



Submarine Vagsheer

Why in News?

Recently, Mazagon Dock Shipbuilders launched the sixth [Scorpene Submarine](#) 'Vagsheer' of [Project-75](#).



What is a Scorpene Class Submarine?

- The submarines in the Project-75 Scorpene Class are powered by diesel-electric propulsion systems.
- Scorpene is one of the most sophisticated submarines, capable of undertaking multifarious missions including anti-surface ship warfare, anti-submarine warfare, intelligence gathering, mine laying, and area surveillance.
- The Scorpene class is the Navy's first modern conventional submarine series in almost two decades since INS Sindhushastra, procured from Russia in July 2000.

What is Submarine Vagsheer?

- **About:**
 - Vagsheer is named after the sand fish, **a deep sea predator of the Indian Ocean.**
 - The first submarine Vagsheer, from Russia, was commissioned into the **Indian Navy in December, 1974, and was decommissioned in April, 1997.**
 - It is the last of the Scorpene class submarines made under the P75 project and can join the Navy fleet within 12-18 months after sea trials.

▪ **Features:**

- Vagsheer is a **diesel attack submarine, designed to perform sea denial as well as access denial warfare** against the adversary.
- It is enabled with a **C303 anti-torpedo countermeasure system**.
- It can carry up to 18 torpedoes or Exocet anti-ship missiles, or 30 mines in place of torpedoes.
- Its superior stealth features include advanced acoustic absorption techniques, low radiated noise levels, hydro-dynamically optimized shape, and it can launch a crippling attack using precision guided weapons, underwater or on surface.

What is Project-75?

- P 75 is one of two lines of submarines, the other being **P75I**, as part of a plan approved in 1999 for indigenous submarine construction with technology taken from overseas firms.
- The contract for six submarines under P75 was given to Mazgaon dock in October 2005 and delivery was to start from 2012, but the project has faced delays.
 - The programme has been undertaken with **transfer of technology from French company** Naval Group (formerly known as DCNS) at the Mazagon Dock Limited (MDL).
- Under P75, **INS Kalvari, INS Khanderi, INS Karanj and INS Vela have been commissioned.**
- Sea trials are on for **Vagir**.
- Vagsheer is the sixth; its production was delayed due to the pandemic.

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