

# GREATSHIP AHALYA

## KCM/Q441(D) AHTS - 80 T BP, DP II, FIFI-1



Class Notation	ABS: +A1, Towing Vessel, Fire Fighting Vessel, Class 1(E), Offshore Support Vessel, +AMS, +ACCU, +DPS-2, GP
Place of build	Batam, Indonesia
Year of Build	June 2009
Flag	Indian
IMO	9443956

### Main Particulars

Design	KCM/Q441(D)
LOA	63 m
Length PP	55.80 m
Breadth Moulded	15 m
Depth Moulded	6.1 m
Max. Loaded Draft	5.2 m

### Performance

Trial Speed	13.5 knots
Bollard Pull	Minimum 80 tons

### Capacities

Deadweight	1600 tons
Net Tonnage	549 tons
Gross Tonnage	1830 tons
Deck Cargo	600 tons
Cargo Deck Dimensions	33 m x 12.15 m
Deck Area	400 m <sup>2</sup>
Deck Strength	7.5 t/ m <sup>2</sup>
Dry Bulk Capacities	170 m <sup>3</sup> in 4 Tanks
Potable/Fresh Water	450 m <sup>3</sup>
Drill Water / Ballast Water	420 m <sup>3</sup>
Oil based Mud	410 m <sup>3</sup> in 4 Tanks
Brine	same as liquid mud
Base Oil	Not available
Fuel Oil	600 m <sup>3</sup>
Methanol	Not available
Freezer Room	available
Cooler Room	available
Fresh Water Generator	10 tons/day

### Deck Equipment

Capstans	2 x 5 tons @ 0 ~ 15m/min.
Tugger Winches	2 x 10 tons @ 0 ~ 10m/min.
Deck Crane	1 x 3 tons, 15 m outreach

### Anchoring Equipment

Windlass	1 x Anchor / Mooring winch with two declutchable cable lifters and warping ends
----------	---

### Discharge

Dry Bulk	2 x 20 m <sup>3</sup> / min. at 5.6 bar
Fresh Water	1 x 125 m <sup>3</sup> / hr at 7.5 bar
Ballast / Drill water	1 x 125 m <sup>3</sup> / hr at 7.5 bar
Liquid Mud / Brine	2 x 100 m <sup>3</sup> / hr at 17.5 bar
Base Oil	Not available
Fuel Oil	1 x 125 m <sup>3</sup> / hr at 7.5 bar
Methanol	Not available

### Propulsion and Machinery

Main Engines : KW	2 x 2611KW (3500 BHP) Total 5211 kW (7000 BHP)
Main Engines : Type	MaK 8 M 25
Propellers	2 x CPP in kort nozzles

### Thruster

Bow 1	400 kW (6 tons), tunnel thruster
Bow 2	400 kW (6 tons), tunnel thruster
Stern 1	400 kW (6 tons), tunnel thruster
Stern 2	Not available

### Aux Engines

Shaft Generators	2 x 1200 kW (1280 kVA)
Diesel Generator	2 x 370 kW (463 kVA)
Emergency Generators	1 x 94 kW (117 kVA)
Supply System - Voltage	440 V, 60 Hz

### Accommodation

For Officers and Crew	18
1 Man Cabins	4
2 Man Cabin	4
3 Man Cabin	2
For Passengers	12
2 Man Cabin	2
4 Man Cabins	2
Hospital	1
Total Accommodation	30 Berths, fully Air-conditioned

### Towing and Anchor Handling Winch

AHT Winch	Double Drum waterfall type, RR Bratvaag
Line Pull	200 tons
Brake Holding	250 tons
Towing Drum	1000 m x 58 mm wire
Anchor Handling Drum	1000 m x 58 mm wire
Speed	0-8.0 m/min - 200 tons, 1st Layer 0-40 m/min - 30 tons
Shark Jaw	200 tons, Karmoy
Towing Pin	200 tons (side load)
Spare Wire Reel	1000 mm x 58 mm wire
Stern Roller	200 tons SWL. Length - 5.0 m

*The vessel specifications are subject to modifications and may change without prior notice.*

## Greatship (India) Limited

#101, Marathon Innova B2, Off Ganpatrao Kadam Marg, Lower Parel (West),  
Mumbai – 400 013, India. Phone: +91 (22) 2482 2000 Fax: +91 (22) 2492 4232  
E-mail: marketing@greatshipglobal.com