Sail Training Ship (STS)



GSL takes pride in building the first ever Sail Training Ship "INS Tarangini" for the Indian Navy for training cadets. This Ship is built for worldwide operations to the design of Colin Mudie, UK, and was commissioned on 11th Nov. 1997. After satisfactory performance of "INS Tarangini", GSL secured a repeat order for second Sail Training Ship "INS Sudarshini" which was successfully built and was commissioned on 27 January 2012.

The ship is steel hulled, round bilged, three masted sailing ship, square rigged on the forward and main mast and fore and aft rigged on the mizzen mast and has eighteen sails with a sail area of approx. 1035 sq.m. This ship is a barque rigged Sailing Vessel for world wide operation as a training ship. It has got a very high endurance and can be deployed at sea continuously for a period of twenty days. The ship will have an accommodation for 61 persons and will be used under sail or under power and under combination of both.

Sail training ships are increasingly being used as basic seamanship and character building platforms by Navies the world over.

Life cycle support, Upgrades and Logistic support can be provided by GSL for this product.

GOA SHIPYARD LIMITED

Ship Builders, Ship Repairers & Engineers

www.goashipyard.in

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Sail Training Ship (STS)



General

- **Functions** : This three masted, square rigged, sail ship is used for training of cadets on rigging of sails.
- **Hull Material** : Steel
- **Superstructure** : Aluminium
- **Classification** : Lloyd's Register of shipping +100 A1 SSC MONO YACHT G6

Main Particulars

- **Length Overall** : 54.00 M
- **Length Overall (Hull)** : 42.80 M
- **Breadth (mid.)** : 8.50 M
- **Draught** : 4.20 M
- **Sail area** : 1035 sq. mtrs.
- **Displacement**(full load) : 513 Tons (approx.)

Capacities

- **Accommodation** : 16 Crew & 45 Cadets
- **Fuel Oil** : 33 Tons
- **Fresh Water** : 45 Tons

Performance

- **Speed** : 8 Knots (approx.)
- **Range** : 2000 NM
- **Endurance** : 20 days

Propulsion System

- **Main Engine** : 2 x 320 HP at 1800 RPM
- **Gear Box** : Reverse reduction type
- **Propulsion** : 2 x Fixed pitch propeller

Fire-Fighting (Internal)

- Co_2 system

Electrical Equipment

- **Networks** : 415 V, 3 Phase, 50 Hz / 230 V AC / 24 V DC
- **Generators** : 2 x 120 KW, 415 V, 3 Phase 50 Hz
- **Emergency Gen**: 6 KVA, 230 V, 1 ph, 50 Hz

Deck Machinery

- **Anchor Equipment** : 2 x 570 Kgs. H.H.P Anchor, with chain as per class requirement.
- **Davit** : 2 nos. swan neck single davit for handling RIB
- **Winches** : 4 nos. electric mooring winches.
- **Boats** : 1 Rescue Boat of 4.7 M long. 1 RIB of 4.7 M long.

Auxiliary System

- Oily Bilge Water Separator
- STP cum Vacuum Toilet System
- F.W. Generating System, RO type (10 TPD)

Navigation & External Equipment Communication Equipment

- 10 KW X-Band Radar with ARPA
- Magnetic Compass
- Gyro Compass
- DGPS
- Electronic Chart Display & Information system
- Echosounder
- Speed log
- Communication according to GMDSS-A3

GOA SHIPYARD LIMITED
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