

5,350 DWT ICE CLASS (1A) HYBRID GENERAL CARGO VESSEL



Main Particulars



Length Overall	89,95 m
Length Between Perpendiculars	84,95 m
Breadth, Moulded	15,95 m
Height to upper deck	10,05 m
Designed Draught	5,60 m
Max Draught (in sea water)	6,10 m

Deadweight

At max draught	5,350 T
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Capacities

Cargo	5071 T
Marine Gas Oil	185 T
Urea	22 T
Lubrication Oil	5 T
Fresh Water	60 T
Ballast Water	0 T
Stores	5 T
Crew and effects	2 T

Classification: LR,  100 A1, Ice Class 1A FS, ShipRight (ACS(B)), Bottom Strengthened for Loading and Unloading Aground, *IWS,  LMC, UMS, ECO, BWTS, Hybrid Power, Desc. Note: ShipRight (IHM, SCM, SERS)

Tonnage

Gross Tonnage	4200
Net Tonnage	1335

Maximum Speed

12 knots

Main Engine

Type	1 (one) Water Cooled, Four Stroke
MCR	1800 kW x 750 RPM

Propulsion & Steering

CPP System	1 x Nozzle
	1 x Full Spade Rudder
	1 x Ram Type Steering Gear
	1 x Transverse Tunnel Bow Thruster, 300 kW

Ballast Water Treatment Unit

1 x UV light-based ballast water treatment unit
With capacity of 300 m³/h

Cargo Hold: Box Shaped with Vertical Sides

Hold Capacity	271500 cubic feet
Hold Dimensions	58 x 13.34 x 9.6 m

Hatch Covers & Crane

Covers	10 x Pontoon Hatch Covers
Crane	1 x 20 T SWL Crane

Power Supply

Main Diesel Generators	2 Sets x 350 eKW at 1500 RPM
Emergency Generator	1 Set x 145 eKW at 1500 RPM
Main Battery System	1 Set x 1000 kWh
Shaft Generator	1 Set x 450 eKW
Combined Frequency Drive with Three functions	

Navigation Equipment

1 - X-band type Radar	1 - AIS
1 - S-band type Radar	1 - ECDIS
1 - Auto Pilot / Gyro Compass	1 - GMDSS

Complement

9 Persons



CHOWGULE AND COMPANY PRIVATE LIMITED (SHIPBUILDING DIVISION)

NEAR BORIM BRIDGE, LOUTULIM, GOA - 403 718, INDIA

T: (+91-832) 2777 010-334 F: (+91-832) 285 8058

E-mail: cclsbd@chowgule.co.in, Website: <http://shipbuilding.chowgule.co.in>

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