



## INS Khanderi

### Why in the news?

Defence Minister undertook a sea sortie on a **Scorpene class submarine 'INS Khanderi'** at Karwar.

- During the trip he witnessed a wide range of operational drills with the submarine demonstrating the advanced sensor suite, combat system and weapon capability which provides it a distinct advantage in the subsurface domain.



The Vision

### 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 Sindhusashtra, procured from Russia in July 2000.

### What is Submarine Khanderi?

- Khanderi is a Kalvari class diesel-electric attack submarine.
- It has been named after a deadly sawfish Khanderi which is found in the Indian Ocean.
- Indian Navy had commissioned the first Khanderi submarine on December 6, 1968, and served till its decommissioning in October 1989.
- These submarines other than Khanderi include - [Karanj](#), [Vela](#), [Vagir](#), [Vagsheer](#) and [Kavalari](#)

have already been launched in water.

## What is the Kavalari Class of Submarine?

- Kalvari class is based on Scorpene-class submarines built for the Indian Navy with diesel-electric attack capacity.
- The Defence Ministry of India approved Project-75 in 1997 that allows the Indian Navy to acquire 24 submarines.

## 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).

[Source: TH](#)

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