75 M. Offshore Patrol Vessel



This mid-sized Offshore Patrol Vessel, 75m in length, is a new in-house designed product of Goa Shipyard Limited, capable of undertaking day and night patrolling and policing operations, search and rescue operations, embarkation & operation of upto 5.5 Ton helicopter for long range all time search & rescue and surveillance.

Fitted with twin diesel engines, each driving a Controllable Pitch Propeller, through a reduction gear box, the vessel delivers a maximum speed of 25 Knots. The endurance of the vessel is 3000 NM. The vessel is equipped with an Integrated Platform Management System and an Integrated Bridge System.

The vessel is suitable for fitting one 76 mm SRGM, two 30 mm guns and other weapons and sensors as per clients choice.

The vessel is also suitable for operating with hybrid propulsion with installation of shaft generator/electric motor. This compact OPV shall have excellent manueverability and is highly customizable.

GOA SHIPYARD LIMITED

Ship Builders, Ship Repairers & Engineers

www.goashipyard.in

For further information, please contact:

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Business Development

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75 M. Offshore Patrol Vessel

General

- **Functions** : Patrolling & policing, SAR, Pollution control etc. Protect Offshore assets and Island territories.
- **Hull Material** : Steel to ABS Gr A/B/D
- **Superstructure** : Mild Steel to ABS Gr B.
- **Classification** : IACS member

Main Particulars

- **Length Moulded** : 74.80 M
- **Breadth Moulded** : 11.50 M
- **Draft** : 3.60 M
- **Displacement** : about 1440 T
- **Complement** : 12 Officers, 52 Sailors

Performance

- **Speed** : Not less than 25 Knots
- **Endurance** : Not less than 3000 miles

Aviation

- Operation & embarkation of 1 no twin engine helo of AUW 6800 kgs.

Propulsion System

- **Main Engine** : 2 x Diesel Engines / hybrid
- **Gear Box** : 2 x Marine Reduction Gearbox
- **Propulsion** : 2 x Controllable Pitch Propeller

Electrical Equipment

- **Networks** : 415 V, 3 ph, 50 Hz, 230 V AC, 24 V DC
- **Generators** : 4 x 450 KW, 415 V, 3 Ph, 50 Hz.
- **Emergency Generator** : 1 x 80 KW, 415 V, 3 Ph, 50 Hz.

Deck Machinery

- **Anchor Equipment** : 2 nos Anchors of 1440 Kgs HHP/ equivalent SHHP
  2 nos electric driven Anchor Capstan. Dual speed electric motor vertical type Mooring Capstan
- **Crane** : 2 nos Articulated Cranes of 1 Ton at 9 mtrs. & 2 Tons at 4 mtrs. class approved (SOLAS)
- **Davits** : 1 no Radial Davit, 1 no RIB with Inboard Engines
- **Rescue Boat** : 1 no Inflatable Gemini boat 8 men, 40 HP

Auxiliary Systems

- Oily bilge water Separator
- Vacuum Toilet System

Armament

- 2 nos 30 mm Gun with FCS
- 1 no 76 mm Gun with FCS

Nautical, Surveillance and Communication Equipment

- Integrated Navigation Bridge System
- Gyro
- Auto Pilot
- EM Log
- Echo sounder
- 2 nos DGPS & 1 no GLONASS
- Magnetic Compass
- GPS compass
- 25 KW X Band Radar for Navigation with ARPA
- 30 KW S Band Radar for Surveillance with ARPA
- Fibre Optic / Ring Laser Gyro Compass
- Electronic Chart Display
- Military Communication Radio

GOA SHIPYARD LIMITED
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