

CABLE LAYING VESSEL



This Cable Laying Vessel is a high technology Vessel intended for subsea operations of cable installation and repair works of 'optical' as well as 'power' cables. For handling of power cables, the forward tank has been fitted with a "carousel" with a payload capacity of 2000 tonnes, a loading arm and a control cabin. The Vessel is arranged with 2 main cable tanks, 2 spare cable tanks and 2 rope tanks. The Vessel has a well laid out "cable laying deck" with "Drum Cable Engines", "Draw Off Hold Back" Engines, Cable Engine Control Rooms, Cable Control Rooms, Jointing Rooms, Workshops, Overhead Travelling Cranes, Cable Diverters and Stern Sheaves.

The Vessel is specially designed by "VARD DESIGN" Norway and is equipped with a focus on maintaining good sea keeping ability and excellent station keeping performance. Passive roll reduction tanks help minimize the effect of ship rolling. The Vessel has many special features including low resistance hull lines designed for higher speed and low fuel consumption. The Vessel is also extremely eco-friendly. Scrubbers/SCR are installed to reduce harmful emissions from Main Engines complying with IMO Global Sulphur Cap 2020 requirements. In addition, waste storage solutions, water ballast treatment systems, eco-subsea coating solutions make the vessel eco-friendly and due to this, it enables the vessel to operate in all parts of the world.

This Vessel is built and classed by ClassNK and also meets the regulatory requirements of the Japanese Government.

General

| | |
|---------------------|--|
| Yard No. | : 243 |
| Delivery Date | : 21 June 2019 |
| Basic Functions | : Laying and repairing of optical cables and electric power cables |
| Classification | : NS* (CL, PSPC-WBT, NC) (ID IS) (DPS B) (BRS1), MNS* (M0), IHM |
| Dynamic Positioning | : Class 2 |

Dimensions

| | |
|----------------|-------------|
| Length overall | : 113.1 m |
| Beam mld. | : 21.5 m |
| Depth | : 8.8m |
| Draught max. | : 7.1 m |
| Deadweight | : 5757 Tons |

Performance

| | |
|--------------------|--------------|
| Ahead Bollard Pull | : 80 Tons |
| Speed | : 14.5 Knots |

Diesel Electric Propulsion

Vessel's propulsion power is provided by four Generator sets, developing 2,300 kW each. Propulsion is by two Azimuth propellers in the aft and two "Tunnel Thrusters" and one "retractable azimuth thruster" in the forward. All Five thrusters onboard are "controllable pitch propelled" with variable RPM as well.

Tank Capacities

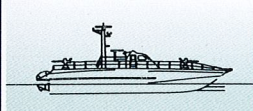
| | |
|----------------------|----------------------------|
| Fuel oil | : 1636.8 m3 |
| Fuel oil (LS MGO) | : 308.7 m3 |
| Fresh water | : 651.4 m3 |
| Potable water | : 178.8 m3 |
| Water ballast | : 2814.8 m3 |
| Cable and rope tanks | : 5000 ton (with Carousel) |

Accommodation

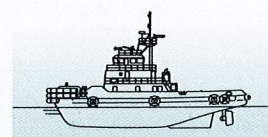
| | |
|-----------------|-------------|
| Officers / Crew | : 80 person |
|-----------------|-------------|

Owner

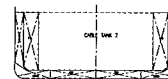
Kokusai Cable Ship Co., Ltd.(KCS)/ KDDI Japan



Colombo Dockyard Plc
Shipbuilders, Ship repairers & Heavy Engineers

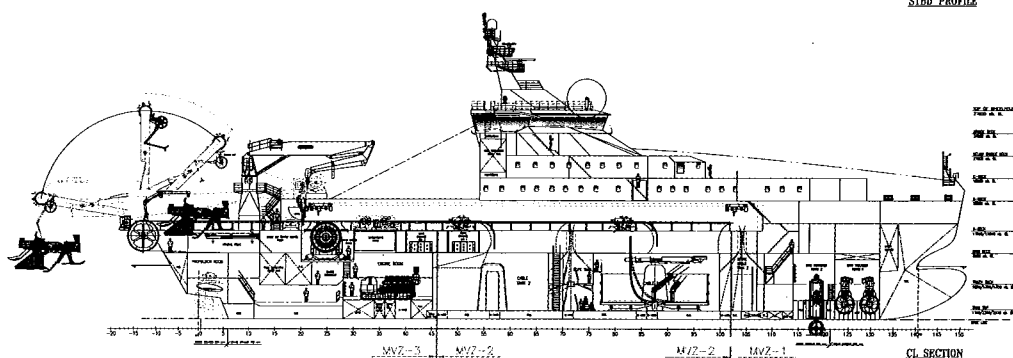


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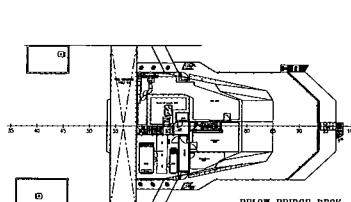


