

# **TECHNICAL SPECIFICATIONS**

# 1 TECHNICAL SPECIFICATIONS

*The bidder shall indicate whether the required specifications are met by them by marking (Yes) if it meets the requirements/comply and (No) if it is not, in front of each requirement/specification in the right-hand corner of each item. Variations and/or deviations from specification, if any, shall be illustrated clearly in detail. Complete technical specification details shall also provide together with following.*

## **Type-1: Hawser with tubular float**

- I. 150 ± 5 feet finished lengths, 15" (inch) circumference, 300 MT minimum breaking strength (wet) double braided Nylon marine hawser (Hawser Material - Nylon).
- II. Each end should be spliced and have galvanized cast SPM type K14 thimble of size 14/15".
- III. Rope around thimble should be protected with polyester tubular cloth.
- IV. Thimbles are encapsulated with Polyurethane anti chafe sleeves constructed from elastomer coated polyester cloth (nominal thickness 6mm) extend beyond 18" of each splice.
- V. Hawser length should be fitted with tubular floats (international orange colour) and both ends should have head stoppers.
- VI. Floats must commence from chafe protection of one end and ends at 25 feet from the thimble of the other end.
- VII. Float specifications and number of floats should be specified.

## **Type-2: Hawser with full body coated with polyurethane elastomer and lace on float**

- I. " 150 ± 5 feet finished lengths, 15" (inch) circumference, 300 MT minimum breaking strength (wet) double braided Nylon marine hawser (Hawser Material - Nylon).
- II. Each end should be spliced and have galvanized cast SPM type K14 thimble of size 14/15".
- III. Rope around thimble should be protected with polyester tubular cloth.
- IV. Thimbles are encapsulated with Polyurethane anti chafe sleeves constructed from elastomer coated polyester cloth (nominal thickness 6mm) extend to cover full body of the Hawser.

- V. Hawser length fitted with lace on floats adequate reserve buoyancy supporting it on sea water and full body of hawser covered with polyurethane elastomer coating.**

**Other Conditions**

- a)** Only the offers with double braided construction will be considered.
- b)** Warranty period and conditions shall be specified clearly on the offer.
- c)** Hawser manufacturing shall be in accordance with OCIMF 2000 standards.
- d)** Recent customer list shall be attached with the offer.
- e)** A recognized third-party inspection certificate from Lloyds, ABS, API, DNV, BV shall be sent for the approval of CPSTL prior to deliver the items.

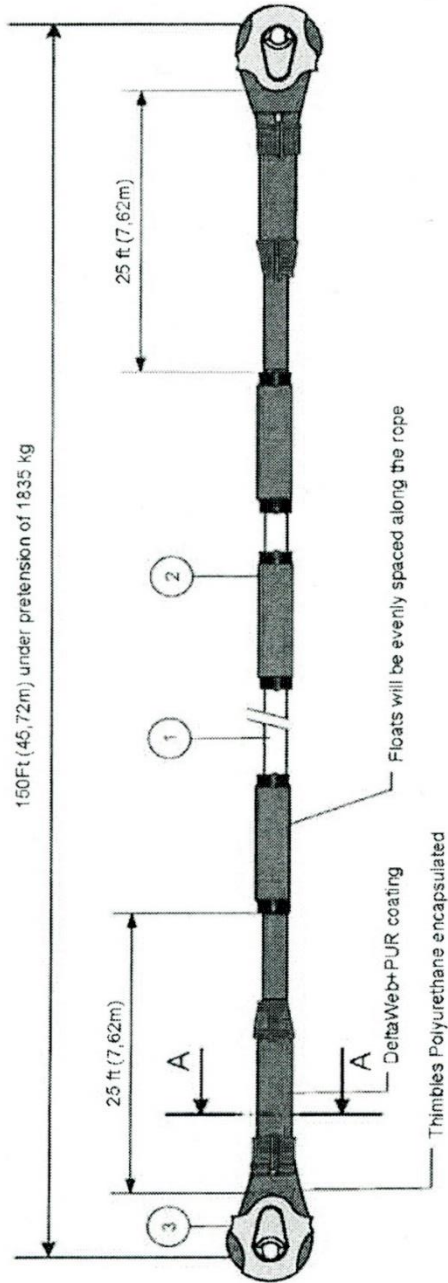
**Signature of the Bidder: ..... Date:.....**

**(Common Company Seal)**

# SAMPLE DRAWINGS

Type-1

## General Layout



Item 1: DB ROPE



### Notes:

Minimum breaking Load of rope (Dry) :389 Ton  
Minimum breaking Load of rope (Wet) :366Ton

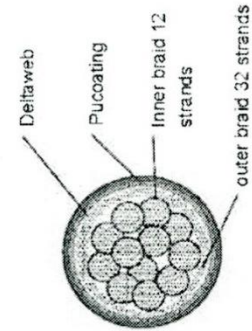
Finished 150 FT( 45,75 m )

Tolerance on length +/- 1 %

If matched pair, tolerance 0,5 % between the pair

Mooring Hawser manufactured and supplied in accordance with the OCIMF 2000" Guidelines for the purchasing & testing of SPM hawsers"

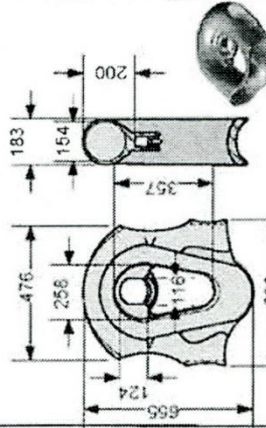
## Section A-A



Item 2: TUBULAR Float L1m



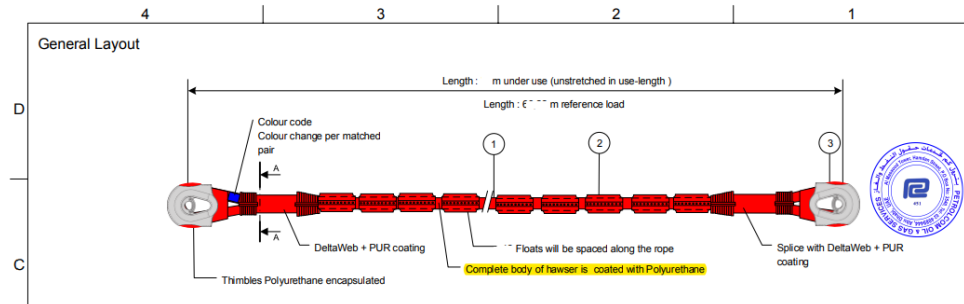
Item 3: Cast Thimble



Item	Qty	code	Description
3	2		Cast thimbles 14-15"
2	12		Tubular floats
1	1		DB SPM Hawser 15" circ - single leg
Scale	Not to scale		



## Type-2



- Hawser length fitted with lace on floats adequate reserve buoyancy supporting it on sea water and full body of hawser covered with polyurethane elastomer coating