27 Knots, 50M Fast Patrol Vessel (FPV)



This 27 Knots, about 51 meters in length, Fast Patrol Vessel, is in-house designed and built by Goa Shipyard Ltd. This vessel is primarily designed for patrolling, anti-smuggling and anti-terrorist operations. It can also support the Navy during wartime as a coastal convoy escort and as a communication link.

The hull of the vessel is of steel and strong enough to withstand continuous heavy sea conditions. Fully air conditioned accommodation is provided for 42 men on-board. This vessel is provided by two nos. 3000 KW diesel engines driving two controllable pitch propellers (CPP) and is fitted with 30mm Gun at forward position, SRCG 12.7mm on port & starboard and state-of-the-art Navigation and Communication equipment. The vessel is optimized for long periods at sea and is stable in all conditions without ballasting and also has the ability to survive with two compartments damaged.

These vessels are built by GSL to meet the stringent requirements of Indian Coast Guard. These vessels are designed for challenging situations and natural disasters like tsunami and are presently rendering yeoman service to the Indian Coast Guard.

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

Salient Features of this Vessel

- **Completely in-house designed.**
- **These class of vessels are proven in service.**
- **Excellent stability & performance proved in harsh sea conditions.**
- **Multi-role capability, cost effective product, comparable to any other similar internationally available product.**
- **Ready availability of proven platform design, which can be adapted to specific customer needs.**

GOA SHIPYARD LIMITED
Ship Builders, Ship Repairers & Engineers
www.goashipyard.in

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27 Knots, 50M Fast Patrol Vessel (FPV)



General

- **Functions** : Fisheries protection & monitoring of foreign chartered trawlers in EEZ, coastal patrolling, control and surveillance, anti-smuggling, Search and rescue, Anti-piracy during hostilities and wartime, provide communication link and escort convoys
- **Hull Material** : Steel, AH36
- **Super Structure** : Aluminium
- **Classification** : Dual Classification ABS & IRS
  +A1 HSC (Special Govt. Service)
  +AMS (IACS)

Main Particulars

- **Length Overall** : 51.43 m
- **Breadth (mid.)** : 8.00 m
- **Depth (mid.)** : 4.35 m
- **Draught (max.)** : 2.15 m
- **Displacement** : 320 Tons

Capacities

- **Accommodation** : 7 Officers and 35 Enrolled Personnel, 9 Subordinate officers
- **Fuel Oil** : 30 Tons
- **Fresh Water** : 12 Tons

Performance

- **Speed** : 27 Knots at Sea State 0-2
- **Range** : 1500 NM at 12-14 Knots
- **Endurance** : 5 Days

Propulsion System

- **Main Engine** : 2 x Diesel Engines
- **Total Power** : 2 x 3000 KW
- **Gear Box** : 2 Reduction Gearbox
- **Propulsion** : CPP
- Integrated Platform Management System

Electrical Equipment

- **Networks** : 415V, 3Ph, 50Hz / 230V AC/ 24V DC
- **Generators** : 3 x 120KW, 415V, 3Ph, 50Hz
  EDG - 1x21 KW, 415V, 3Ph, 50Hz

Deck Machinery

- **Anchor Equipment** : 2 x 240 Kgs SHHP Anchor, 19 mm dia- U2 chain of 275 mtrs.
- **Anchor Capstan** : 2 nos. Twin Speed
- **Mooring Capstan** : 1.5T@12 mtrs/min and 6 mtrs/min (reversible)
- **Crane** : 1 no. Articulated Electro-hydraulic boat handling crane.
- **Boats** : SOLAS Compliant 8 Men RIB of 30 knots & 6 Men Gemini boat with 25 HP OBM

Auxiliary Systems

- Bilge Water Separator meeting IMO regulations of MARPOL
- Vacuum Toilet & Sewage System meeting IMO regulations
- Fresh Water Generating System, RO type (5 TPD)

Armament

Provision of fitment of:

- 1 x 30 mm CRN 91 Gun
- 1 x 12.7 mm SRCG

Nautical, Surveillance and Communication Equipment

- Solid Band Radar with ARPA
- Magnetic Compass
- Gyro Compass
- Auto Pilot
- DGPS
- Electronic Chart Display & Information System
- Echo Sounder
- EM Log
- Communication according to GMDSS-A3
- Intelligence Surveillance Response System
- Long Range Acoustic Hailing Device

GOA SHIPYARD LIMITED
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