

DYNAMIC 31

42.00 ALUMINIUM WORK BOAT VESSEL



GENERAL SPECIFICATIONS

Built	:	India
Year of Built	:	September 2004
Classification	:	Bureau Veritas
Flag	:	Panama

DIMENSIONS

Length Overall	:	42.00 m
Depth	:	8.50 m
Breadth	:	3.50 m
Max. Draft	:	2.22 mtrs @ 300 T
Clear Deck Space	:	90 sqm
Deck Load Capacity	:	10 MT
Gross Tonnage	:	356
Net Tonnage	:	106
Lightship	:	136 Tonnes

MACHINERY

Main Engines	:	2 x MTU 16V4000M70, 2320kW each @ 2000 rpm / 2 x 3110 HP
Generators	:	3 x 105kW, Caterpillar- 3304, 440V/60Hz/3Ph
Propellers	:	2 x Teignbridge FPP, 5 Blades 682 rpm max
Gear Box	:	2 x Twin Disc, MG-61242- 00-A, Ratio: 2.93:1
Steering Gear	:	Palmarine Type: EFF2

CAPACITIES

Fuel Oil	:	107 MT
Fresh Water	:	101.4 MT

DECK MACHINERIES

Anchors	:	1 x 264 Kgs, structural marine
Chain	:	1 x 34mm dia. X 302.5 m, U2
Anchor Windlass	:	MUR-SD3 185 2678 Kg @ 10 Mtrs/min
Tugger Winch	:	MUIR-JW 505 5000 Kg at 5 Mtrs/min
Crane	:	Will be provided

PERFORMANCE

Speed	:	17 knots @ 90% MCR; 20.1 @ 100% MCR
Fuel consumption	:	77 USG/hr at 100% load MCR

TRANSFER RATES

Cargo Fuel	:	28 cu.m/hr @ 35MWC
Water	:	25 cu.m/hr @ 43MWC
Liquid Mud	:	4.2 cu.m/hr @ 45MWC

PASSENGER/ACCOMMODATION

Seats	:	36 nos.
Accommodation	:	1 x 4 Men; 5 x 2 Men & 4 x 1 Men = 18



Sewage TP : 1 x Hamann HL-CONT CWC
3782A

Oily Water Separator : 1 x Hamworthy HS 1,
98013783, S/N: 91817-01

Oil Dispersant System : Ayles Fernie, Clear Spray
100D

Bow Thruster : Will be provided

Deck Air Compressor : 6.3 M³ /min Tamrotor
Marine

NAVIGATION EQUIPMENT

Radar : 2 x Furuno FR-1505 & 1510

VHF (1) : 2 x Sailor RT-2048

VHF (2) : 2 x Sailor RT-4822 VHF DSC

Auto Pilot : 1 x Anschutz, NP60

GPS : 1 x Furuno GPS/WAAS Nav

DGPS : 1 x Koden KGP-913D

Doppler Log : 1 x Furuno DS-80

Gyro Compass : Anschutz

Echo Sounder : 1 x Hondex HE-670

Navtex : 1 x SNX-300

AIS : JRC JHS-182

Inmarsat-C : Sailor AT 464E Date T.

SSB Transceiver : 1 x HT-4610 MF/HF

SSB Control Unit : 1 x HC-4500 MF/HF

SSB Alarm Panel : 1 x AP-4365

SSB Speaker : H-2074

GMDSS Handset : 2 x SRC CTW/100

VHF Handset : 2 x Motorola GP 340

PA Set : 1 x Amplidan Commander
1500

SAFETY & FIREFIGHTING

Liferafts Type : 4 x 25 Person (DK 25)

LifeJackets w/ lights : 66 nos.

EEBD 15 min. : 40 nos.

B.A Sets 30 min. : 8 nos.

Medical Oxygen : 2 set

EPIRB : 1 x Samsung/1600438

SART : 1 x Seven Star Electronics

Life Buoy : 6 nos.

Line Throwing App : 4 nos.

Rescue Boat : 1 x Viking 470 GRP 6 persons (fiber hull)

