

Y 12704 (Visakhapatnam) ship

November 4, 2021

In news- Y 12704 ship has been delivered to the Indian Navy recently.

About the ship

- It is the **lead ship of Project 15B stealth guided missile destroyers.**
- It was **designed by the Directorate of Naval Design**, Indian Navy's in-house design organisation.
- It was **built by M/s Mazagon Dock Shipbuilders Ltd, Mumbai.**
- **The contract for four ships of Project 15B**, as the *Visakhapatnam* class ships are known, **was signed in 2011.**
- **The four ships are christened after major cities from all four corners of the country** viz. Visakhapatnam, Mormugao, Imphal and Surat.
- It is an inheritor to Project 15 and Project 15A, which gave the Navy, respectively, the advanced Delhi and Kolkata class of destroyers.
- This project is a follow-on of the Kolkata class (Project 15A) destroyers commissioned in the last decade.
- The keel of *Visakhapatnam* was laid in October 2013 and the ship was launched in April 2015.
- The design has largely maintained the hull form, propulsion machinery, many platform equipment and major weapons & sensors as the *Kolkata* class to benefit from series production.
- The ship is built with DMR-249A grade steel developed by the Defence Metallurgical Research Laboratory (DMRL) under the DRDO.

Key features of the ship

- The 163 metres long warship has a full load displacement of 7400 tonnes and maximum speed of 30 knots.
- The overall indigenous content of the project is approx. 75%.
- Apart from myriad indigenous equipment in the 'Float' and 'Move' categories, the destroyer is also **installed with major indigenous weapons which include:**
 - Medium Range Surface-to-Air Missiles (BEL, Bangalore).
 - BrahMos Surface-to-Surface Missiles (BrahMos Aerospace, New Delhi).
 - Indigenous Torpedo Tube Launchers (Larsen & Toubro, Mumbai).
 - Anti-Submarine Indigenous Rocket Launchers (Larsen & Toubro, Mumbai).
 - 76mm Super Rapid Gun Mount (BHEL, Haridwar).