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## SUBMARINE 'VELA'

Notes for civil services preparation



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**SUBMARINE 'VELA'**

- Recently, the fourth **Scorpene Submarine 'INS Vela'** of **Project P-75** has been delivered to the **Indian Navy**.

**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 Sindhusastra**, procured from Russia in July 2000.

**Project 75:**

- It is a programme by the Indian Navy that **entails building six Scorpene Class attack submarines**.
- The design of the **Kalvari class of submarines** is based on the French Scorpene class of submarines.
- It is given support by the **Department of Defence Production (Ministry of Defence)** and **Indian Navy** throughout its various phases of construction.
- The **Mazagon Dock 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**.
- MDL is a defence public sector undertaking shipyard under the Ministry of Defence.

**Other Submarines under Project-75:**

- Two submarines, **Kalvari** and **Khanderi**, have been commissioned into the Indian Navy.
- The Scorpene '**Vagir**' is under trials.
- The sixth one, **INS Vagsheer**, is under construction.