

'MOKUL NORDIC'



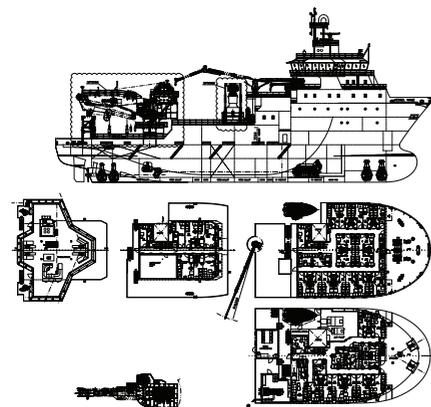
Tebma Shipyard delivers multi-purpose OSV to Singapore

India-based shipbuilder Tebma Shipyard has recently delivered the multi-purpose monohull OSV to Singapore-based marine services provider Nordic Maritime.

The 'Mokul Nordic' was launched from Tebma's covered shipyard facility in late 2013 and was handed over and put into service following an early 2014 delivery. The vessel measures 75.5 metres in length overall, with a breadth of 19.2 metres and a depth to the first deck of 7.6 metres.

Constructed under survey to DNV, the 'Mokul Nordic' was specially built to special purpose ship (SPS) notation. According to Nordic Maritime, this enables the vessel to operate in deepwater regions, as well as the ecologically sensitive areas found in the offshore sectors in Australia, Brazil and the North Sea.

A pair of Hyundai-supplied engines power the 'Mokul Nordic', each rated for 2,230kW and driving Berg propulsion units via Mekanord marine transmissions. Rounded out by Caterpillar generators and a MAN emergency generator for on board redundancy, the vessel's power and propulsion package ensures an operating speed of 12 knots. With the aid of four Schottel controllable-pitch thrusters, the vessel is also capable of DP-2 dynamic positioning.



To facilitate the vessel's intended multi-purpose operational profile, the 'Mokul Nordic' is fitted with a 60-tonne active heave compensated (AHC) crane on deck, supplied by TTS, as well as extensive remote-operated vehicle (ROV) capabilities. Equipment manufacturer Cargotec has supplied the remainder of the vessel's deck machinery package, including a three-tonne knuckle boom crane, windlass, winch, and capstan.



The 'Mokul Nordic' features on board accommodation for up to 60 crew and offshore personnel. According to Tebma, these facilities and other amenities are arranged across four alphabetised deck levels. The A-deck houses the vessel's galley, day room, mess room, cold/cool stores, and dry provisions storage. B-deck, meanwhile, houses the engine room, 13 twin-berth cabins, an office, a dedicated ROV room, and a conference room. C-deck is dedicated solely to crew/personnel accommodation, featuring eight single-berth and ten twin-berth cabins, whilst D-deck has three state cabins, three single-berth cabins and an instrument room. Lastly, the bridge level also features a communications centre, pantry and toilet facilities.

The completion of the 'Mokul Nordic' to stringent construction standards is a boon for Tebma, which is one of the few shipyards building specialised offshore support vessels in the Indian subcontinent. From its shipyard facilities in Chennai and Udupi, Tebma caters solely to the work boat industry, with the company also engaged in

the construction and delivery of geotechnical survey and research vessels.

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'Mokul Nordic' SPECIFICATIONS

Type of vessel:	Multi-purpose OSV
In survey to:	DNV
Flag:	Panama
Owner:	Mokul Nordic Offshore, Singapore
Operator:	Nordic Maritime, Singapore
Designer:	Wärtsilä Ship Design, Singapore
Builder:	Tebma Shipyards, India
Construction material:	Steel
Length overall:	75.55 metres
Breadth:	19.2 metres
Depth:	7.6 metres (to first deck)
Draught:	6.5 metres
Tonnages:	4,247GRT, 1,275NRT, 2,500DWT
Main engines:	2 x Hyundai Himsen 8H25/33; each 2,230kW
Gearboxes:	2 x Mekanord TYPE 60
Generators:	2 x Caterpillar C32; each 1,600kW
Emergency generator:	MAN D2840 LE201 440kW
Propulsion:	2 x Berg BCP760
Thrusters:	4 x Schottel STT CP
Operating speed:	12 knots
Deck crane:	100T Hydrmarine AHC
Anchor windlass:	Electro-hydraulic
Mooring winches:	2 x Cable lifters
Capstans:	2 x 8T electro-hydraulic
Tugger winches:	2 x 8T electro-hydraulic
Fuel capacity:	1,300m ³
Freshwater capacity:	280m ³
Ballast capacity:	1,479.4 m ³
Liquid mud capacity:	1,070m ³
Accommodation:	60