

INS Surat

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INS Surat Latest News

Warship JS Takanami (DD-110) of the Japan Maritime Self Defence Force (JMSDF) recently conducted joint naval activities with the Indian Navy warship INS Surat.

About INS Surat

- It is a state-of-the-art **stealth guided missile destroyer** of the Indian Navy.
- It is the **fourth and final vessel of the Visakhapatnam-class (Project 15B** Guided Missile Destroyer Project) destroyers.
- It was designed by the Navy's Warship Design Bureau and **built by Mazagon Dock Shipbuilders, Mumbai**. It has **75 percent Indigenous content**.
- It was **commissioned** into the Indian Navy in January **2025**.

INS Surat Features

- With a displacement of 7,400 tonnes and length of 164m, the INS Surat is among the largest destroyers in the world.
- **Stealth Design: Reduced radar cross-section** with X-band stealth hull; integrated mast for sensors.
- It is powered by a Combined Gas and Gas (COGAG) propulsion set comprising four gas turbines.
- It has a top speed of 30 knots (56 km/h) and carries 300 personnel (50 officers and 250 sailors). It has an endurance of 8,500 nautical miles.
- It is **India's first artificial intelligence-enabled warship**, utilizing indigenously developed AI solutions to enhance operational efficiency.
- **Armament:** 16 **BrahMos supersonic cruise missiles** (range 290-450 km), 32 **Barak-8 MR SAMs** (range 70 km), 2 twin torpedo tubes, 76mm SRGM gun, CIWS.
- **Aviation: Hangar for 2 ALH or 1 MH-60R helicopter;** enhanced deck for operations.

News: TOI

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