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(PROCUREMENT SECTION)

Foreign Enquiry

Ref No:

AES -11266

M/s.

Date:

28.07.2014

Due Date:

19.08.2014

Dear Sir,

We require the following items for XXXIV Indian Antarctic Expedition. You are requested to send your offer for the following items as per the terms and conditions mentioned below.

Sr. No.	Item Description	Quantity
01.	Transportation and Storage Tanks 24000 Ltr Model:TC-2086 E 2.0 x 2350 x 24.0 (Specifications as per Annexure-I)	6 Nos.

**Your offer should contain the following information:**

1. Please submit your quotation on CIF basis upto IHC, Cape Town by Sea should be indicated. The quotation should contain item wise prices, including total Ex-works price and cost of packing, forwarding, insurance and Sea freight charges.
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.
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. Warranty shall commence from the date of installation and acceptance of the complete equipment supplied under the Purchase Order / Contract. The **warranty period** 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. 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.

**NOTE: Please enclose a copy of valid Authorized Dealership/Distributor Certificate obtained from OEM. Quotation received without valid authorization certificate will be rejected.**

**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**

**WEW Tank Containers**

Model TC 2086 E 3.0 \*2350\* 24.0  
 nominal capacity approx. 24000 liters,  
 frame 20' x 8' x 8'6" in welded headbeam design  
 tank material stainless steel 1.4301 or equiv., with double shell equipped for top discharge  
 approved for road, rail and sea transport and storage of **Jet ATF fuel, Jet A1 in accordance with data sheet provided by NCAOR, UN no.1863, packing group III**

**Calculation, Design, Inspection, Approval**

AD-Merkblätter  
 ADR, RID, IMDG T 4  
 ISO 1496/3 and UIC 592 where applicable  
 CSC  
 Customs  
 Lloyd's Register  
 WHG, VAWS, TRbf, BetrSichV

**Tank data**

nominal capacity	:	approx. 24000 Ltr
pressures		
test	:	3.0 bar
working	:	2.0 bar
external	:	0.21 bar
design temperature	:	-40 / +50 °C
diameter	:	2350 mm
length over the ends	:	approx. 5900 mm
minimum wall thicknesses		
shell	:	4.6mm
ends	:	5.0 mm
doubleshell	:	3.0mm
tare weight	:	approx. 4580 kg
max. gross	:	30480 kg
stacking	:	192000 kg
handling	:	in line with ISO 3874 where applicable

**2. Frame**

- |     |  |   |                |
|-----|--|---|----------------|
| 2.1 | length   | : | 20' = 6058 mm  |
|     | width  | : | 8' = 2438 mm   |
|     | height   | : | 8'6" = 2591 mm |
| 2.2 | 2 ISO headframes, material S355 / S235, J2H / J2G3 (carbon steel)  |   |                |
| 2.3 | 2 upper longitudinal members, 90 x 50 x 3.0<br>2 lower longitudinal members, 160 x 80 x 4.0<br>8 diagonals |   |                |
| 2.4 | 1 walkway longitudinal, aluminium safety grid with provision for later fitment of a handrail               |   |                |
| 2.5 | 1 ladder   |   |                |
| 2.6 | 1 document holder  |   |                |

**3. Tank**

- |     |   |  |  |
|-----|---|--|--|
| 3.1 | tank and double shell material stainless steel 1.4301 or equiv. |  |  |
| 3.2 | welding factor $\geq 0.8$                                       |  |  |

3.3 with sump

#### **4. Tank attachments**

4.1 2 internal stiffening ring, stainless steel 1.4301

4. 1 spillbox tank top, stainless steel 1.4301, with two hinged aluminium lids and stainless steel drainage tubes 1" on both sides, each drainage tube ending in a ball valve 1" and a short PVC tube  
side walls of the spillbox with venting slots  
lids of the spillbox made in antislip design (can be walked upon when open) and fitted for customs sealing

5.

#### **Tank openings/ connections**

5.1 double shell:

5.1.1 1 connection with manometer and vacuum pump for leakage detection

5.2 top:

5.2.1 1 manhole DN 500 with 6 screws

5.2.2 1 dipstick 70 - 100 %

5.2.3 1 spare connections DN 50, blind flanged

5.2.4 **1 safety relief valve DN 2 ½", pressure / vaccum**

5.2.5 1 connection DN 50, blind flanged, for later fitment of a filling level indicator

5.2.6 1 top discharge connection DN 100 with syphon tube DN 80, incl. holding bracket at tank bottom, butterfly valve DN 80, adapter and blind flange

5.2.7 1 pressure connection DN 50 with ball valve DN 50, exit with threaded connection 2" BSP and blind cap.

5.2.8 1 spare connection DN 1" with blind plug, for later fitment of an overfill protection

#### **6. Surfaces**

6.1 inside:

6.1.1 shell equiv. Finish **1D**  
ends from plates equiv. finish 1D  
welds cleaned  
circumferential seams ground flush at bottom, approx. 200 mm  
pickled and passivated

6.2 outside:

6.2.1 welds cleaned  
tank and frame blasted, primed and painted in a colour of your choice

#### **7. Marking / Lettering**

7.1 in line with code requirements, as far as possible combined on plates

7.2 NCAOR marking and tank numbering instructions to be provided