chemical lab, Fuel farm & Sea water intake accessories (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 thereof 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 **Accessories/Spares/ Tools for Chemical Plants, Chemical lab, Fuel farm & Sea water intake**, 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 ACCESSORIES/SPARES/ TOOLS FOR CHEMICAL PLANTS
CHEMICAL LAB, FUEL FARM & SEA WATER INTAKE ACCESSORIES**

| Sr. No | Description Brand: Seepex | Quantity |
|---------------|---|-----------------|
| 1. | Accessories/Spares/Tools for Chemical Plants | |
| 1.1 | Assembly mandrel MTD | 1 No |
| 1.2 | Drift | 1 No |
| 1.3 | Dismantling tool | 1No |
| 1.4 | Pressing tools PWZ | 1No |
| 1.5 | Mounting plate (MTP) | 1 No |

| Sr. No | Description Brand: Samrat | Quantity |
|---------------|---|-----------------|
| 1. | Accessories/Spares/Tools for Chemical Plants | |
| 1.6 | Bearing Puller | 1 No |

| Sr. No | Description Brand: Taparia | Quantity |
|---------------|---|-----------------|
| 1. | Accessories/Spares/Tools for Chemical Plants | |
| 1.7 | Spanner No from 6 to 43 (1 each) | 1 No |
| 1.8 | Rachets sets with No from 6 to 32 (1 each) | 1 No |
| 1.9 | Plyer Normal & Nose (1 each) | 1 No |
| 1.11 | Tester | 1 No |
| 1.13 | Spanner 13, 17, 24 no separtly (1 each) | 1 No |

| Sr. No | Description Brand: Box Tool kit GEDORE make | Quantity |
|---------------|--|-----------------|
| 1. | Accessories/Spares/Tools for Chemical Plants | |
| 1.10 | Tool kit (1 set) Rothewald, 122 pcs | 1 No |

| Sr. No | Description Brand: FLUKE | Quantity |
|---------------|---|-----------------|
| 1. | Accessories/Spares/Tools for Chemical Plants | |
| 1.12 | Multimeter | 1 No |

| Sr. No | Description Brand: HACH LANGE, united for water quality | Quantity |
|---------------|---|-----------------|
| 2. | Chemical Lab | |
| 2.1 | COD analyzer LT 200 (DBR200) Brand: HACH LANGE, united for water quality | 1 No |

| Sr. No | Description Brand: Kern | Quantity |
|---------------|--|-----------------|
| 2. | Chemical Lab | |
| 2.2 | Kern apparatus for TS measurement MLB 50-3 | 1 No |

| Sr. No | Description Brand: Grundfos | Quantity |
|---------------|--|-----------------|
| 3. | Sea water intake Accessories | |
| 3.1 | Submersible pump incl. Coupling with 50 m cable (SP3A-12N 400Y RP11/4" MS4000R 0,75KW) | 2 Nos |

| Sr. No | Description Brand: Wago | Quantity |
|---------------|---|-----------------|
| 3. | Sea water intake Accessories | |
| 3.2 | PLC/BACnet IP-Programmable Fieldbus Controller, 32-bit CPU, Multiasking, Type-750-830 | 1 No |
| 3.3 | 16 Ch relay Output Type-704-5044 | 1 No |
| 3.4 | Ribbon Cable 1.5m Type -706-3057 | 1 No |
| 3.5 | 16 Channel Digital Outputs Module Type-750-1500 | 1 No |
| 3.6 | 16 Channel Digital Inputs Module Type-750-1405 | 1 No |
| 3.7 | Power Supply Module-24VDCType-750-1605 | 2 Nos |
| 3.8 | 4-ch Analog input Module (4-20 mA) Type-750-455 | 1 No |
| 3.9 | 4-ch Analog input Module (0-10V) Type-750-459 | 1 No |
| 3.10 | 2-ch Pt1000, RTD Type-750-461 | 1 No |
| 3.11 | 4-ch Analog Output Module (0-10V) Type-750-559 | 1 No |
| 3.12 | End module Type-750-600 | 1 No |
| 3.13 | WP104 Perspecto Touch Display Type-762-1104 | 1 No |
| 3.14 | Wago USB Prog. Cable Type-750-923 | 1 No |

| Sr. No | Description Brand: Westermo | Quantity |
|---------------|--|-----------------|
| 3. | Sea water intake Accessories | |
| 3.15 | Fiber Switch Type-SDW-532-2 | 2 Nos |
| 3.16 | Ethernet Switch Type-SDW-550 | 2 Nos |

| Sr. No | Description Brand: ABB | Quantity |
|---------------|---|-----------------|
| 3. | Sea water intake Accessories | |
| 3.17 | Machinery drive, ACS355 (VFD) ACS355-03E-02A4-4 | 3 Nos |
| 3.22 | THERMAL OVERLOAD RELAY 1.70-2.30A TF42-2.3 1.70-2.30A | 3 Nos |
| 4 | Fuel farm accessories | |
| 4.5 | MOTOR ABB Motor EExde IIB T4, IP55, 5, 5kW | 1 No |

