



## INS Vagir

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## Why in News

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Recently, the fifth **Scorpene class submarine** of **Project-75** named '**Vagir**' has been launched at **Mazagon Dock** in Mumbai.

## Key Points

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- **INS Vagir:**



- **Background:**

- The first Vagir, a submarine from **Russia**, was commissioned into Indian Navy on **3<sup>rd</sup> December 1973** and was decommissioned on **7<sup>th</sup> 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.
  - 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 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**.
  - 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.
- **Project-75 :**
    - 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.
    - It is given support by the **Department of Defence Production** (Ministry of Defence) and **Indian Navy** throughout its various phases of construction.
    - The 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.

- **Other submarines** of the ongoing **Project-75**:
  - Two submarines, **Kalvari** and **Khanderi**, have been commissioned into the Indian Navy.
  - The third submarine, **Karanj**, is in the last phase of rigorous sea trials.
  - The fourth Scorpene, **Vela**, has commenced its sea trials.
  - The sixth and last submarine, **Vagsheer**, is being readied for boot together.

## **Way Forward**

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With the launch of **Vagir**, India further cements its position as a Submarine Building Nation and **MDL** has more than lived up to its reputation as Warship and Submarine Builders to the Nation This is totally in sync with the current impetus of the Government towards **Make in India** and **Aatmanirbhar Bharat**.

**Source:PIB**