Fire Extinguisher : 17 nos. x Monark

FiFi Pump : B.E Pump-HA150-200DPM, 600
cu.m/hr @ 120M

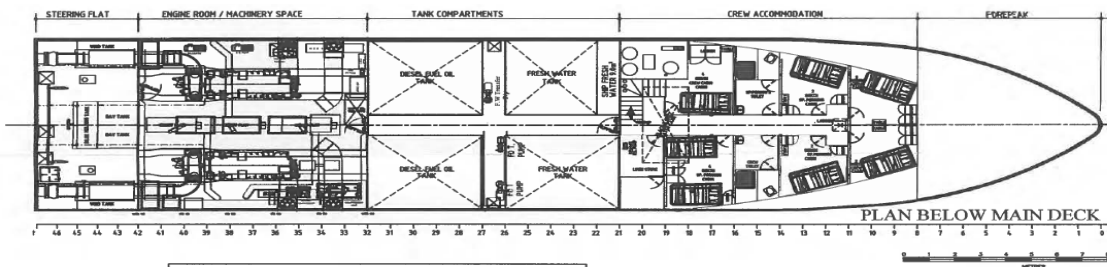
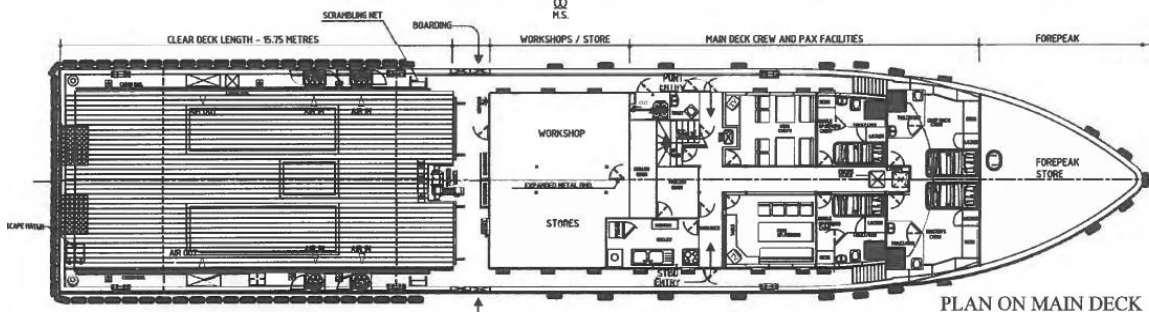
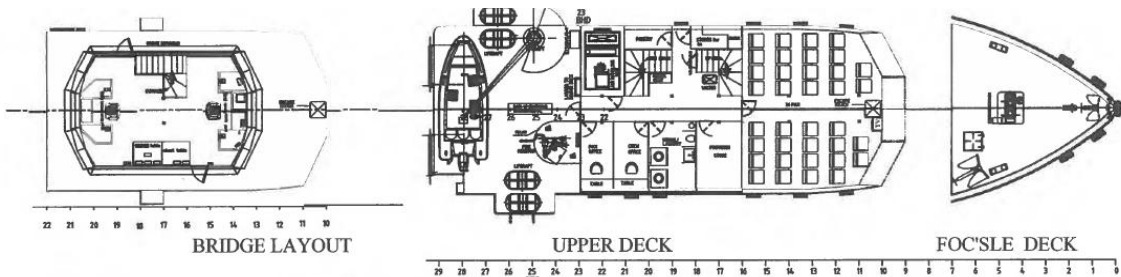
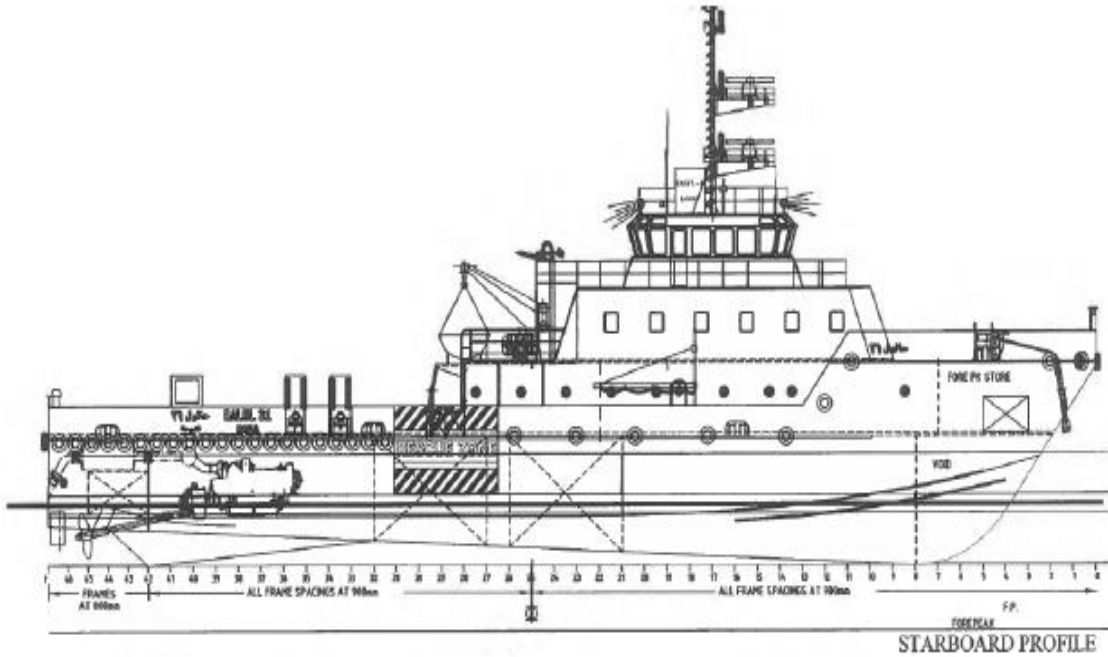
Monitor (100mm) : Counter Fire Ltd., 500cu.m/hr @ 10 bar
remote controlled

Em. Fire/Pump : 25 cu.m/hr @ 35m head

Fixed CO2 : Full Flooding System

Dispersant System : 2 x 6m spray

Fixed H2S : 5 x Maglis



PRINCIPAL PARTICULARS

Design Speed	25 knots @ 125 T deadweight
Length Overall	42.00 m Max
Length Rule	38.13 m
Length Wafer Line	38.75 m
Beam (Moulded)	8.50m
Depth (Moulded)	3.50 m
Max Moulded Draft (summer Load Line)	2.295 m
Rig Crew Seats	36
Accommodation	10 Ships Crew + 10 Special Persons
Class Notation	LRS 100 A1 SSC, Workboat Mono, HSC, G3