

Performance & Machinery

Propulsion

Diesel Electric: CAT 4 x 1820 kW (9760 HP) + Harbour CAT 1 x 370 kW

Main Propulsion: 2 x 2600 kW Azimuth Thruster, Kongsberg US-255 FP

Bow Thruster: 2 x 883 kW Rolls-Royce TT-2200 Tunnel Thruster + 1x883kW Rolls-Royce Aquamaster UL-1201 Azimuth Thruster

Bollard Pull: 72 – 88 Tons

Speed & consumption

Maximum Speed: 14.0 knots @ 22 t fuel

Service Speed: 11.0 knots @ 12 t fuel

DP mode: 0 – 2 knots @ 6-8 t fuel

Endurance : 45 days

DP Control: DP AUTR (Class 2, Kongsberg KPOS-21)

Reference system: 2x DPS i2 High Performance GNSS System, 3x MRU, 1x RADIUS Single Interrogator, 1x HiPAP 502

Equipment

Cable Equipment

Linier Cable engine: Royal IHC 20 Ton LCE c/w 20 Wheel pairs with Manual, render, and Constant Tension operating modes to operate 10mm to 400mm cable diameter

Cable drum engine: Royal IHC 30Ton Bottom loading Cable Drum Engine (CDE) with Manual, Render, and Constant tension operating modes to operate 10mm to 400mm cable diameter

DO/HB: Royal IHC 4 Ton Draw Off Hold Back (DOHB) with speed, render, and constant tension operating modes to operate 10mm to 400mm cable diameter

Repeater box: 2 units Repeater Box c/w 25 repeater racks on each repeater box. Repeater box provided with Redundant Air conditioning system

Stern Roller: 2x Dual direction split type 3m diameter

Deck equipment

A-frame: AiCranes SWL 30 ton

Winch: 80 ton tension compensated tow 3,000 m

Tele scopic crane: 2 ton @ 22m

Provision crane: 1 ton @ 15m

Work boat: Svendborg 7.5 m

Fast rescue craft: Viking – 6 person

Plough

Type: Royal IHC – Fibre Optic Cable Plough

Trenching Depth: 2.2m option with a simple share extension can also be installed

Tow capacity: 60T sustained

Cable: Ø10-160mm

Cable joint /Repeater: Ø 266mm (Ø 380mm)

Cable bend radius: 1.5m in bellmouth

Water depth: 0 to 2,000m

ROV

Type: MODUS Working class ROV CT-2

Max Operating Depth: 3,000 mtr

Power installed: 300 KW/440V

Weight in air: 9700kg

ROV handling A Frame: SWL 10te

Weight in water: 400kg

Horizontal Thrusters: 4 x 420mm dia.

Vertical Thrusters: 4 x 380mm dia.



SHIP PARTICULAR

BENTANG BAHARI



Key Features



Horse Power
4 x 2440 BHP (9760 BHP)



DP Capability
DP-2 Cable Laying Vessel



Bollard Pull
Approx. 72-88 Tons Bollard Pull Capacity

General Information



Registration

Classification: Det Norske Veritas (DNV)
Notation: +1A1, Cable Laying Vessel, DK(+), DYNPOS(AUTR), E0
Flag: Indonesia
Conversion: 2023



Dimension

Length overall: 94.65 mtr
Breadth moulded: 19.70 mtr
Maximum draught: 6.10 mtr
Deadweight at max: 3205 ton
Gross tonnage: 5861 t



Capacities

Tank #1: Ø16m x h 4m
Tank #2: Ø16m x h 7m
Tank #3, 4: Ø8m x h 4m
Overall cable load capacity: 2,356 ton



Communication

Fleet Boardband: 2 x FBB 500
VSAT: KU-Band interfaced with PABX and FBB
Video network: 32 cameras and 50 monitors
Inmarsat: 2 x SAT C
Starlink Maritime: Internet Connection



Accommodation

Accommodation: 54 persons
Cabin: 8 Single, 17 Double, 3 Quad Each cabin has private toilet (Shower, WC, wash basin)

