

Acquisition of Second-Hand / Resale Anchor Handling, Towing and Supply Vessels (AHTSV) of minimum 80 T Bollard Pull with Fi-Fi Class-I

SCI intends to acquire second-hand/ resale AHTSVs of minimum 80 T Bollard Pull capacity. Vessels to be used for following activities:

- a) To carry out towing/anchor handling operations of Rig/SBM/drill ships in offshore.
- b) To carry men and materials from base to offshore installations and vice- versa, as well as inter offshore installations.
- c) To carry out standby and rescue operations in offshore, if required.
- d) To assist in exigencies arising in offshore.
- e) To carry out routine surveillance in offshore for safety and security reasons.
- f) Standby at SBM tankers in offshore.
- g) To assist in mooring daughter vessel to mother vessel and securing to SBM.
- h) To carry out any other fieldwork as desirable for such type of vessel and which can be performed within the vessel's natural capabilities and within safe parameters.

Vessel will be required to meet with following minimum requirements to be considered for acquisition:

Technical specification of AHTS 80T Bollard Pull – (FIFI) Category			
S. No.	PARAMETER	SCI Requirement	Actual Provided
1	Name of the vessel	--	
2	a) Call sign	--	
	b) official No	--	
	c) IMO no	--	
3	Hull no(for under construction vessels)	--	
4	Classification	ABS/BV/DNV/GL/ IRS/LRS/NK	
5	Draught [meters]	Maximum 5.95 M in S.W, when vessel is on even keel	
6	Clear Deck Area [sq. meters]	Minimum 300 sq. Meters	
7	Number of Main Engines	Minimum 2 [two] of reputed Make.	
8	Year of build of Main Engines	New at the time of installation onboard the Vessel	
9	Main Propulsion Number of propellers	Minimum 2 [two]	
10	Main Propeller Type	Shrouded CPP (Kort nozzle) or better	
11	Number of bow thrusters	Minimum 1 [one] Two (2) will be better	
12	Number of stern thrusters	Minimum one Azimuth or tunnel type OR Z-peller or Zip drive propeller system	
13	Number of generators	At least two independent generators (of reputed Make) other than main shaft generators.	

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		<p>There should be one shaft generator for each shaft line.</p> <p>One emergency Generator or Emergency Battery of Suitable capacity to be provided.</p> <p>Note: If the electric propulsion is provided then nos. of Generators to be 4 or 5.</p>	
14	Steering Gear Type	Hydraulic	
15	Number of rudders	Minimum 2 [two]	
16	Cruising speed [knots]	Minimum 12 knots	
17	Bollard pull [Max cont]	Maximum continuous BP not to be less than 80 Metric Ton. Vessels with even slightly less than 80 T Bollard Pull will not be considered.	
18	Winch Type	Double drum water fall hydraulic/electric (Reputed Make such as Rolls Royce/Norwinch etc.) or better	
19	Drum capacity	For a total length of wire not less than 850 meter, wire rope of min. 56 mm	
20	Work wire	<p>Total length of not less than 850 Meter of min. 56mm dia.</p> <p>One spare unit of wire rope bundle of same dia and same length must be on board and mounted on a hydraulically driven reel.</p>	
21	Winch stall capacity	Minimum 150 T	
22	Tow pins and shark jaws	Required	
23	Tugger winches	Required	
24	Capstans [on aft	Required	

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	deck]		
25	Cargo discharge pumps	i) At least one Fuel Oil pump of min capacity 50 m ³ /hr. at 70 M head.	
		ii) At least one Pot Water pump- min capacity 50 m ³ /hr at 70 M at head	
26	Navigation and Communication Equipment	Conforming to DG Shipping/IMO Guidelines. Vessel should have all communication and navigational equipments of reputed make.	
27	Accommodation for charterer's use	Suitable A.C. accommodation for five persons required in addition to the crew compliment.	
28	Sewage treatment plant	To comply with latest IMO requirements.	
29	Capacities		
A	Deck cargo	Minimum 500 Tons	
B	Deck Crane	One deck crane of 3 T SWL and sufficient outreach	
C	Fuel (m ³)	Min 300 KL	
D	Drill water (m ³)	Required, Indicate	
E	Pot water (m ³)	Minimum 200 Tones	
F	Liquid mud/Base oil/SOBM (m ³)	Required, Indicate	
G	Dry bulk (m ³)	Required, Indicate	
30	Dead weight	Minimum 1000 Tons at S.W. Draft	
31	4" Cam lock couplings	Required on all hoses with reducers of appropriate size	
32	Rigging Equipment		

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	To provide all tools necessary for handling of anchor handling and towing jobs	.	
33	FIFI	FI-FI Class-I required	
34	Dynamic Positioning (Reputed make such as Kongsberg/Rolls Royce/Converteam)	DP I system should maintain position with +/- 5 Metre in Sea State 3. DP-I is to be used as per requirement of field in FIFI & SAR mode. The DP system should have at least one DGPS as reference system. Two DGPS with signals for differential corrections from two independent sources will be considered as two reference systems	
35	Water makers	Capable of making minimum 10 T /day of water	
36	Search & Rescue (SAR)	The vessel should comply with requirement of SOLAS convention of 2001 for cargo ships as amended till date and UKOOA guidelines for “Standing by Duty” Offshore Installations (Group C), except instead of two numbers Fast Rescue crafts only one number FRC of capacity 9 persons in addition to the rescue boat (as per SOLAS Convention). FRC should meet UKOOA Guidelines for “Standing by Duty” for Offshore Installations arranged and maintained to be permanently ready for use under all weather conditions. The launching arrangement should be SOLAS approved.	

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		2. Vessel should have 1 No. Aero VHF of suitable frequency for communication with helicopters. Note: However, vessels with full UKOOA “C” compliance certified by class will be preferable.	
37	Breathing Apparatus	18 Nos for rescue operation for 15 minutes durations desired.	
38	Flow meter	Turbine type Fuel oil flow-meter duly calibrated (accuracy +/- 0.5 %) with printer output	
39	Fendering on sides	Adequate fendering to be provided.	

Note:

The above specification is prepared based on Conventional propulsion system. However, vessels fitted with Electric propulsion would also be considered.