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(PROCUREMENT SECTION)

Foreign Enquiry

M/s.

Ref No:

AES - 11166

Date:

11.07.2013

Due Date:

29.07.2013

Dear Sir,

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

Sr. No	Description	Qty
1	<p>TRANSPORTATION FUEL TANKS Helifuel Tanks 2900 Ltr (Vertical) Brand : Sure Tanks Tank Numbers to be printed on Tank with NCAOR LOGO NCAR 3306001 NCAR 3306002 NCAR 3306003 NCAR 3306004</p> <p>Frame Dimensions: 1995mm x 1995mm x 2235 mm high. Capacity: 2900 litres \pm 2% M.G.W.: 4500 KG Tare: 1790 kg Max payload : 2710 kg Working Pressure: 1.77 Bar Test Pressure: 2.65 Bar External Pressure: 0.21 Bar Design Temp (Frame): -20°C to+ 50°C Design Temp (Vessel): -40°C to+ 50°C Vessel Material : 316 Stainless Steel Shell Thickness: 4mm nominal (Cold Rolled). Ends Thickness: 4mm minimum after forming (Hot Rolled). Frame Material: EN 10219 S275 J2H on primary structure, EN 10025 S355 J2G3 on padeyes EN 10219 S235 JR on secondary structure ISO corner castings on bottom four corners</p> <p>Frame to Shell: 304 stainless steel skirt Bolted design; 8 x M16 A4 (316 S/S) Bolts & all-metal nuts connecting skirt to frame.</p> <p>Padeyes: ϕ23 mm hole for 4.75 tonne shackle (Designed for 45 ° sling angle). Slings: 4-leg wire rope slings to DNV 2.7-1 (Designed for 45 ° Sling angle)</p> <p>Forklift Pockets: 2 off 310mm wide x 112mm deep in 8mm 304 SS, 1000mm between centres (Internal dimensions 294 mm wide x 104 mm deep) Vessel Design Code: ASME VIII Div 1 Radiography: Radiography on Vessel: Heads one piece; Shell spot (Two T Joints and One additional 400mm x-ray on Longitudinal Seam). MPI on frame as per DNV 2.7-1 & EN 12079 requirements.</p>	4 Nos

Inspection Agency: DNV

Test requirements: As per DNV 2.7-1/EN 12079 & IMDG Code:

Hydro & Leak test:	6 Unit(s).
4-point lift test:	2 Unit(s).
2-Point	N/A
Drop test:	N/A

Cargo carried : UN 1863- Helifuel (packing group II and III)

(The operator of the vessel must ensure that the commodity carried is listed under the applicable UN Portable Tank instruction and is in no way corrosive to 316/316L Stainless Steel)

Approvals: IMDG, ADR/RID, DNV 2.7-1, EN 12079, Built in accordance with CAP 437,

Approval Details:

Approval:	S-7195
Approved drawing:	ST-3500
Current Drawing:	ST-5990

Fittings and Accessories

1. Manlid: 1x 500mm-6 point fastening with TIR provision (Fort Vale part number: 73E/0500). (Includes swing-bolt with split-pin FV 496/9375)
2. Safety Relief Valve: 1 x 2 ½ "Fort Vale Super Maxi Highflow pressure vacuum relief valve c/w vent button and flame gauze, (Fort- Vale part number: 01B/13206). Set pressure 2.2 bar, Set vacuum 0.1 bar.
3. Inspection Hatch: 1 x 170mm 3 point fastening (Fort-Vale part number. 14I/3100125W)
4. Bottom Outlet: 1x 3" 90 Deg Bottom Outlet Assembly with 105mm self-sealing dry break coupling. (Fort Vale part number: 290/5375A.
5. Sample Valve: 1x1.5" Footvalve complete with extension pipe, ¾" ball valve, 90° bend and Cap (Fort Vale part number: 338/2960).
6. Dipstick: Stainless steel angle, calibrated and marked in 100 litre increments, housed inside inspection hatch, c/w manufacturer's tank number engraved. (Dipstick for Indication only, not an accurate form of metering).
7. Walkway/Grating: To adequately cover all exposed fittings and thereby prevent slings or chains snagging as per DNV 2.7-1. Made from mild steel galvanised grating. Fittings to be A4 316.
8. Top Lid: Made from mild steel galvanised grating in two halves. Designed to lie at approximately 60° in fully open position.
9. Level Gauge (Provision): Tanks to be fitted with dial type level gauge provision, c/w weld in pad (152.4mm OD, 95mm ID, 25mm thick 316 SS, FV 312/0804), blank pad (152.4mm OD, 15mm thick 316SS) and PTFE gasket (FV 5005-851), and guide rail connection brackets.
10. Ladder: Framework acts as a ladder.
11. Internal Finish: All welds as laid, no product traps. Chemically cleaned and passivated.
12. Frame Ext Finish: Frames shot blasted to Swedish standard SA 2 ½. Prime with 1 coat of zinc rich epoxy (Interzinc 52) to A NDFT of 50 microns. Intermediate coat with 1 coat Intercure 200 buff to 100 microns DFT finish with 1 topcoat of 2 pack polyurethane enamel (Interfine 691) to a NDFT of 50 microns. Overall NDFT of 200 microns
Top Coat – RAL1023 Yellow
Top of frame to be crosshatched.
H-section to be hot dipped galvanised.
13. Tank Ext Finish: Chemically cleaned and degreased; welds as laid.
14. Logos/Signwriting: MGW, Payload, Capacity, Tare and Tank Serial No. to be supplied and fitted. Jet-A1 stickers to be fitted (4 per tank). Flammable decal (250 x 250mm), supplied in doc box.
Customer Logo to be supplied and fitted.
15. Nameplates: To code requirements – 1 x Offshore and 1 x Sling Data plate fitted.
16. Earthing Point: 1 off Stainless Steel (skirt mounted).
17. Document Box: 1 off, in 2" 316 SS Tube (250mm Long), bolted to frame upright on left hand side of bottom outlet end, c/w rubber cap and 316SS chain. Mounted on the inside of the corner post at an angle of 45°, cap opening pointing vertically upwards. Hole in bottom for drainage and spill tray.
18. Gaskets: Manlid – Nitrile Rubber
P/V valve-Fortyt
Bottom Outlet Foot Valve and Sample valve-CNAF/PTFE envelope type
Threaded Connections – Loctite 577
19. 105 mm DRYTYT coupling hose unit 3" BSP connection.

Your offer should contain the following information:

1. Please submit your quotation on CIF basis upto IHC, Cape Town. The quotation should contain item wise prices, including total Ex-works price and cost of packing, forwarding, insurance.
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 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** 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.

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”.** Quotation should reach this office on or before 29/07/2013 at 17.30 hrs (IST).

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