

# Indigenous frontline warships – Surat and Udaygiri

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**In news**– The Defence Minister has recently launched two frontline warships of the Indian Navy – ‘Surat’ and ‘Udaygiri’.

## **About warships-**

- **Both warships have been designed in-house by the Directorate of Naval Design (DND)** and built at MDL, Mumbai.
- Udaygiri, named after a mountain range in Andhra Pradesh, is the **third ship of Project 17A Frigates**.
- It is a follow on of the P17 Frigates (Shivalik Class) with improved stealth features, advanced weapons and sensors and platform management systems.
- P17A Frigates are warships that are follow-on class of the P17 (Shivalik Class) Frigates with improved stealth features, advanced weapons & sensors and platform management systems.
- Seven P17A Frigates are under various stages of construction at MDL and Garden Reach Shipbuilders & Engineers (GRSE).
- ‘Udaygiri’ is the reincarnation of erstwhile ‘Udaygiri’, the Leander Class ASW Frigate, which gave service to the country spanning over three decades from 18 Feb 1976 to 24 Aug 2007.
- **‘Surat’ is the fourth ship of Project 15B Destroyers** which heralds a significant makeover of the P15A (Kolkata Class) Destroyers and is named after the commercial capital of the state of Gujarat and also the second largest commercial hub of western India after Mumbai.
- **It has been built using the Block construction methodology** which involved hull construction at two

different geographical locations and has been joined together at MDL, Mumbai.

- **The Project 15B class of ships are the next-generation stealth guided-missile destroyers** of the Indian Navy, being built at the MDL, which are **follow-on classes of the weapon intensive P15A (Kolkata Class) Destroyers.**
- Steel Authority of India Limited (SAIL) has supplied 4300 Tonnes of special steel for India's indigenous navy warships INS 'Udaygiri' and INS 'Surat'.