



Project 17A: INS Himgiri & INS Udaygiri

Source: IE

Two advanced **Nilgiri-class (Project 17A) (P-17A)) multi-mission stealth frigates, [INS Udaygiri](#) and [INS Himgiri](#)** have been commissioned, marking a significant step in India's naval modernization

- **Project 17A: P17A ships feature enhanced stealth capabilities compared to their predecessors P17 (Shivalik) class, with improvements in hull design and weapon systems.**
 - The seven ships under Project 17A, are [INS Nilgiri](#), INS Udaygiri, INS Himgiri, INS Taragiri, INS Mahendragiri, INS Dunagiri, and INS Vindhyagiri.
 - The Project 17A design incorporates 'State of the Art' weapons and sensors that include supersonic surface-to-surface missiles, medium-range surface-to-air missiles, and rapid-fire Close-in Weapon Systems.
 - These **multi-mission frigates** are designed to operate in a '**Blue Water**' environment, meaning they can handle both **conventional** and **non-conventional threats** within India's maritime interests.
 - An **Integrated Platform Management System (IPMS)** is also installed to optimize the ship's functionality and crew coordination.
 - The ships are configured with Combined Diesel or Gas (CODOG) main propulsion plants, comprising a Diesel Engine and Gas turbine, driving a Controllable Pitch Propeller (CPP) on each shaft.
- **INS Himgiri: First P-17A stealth frigate built by Garden Reach Shipbuilders & Engineers (GRSE).**
- **INS Udaygiri: Second P-17A stealth frigate built by Mazagon Dock Shipbuilders Ltd (MDL), also the 100th ship designed by Navy's Warship Design Bureau.**
- **Capabilities:** Equipped with **BrahMos missiles, Barak-8 missiles, LRSAM, torpedoes, rocket launchers, advanced radars, and Shakti Electronic Warfare Suite.**
- **Legacy names:** Both ships revive historic names of earlier **INS Udaygiri (1976)** and **INS Himgiri (1974)**, which played key roles in **Operation Pawan, Operation Cactus, Operation Sahayata** and others.
- **Project 17 Bravo (P-17B):** In 2024 the [Defence Acquisition Council](#) approved **Project 17 Bravo stealth frigates**, the next phase after the Project 17A.

Read more: [Project 17A Frigate Himgiri](#)