



Tug Heera-1

Port of Registry	Chennai
Official Number	4820
Call Sign	VTMY
Official No.	4820
Year	20 Dec 1999
Notation	Hull Machinery Supply Vessel; Fire Fighting Ship 1 Water Spraying Unrestricted Navigation
Type	Towing Tug / Multi Purpose Tug/Tug
Class No.	I. R. No 18435
IMO No.	9217060
Hull No.	BY 30



Dimension Details

Length (OA)	32.09 M
Breadth (MLD)	10 M
Depth (MLD)	4.20 M
Draft (MLD)	3.20 M
GRT	372 MT
NRT	122 MT
Deadweight	221 MT

Performance

Maximum Speed	11 Knots
Economical Speed	8 Knots
Type of Fuel	Marine Gas Oil

Deck Equipment

Windlass	8 MT at 9m/min for 24 mm diameter chin
Bow Anchors	2 x 480 kg HHPA

Cargo Capacities

Deck Cargo	200 MT
Deck Strength	7.5 MT/m ²
Clear Deck Area	250 m ²
Fuel Oil	120 T
Fresh Water	90 m ³
Ballast/Drill Water	20 m ³
Foam	18 m ³

Propulsion System

Main Engine	2 x Caterpillar 3512DI @1740 BHP
Main Generator	3 x Graves @88 KW
Steering Gear	2 x 360 degree
Propulsion	2 x 4 bladed SRP SCHOTTEL
Rudders	2 x SRP SCHOTTEL

Tanks	
Fuel Oil	60 m ³ /hr @ 50 m/head
Fresh Water	60 m ³ /hr @ 50 m/head
Auxilliary System	
Oilv Water Separator	1 x 1 m ³ /hr
Seawage Storage Tank	1
Accommodations	
Berths	11 Ship crew
All cabins are fully air-conditioned	
Fire Fighting Equipment	
External	
FiFi	FiFi 1
Fire pump	2 x 1400 m ³ /hr at 12 bar
Fire monitor	2 x 1400 m ³ /hr at 12 bar
Internal	
Fire Detection System	All living spaces and engine room
Navigational / Communication	
GMDSS	A1 + A2 + A3
SSB	1 x FURUNO FS-2570C
GPS Navigator	1 x HAI YANG GP-80
SART	2 x MCMURDO RT9-3
Inmarsat C	1 x SAILOR FELCOM 15
VHF Radio	2 x ICOM FM-8500
Navlec Receiver	FURUNO NX-500
X-Band Radar	1 x FURUNO FR-2115 1 x FURUNO FR-1510 MARK-3
Echo Sounder	1 x FURUNO FE-700
Ais	1 x FURUNO FA-100
Satellite EPRIB	1 x MCMURDO E3

Towing and Anchor Handling Equipment	
Bollard Pull	47 MT
Tow/AH Winch	Single Drum Waterfall type 600 m x 52 mm wire rope (Towing)
Braking Capacity	120 MT
Life Saving Appliances	
Life Rafts	2 x 15 persons
Life Buoys	8 pcs with buoy lights
Life Jackets	18 pcs
Rescue boat	1 x 6 men (rigid) c/w 15 hp 1 x 6 men (inflatable) c/w 25 hp
Air breathing app.	1 Nos.
EEBD	2 Nos.