| Sr. No | Description Brand: Phoenix Contact | Quantity |
|---------------|--|-----------------|
| 3. | Sea water intake Accessories | |
| 3.18 | Quint DC/DC Converter 24V quint-ps/24VDC/24VDC/5 | 1 No |
| 3.19 | DIN rail Power Supply Unit 24VDC/10A, 3-Phase QUINT-PS/3AC/24DC/10 | 2 Nos |
| 3.20 | DIN rail Power Supply Unit 24VDC/10A, 1-Phase QUINT- | 2 Nos |

| | | |
|-----------|---|-------|
| | PS/1AC/24DC/10 | |
| 3.21 | MCR Current Measuring Transducer MCR-S10-50-UI-DCI-NC | 2 Nos |
| 4. | Fuel Farm Accessories | |
| 4.6 | QUINT Power Supply QUINT-PS/3AC/24DC/20 | 3 Nos |
| 4.7 | Relay Part no-2961105 | 2 Nos |
| 4.8 | Industrial Ethernet Switch SWITCH SFNT 4TX/FX | 1 No |

| Sr. No | Description Brand: SALTEK | Quantity |
|---------------|--|-----------------|
| 3. | Sea water intake Accessories | |
| 3.23 | Over Voltage Protection 2-Pole SLP-385 V/2 S | 2 Nos |
| 3.24 | Over Voltage Protection 3-Pole SLP-275 V/2 S | 2 Nos |

| Sr. No | Description Brand: CARLO GAVAZZI | Quantity |
|---------------|---|-----------------|
| 3. | Sea water intake Accessories | |
| 3.25 | 1-Phase Monitoring Relay DUB02CT23 | 2 Nos |
| 3.26 | 3-Phase Monitoring Relay DPB01CM48 | 2 Nos |

| Sr. No | Description Brand: Tracetec | Quantity |
|---------------|---|-----------------|
| 3. | Sea water intake Accessories | |
| 3.27 | Trace heating cable 40 and 60 watt/meter (100 meters each) TTN-40-2-BOT | 2 Nos |

| Sr. No | Description Brand: Saia-burgess | Quantity |
|---------------|--|-----------------|
| 4. | Fuel Farm Accessories | |
| 4.1 | Saia®-Burgess HMI Display PCD7.D410VTCF | 1 No |
| 4.15 | Extension module 4I/O SLOTS WITH 24 VDC power supply | 1 No |
| 4.16 | 4 Ch Analog Output module | 1 No |
| 4.17 | 8 Ch Analog Input module | 1 No |
| 4.18 | 16 Ch Digital Output Module pulse & 4/20mA current Outputs | 1 No |

| Sr. No | Description Brand: DANFOSS | Quantity |
|---------------|--|-----------------|
| 4. | Fuel Farm Accessories | |
| 4.2 | Automation Drive(VFD)FC-302P5K5T5E20H1, 131H1956 | 2 Nos |

| Sr. No | Description Brand: TRAFAG | Quantity |
|---------------|---|-----------------|
| 4. | Fuel Farm Accessories | |
| 4.3 | TRAFAG EXP6 Pressure Switch Type:900.9177.853 | 1 No |

| Sr. No | Description Brand: AFRISO EURO-INDEX | Quantity |
|---------------|--|-----------------|
| 4. | Fuel Farm Accessories | |
| 4.4 | Vacuum type leak detector Eurovac 04-1 (LAZ-04/1), Z-65.22-4 | 1 No |

| Sr. No | Description Brand: OMRON | Quantity |
|---------------|---|-----------------|
| 4. | Fuel Farm Accessories | |
| 4.9 | Power Relay MY4IN 24 VDC | 2 Nos |

| Sr. No | Description Brand: SIEMENS | Quantity |
|---------------|--|-----------------|
| 4. | Fuel Farm Accessories | |
| 4.10 | Selectivity Modules SITOP PSE200U6EP1961-2BA11 | 2 Nos |

| Sr. No | Description Brand: PILZ Safe Automation | Quantity |
|---------------|--|-----------------|
| 4. | Fuel Farm Accessories | |
| 4.11 | PNOZ® Safety Relays PNOZ X2.8P | 2 Nos |

| Sr. No | Description Brand: ENDRESS+HAUSER | Quantity |
|---------------|--|-----------------|
| 4. | Fuel Farm Accessories | |
| 4.12 | Field indicator Ser No. D900 A1341FB RIA261-A11A/Type 4x | 1 No |

| Sr. No | Description Brand: STAHL | Quantity |
|---------------|--|-----------------|
| 4. | Fuel Farm Accessories | |
| 4.13 | Safety Switch Load and Motor Switchgear (Switch) 8537/2-702-7000 | 1 No |

| Sr. No | Description Brand: Saia PCD3 | Quantity |
|---------------|---|-----------------|
| 4. | Fuel Farm Accessories | |
| 4.14 | CPU basic module with Ethernet TCP/IP, 1 MByte of program memory PCD3.m5340 | 1 No |

| Sr. No | Description Brand: MTL | Quantity |
|---------------|---|-----------------|
| 4. | Fuel Farm Accessories | |
| 4.19 | PULSE ISOLATOR MTL5532 | 1 No |

| Sr. No | Description | Quantity |
|---------------|---|-----------------|
| 4. | Fuel Farm Accessories | |
| 4.20 | Nitogen gas bottle (50lbs, 200bar), (ADR:2.1A, UN:1066, EC:231-783-9) | 2 Nos |