



INS Vagir

Why in News?

Recently, the 5th [Scorpene class submarine](#) of [Project-75](#) named **INS 'Vagir'** has been delivered to the Indian Navy today.

- It is a Kalvari class diesel-electric attack submarine, Yard 11879, which when commissioned will be christened INS Vagir.

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What is INS Vagir?

- **Background:**
 - The first Vagir, a submarine from Russia, was commissioned into the Indian Navy on 3rd December 1973 and was **decommissioned on 7th June 2001** after almost three decades of service to the nation.
 - Public shipbuilder [Mazagon Dock Ltd \(MDL\)](#) gave a new incarnation to the submarine with the same name.
- **About:**
 - It is named after the **Sand Fish, a deadly deep-sea predator** of the Indian Ocean.
 - It is a part of the six **Kalvari-class submarines being built in India.**
 - The Kalvari-class submarines **have the capability of operating in a wide range of Naval combat including anti-warship and anti-submarine operations, intelligence gathering and surveillance, and naval mine laying.**
 - The **state-of-art technology used** in the submarine has ensured:
 - Superior stealth features such as advanced acoustic absorption techniques, low radiated noise levels, and hydro-dynamically optimised shape.

- The ability to attack the enemy using precision guided weapons.

▪ **Features:**

- The submarine is designed **to operate in all theatres of operation**, showcasing interoperability with other components of a Naval Task Force.
- It can launch attacks **with both torpedoes and tube launched anti-ship missiles**, whilst underwater or on surface.
- It can undertake multifarious types of missions i.e Anti-Surface warfare, Anti-Submarine warfare, Intelligence gathering, Mine Laying, Area Surveillance, etc.

▪ **Significance:**

- Construction of these submarines in an Indian yard is another step towards **'Aatmanirbhar Bharat' and enhances self-confidence** in this field, a notable achievement is that this is the third submarine delivered to the Indian Navy in a span of 24 months.

What is Project-75?

▪ **About:**

- It is a **programme by the Indian Navy** that entails building six Scorpene Class attack submarines.
 - Scorpene is a **conventional powered submarine** weighing 1,500 tonnes and can go up to depths of 300m.
- The Mazagon Dock Shipbuilders Limited (MDL) is manufacturing **six Scorpene submarines with technology assistance from Naval Group of France** under a USD 3.75 bn deal signed in October 2005.
- Project 75 includes the **indigenous construction of six submarines.**

▪ **Other submarines of the ongoing Project-75:**

- **The first submarine INS Kalvari** was commissioned into Indian Navy December 2017, **second submarine [INS Khanderi](#) in September 2019, third one [INS Karanj](#) in March 2021** and the fourth one INS Vela joined service in November 2021.
- The sixth and last submarine, **Vagsheer, is expected to be delivered to the Navy by end 2023.**

[Source: PIB](#)

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