STAD PROFILE

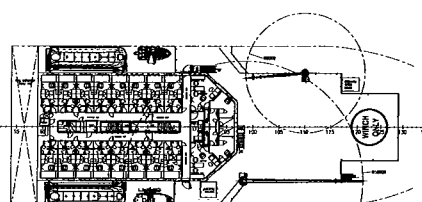
$X = 160$



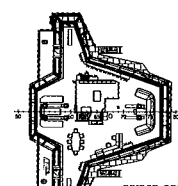
CL. SECTION



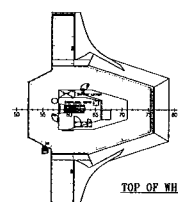
BELOW BRIDGE DECK



C-DECK



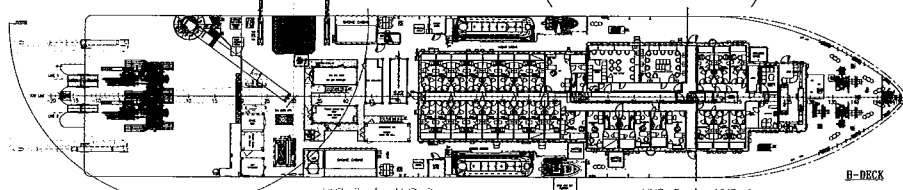
BRIDGE DECK



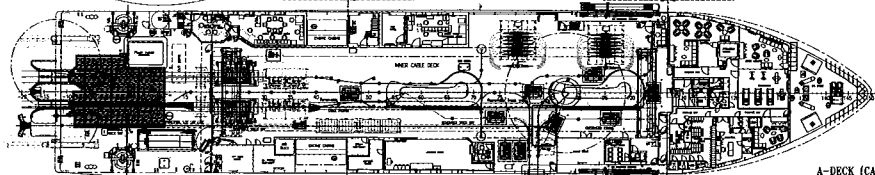
TOP OF WHEELHOUSE



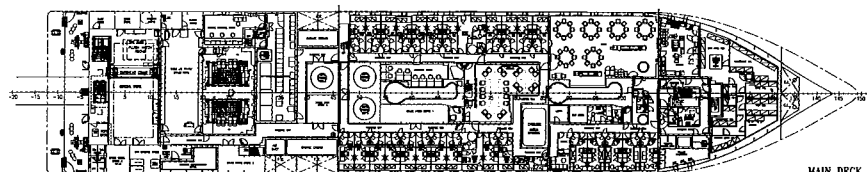
TOP OF EM. GEN. ROOM



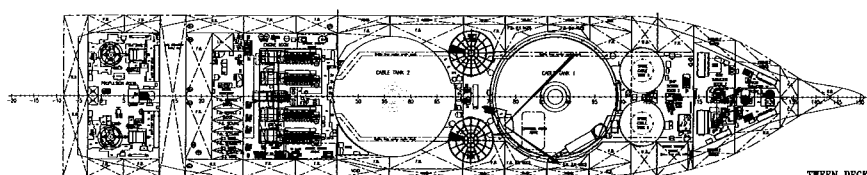
B-DECK



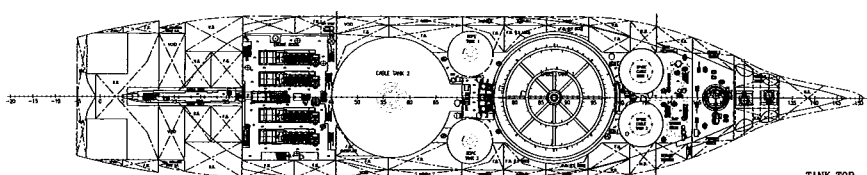
A-DECK (CABLE WORK DECK)



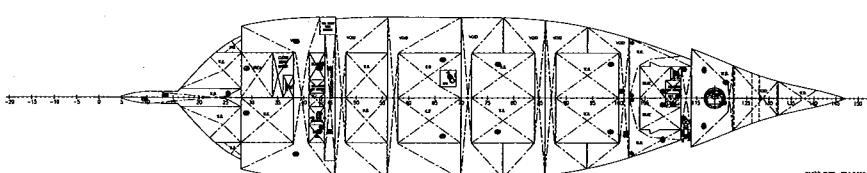
MAIN DECK



TWEEN DECK



TANK TOP



BELOW TANK TOP

MAIN DIMENSIONS

| | |
|-------------------------|---------------------|
| L.O.A. | 113.1 m |
| L.P.P. | 96.2 m |
| BREASTH WLD. | 21.5 m |
| DEPTH MAIN DEK. | 8.8 m |
| MAX. DRAUGHT | 7.1 m |
| FUEL OIL (TOTAL) | 1420 m ³ |
| FUEL OIL (U.S. WOOD) | 307 m ³ |
| FRESH WATER | 600 m ³ |
| POTABLE WATER | 150 m ³ |
| WATER BALLAST | 2500 m ³ |
| CABLE AND ROPE TANKS | 5000 m ³ |
| ACCOMMODATION: | |
| CAPTAIN'S CASS COBINS | 6 PERSONS |
| SENIOR OFFICER CABINS | 16 PERSONS |
| JUNIOR OFFICER CABINS | 24 PERSONS |
| SINGLE CREW CABINS | 24 PERSONS |
| DOUBLE PASSENGER CABINS | 16 PERSONS |

[illegible]