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Topic Wise Content

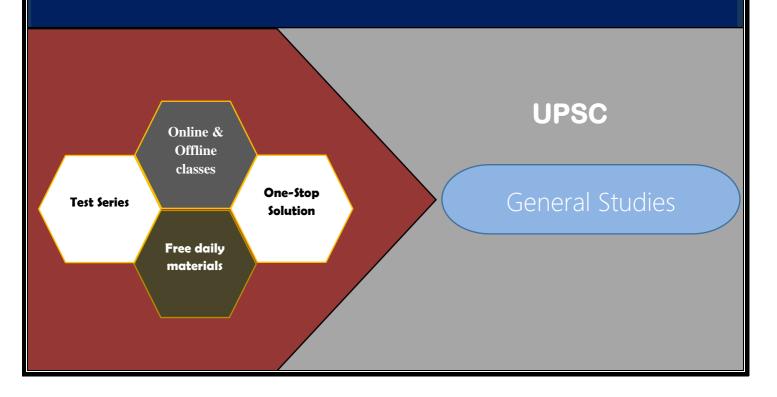


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SUBMARINE 'VELA'

Notes for civil services preparation





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 Sindhushastra, procured fromRussia 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 phasesof 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.

