

INS SAMARTHAK

Prelims: Current events of national and international importance | Defence

Why in News?

Recently, the Indian Navy commissioned INS Samarthak, at Karwar, Karnataka.

- It is the Indian Navy's **first indigenous Multi-Purpose Vessel (MPV)**.
- **Designed and constructed by** - Larsen & Toubro (L&T) Shipyard.
- It highlights the role of India's private sector in indigenous defence manufacturing.





SHANKAR
IAS PARLIAMENT

KEY FEATURES


Multi-Purpose Vessel (MPV)


>75% Indigenous content


Trials and evaluation of indigenous naval technologies


Surveillance, reconnaissance, offshore patrolling and HADR

	Name	INS Samarthak
	Type	Multi-Purpose Vessel (MPV)
	Builder	Larsen & Toubro (L&T) Shipyard
	Indigenous content	More than 75%
	Primary role	Trials and evaluation of indigenous naval technologies
	Commissioning date	16 October 2026
	Commissioning location	Karwar, Karnataka
	Additional roles	Surveillance, reconnaissance, offshore patrolling and HADR
	Number in the programme	First of two MPVs mentioned in the report
	Meaning of Samarthak	"The Proponent"

Feature	Details
Name meaning	Samarthak means "The Proponent"
Primary purpose	Trials and evaluation of indigenous naval systems
Construction techniques	Modular construction and pre-outfitting
Operational roles	Maritime surveillance, reconnaissance, offshore patrolling and HADR
Strategic significance	Supports self-reliance in defence manufacturing
Project	First of two Multi-Purpose Vessels being built by L&T.

Key Functions

- **Trials and Evaluation** - It serves as a dedicated platform for testing and evaluating indigenous sensors and weapons.
- **Training** - It facilitates training on newly developed naval technologies.
- **Maritime Surveillance and Reconnaissance** - It enables monitoring of maritime areas and collection of operational information.
- **Offshore Patrolling** - It enhances maritime security and patrol operations.
- **Humanitarian Assistance and Disaster Relief (HADR)** - It provides support for Humanitarian Assistance and Disaster Relief operations.

Indigenous Shipbuilding and Technology

- **Indigenous content** - The vessel incorporates more than 75% indigenous content.
- This approach promotes domestic defence manufacturing and reduces reliance on foreign facilities for the testing of naval technologies.
- It encourages participation by Indian industries and original equipment manufacturers (OEMs).
- **Construction techniques**
 - **Modular construction** - The vessel is built using separate sections or modules that are assembled together.
 - **Pre-outfitting** - It refers to the installation of equipment and systems within sections prior to final assembly, thereby improving construction efficiency and reducing timelines.

Significance

- It enhances the domestic defence industrial ecosystem.
- It facilitates employment generation and advances technical capabilities.
- It enhances the Indian Navy's capacity to validate indigenous technologies prior to broader operational deployment.
- It aligns with the vision of Aatmanirbhar Bharat.

Reference

[The Hindu | INS SAMARTHAK](#)