



# SEA AARYAN

**400-Men Accommodation / Work Barge / Construction / Convertible to Pipelayer**

## Principal Particulars

Length Overall :	113.08M
Breadth Moulded :	28.5 m
Depth Moulded :	7.30m
Dratt (Max) :	4.50 m
Built :	2010
Class :	ABS
Notation :	ABS + AI Accommodation Barge
Flag :	TUVALU

## Cargo Capacities

Dead weight	8034.61Tons
Deck Strength	15 T/sq.m
Clear Deck Area	1850 m <sup>2</sup>
Fuel Oil	1000 m <sup>3</sup>
Fresh Water	2186 m <sup>3</sup>
Ballast Water	8727 m <sup>3</sup>
Freezer / Chiller	50 m <sup>3</sup> /55 m <sup>3</sup>

## Pumps

Fuel Oil	1 x 80m <sup>3</sup> /hr@60m/head And 2 x 10m <sup>3</sup>
Fresh Water	1 x 120m <sup>3</sup> /hr@60m/head
Ballast Water	2 x 300m <sup>3</sup> /hr @50 m/head
Blige	2 x 150m <sup>3</sup> /hr @40 m/head
Sprinkler	1 x 150m <sup>3</sup> /hr @80 m/head
Domestic fresh water And sea water	each 4 x 30 m <sup>3</sup> /hr @70 m/head

## Machinery

Generator	Engine: Cummins: 3 X 800 kw @1800 RPM Alternator: STAMFORD 800 kw/440 V/3 Ph/60 HZ
Emergency Generator	Engine: Cummins: 1 x 200 kw@ 1800 RPM Alternator : STAMFORD 200KW/440 V/3 Ph/60 HZ
Air Screw compressor	294m <sup>3</sup> /hr @13 bar

## Radio & Navigation Equipment

GMDSS	Area 2 comprising
SSB	1x Furuno FS-1570T
Inmarsat F	1x Furuno Felcom 70
VHF Radio	2 x Furuno FM 3000 with built-in DSC 1 x Furuno FM 8800S wth built-in DSC
Navtex Receiver	1x Furuno NX700A
SART	2 x Mc Murdo S4
EPIRB	1x Mc Murdo E3A
Portable VHF Radio	3 x Mc Murdo R2
Portable Marine VHF Radios	3 x Mc Motorola GP - 328 8 x ICOM M88
VHF Air Band T'receiver	1x ICOM IC-A24 1x ICOM IC-A6(HLO)
Satellite Mini-M	1x Sailor Trane
VHF tor Crane	1xSlmrad RT62
Radio Beacon T'mitter	Nautel ND500II
Radar	1 x Furuno FR7062-RDP-122
Echo Sounder	1x Furuno FE 700
GPS	1 x Furuno GP 150
Satelite Compass	1x RAYTHEON ANS CHUTZSTD22
Weather Fax	1x Furuno FAX 207
Annemometer&Clinometer	1 & 4 nos
Barge also fitted with PA Talkbalk System and Sound Powered Telephones & CC TV system.	

## Fire Fighting & Survival Equipment

Fire Pump	1 x 300 m <sup>3</sup> /hr @ 110 m/head; Azcuc
Fire Monitors	2 x 73.5 m <sup>3</sup> /hr@7 bar; FJM-80
Emergency Fire Pump	1 x 300 m <sup>3</sup> /hr @ 80 m/head; Azcuc
Life Rafts	32 x 25 man SOLAS approved
Rescue boat	1x 6 persons SOLAS approved c/w davit

Fire Detection System in all enclosed spaces.  
CO2 system for generator room and paint store and galley duct Fixed automatic water sprinkler system for whole accommodation spaces Inld store & workshop.

## Other Facilities

Hospital	1 x double berth hospital with attached
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motor driven	
8-point Mooring	8 x single drum electro-hydraulic; Bridge Control
Rated Pull	90mt @ 0-12m/min @ 1st layer (1st speed)
Brake Capacity	150mt static @ 1st layer
Anchor Wire	8 coils x 1500 m (L) x 52 mm(Ø) SWR
Anchors	9nos x 10000 kg Flipper Delta Anchors
Pennant Buoy	10x2.45 m(L) x 1.83m
Tugger winch	1 x 10 tons(engine driven) 1 x 5 tons (electrical)
HVAC Aircon Compressor	2 X York, Denmark, 780kw, Type –CSH9571- 240Y-40D

#### Helideck

Helideck	Suitable for SIKORSKY S92 25.62m x 25.62m
Deck Crane	AMERICAN HOIST CRAWLER CRANE MODEL -11320 CAPACITY-400T Boom length- 61 mtrs

#### Accommodation

Single berth	12 x 1 berth
Double berth	14 x 2 berth
Four ( 4 ) Berth	90 x 4 berth
Total	400 berth

Cabin's Air Conditioned with built-in facilities, comply to ILO 92. IMO Resolution A468 (XII)

paramedic room	Total 5
Offices	1 with seating capacity for 20 men
Conference Rooms	1 x main mess with seating capacity for 150 men
Messrooms	2 main room with seating capacity for 48 men
Recreation Rooms	1 X Paint store, 1 x Prayer Rooms. 1 x Meeting Room. 1 x AFT control, 1 x Fwd Control Room, 1 x Change Room, 1 x Laundry / Drying Room, 4 x Dry Provision Room, 1 x Gym Room
Others	
Workshop	1 complete w /lathe, drilling machine, . grinding machine, Milling machine, electric saw, oxy / acetylene and Welding machine

#### Miscellaneous

Oil Water Separator	1 x 3 m <sup>3</sup> /hr c/w 15 ppm alarm
Sewage Treatment Plant	2 x 200 men
Water Maker	2 x 50 m <sup>3</sup> /day reverse osmosis
Garbage Compactor	1 x DM70T 30 CCC
Garbage Disposer	1 x 510 SL 01200916HS33

**Note : All Specifications Subject to Change Without Notice**