

Abhay Anti-Submarine Warfare Shallow Water Craft (ASW SWC)

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About Abhay Anti-Submarine Warfare Shallow Water Craft (ASW SWC):

- It is **built by** India's leading shipbuilding and repairing company, **Garden Reach Shipbuilders & Engineers (GRSE)**.
- This vessel is the **seventh in an eight-ship ASW SWC series**, an initiative from a 2019 contract between the Ministry of Defence (MoD) and GRSE.
 - These ships are being designed with over **80 percent indigenous content**.
 - **Designed for anti-submarine operations** in coastal waters, these advanced craft are also capable of **Low-Intensity Maritime Operations (LIMO)** and **mine-laying activities**, enhancing the Navy's operational reach and defensive capabilities along India's coastlines.
 - These 77-meter-long, 10-meter-wide warships are engineered for powerful **subsurface surveillance** in coastal waters.

- They can **track various surface and underwater targets** and conduct **coordinated anti-submarine operations with aircraft**.
 - The ASW SWCs are **compact, waterjet-propelled vessels** capable of reaching speeds up to 25 knots, providing agility and swift response in tactical situations.
 - Equipped with an **advanced anti-submarine warfare suite**, these ships carry **lightweight torpedoes, ASW rockets**, and **mines**, making them formidable assets for coastal defence.
 - They are armed with a 30 mm Close-in Weapon System (CIWS) and 12.7 mm Stabilized Remote-Control Guns, ensuring a robust defence against aerial and surface threats.
 - The ships are fitted with a Hull-Mounted Sonar and Low-Frequency Variable Depth Sonar for comprehensive underwater surveillance, enhancing their detection and engagement capabilities in anti-submarine operations.
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Q1: What are torpedoes?

A torpedo is a type of missile or bomb fired underwater. Torpedoes are cigar-shaped projectiles that are used to attack other submarines or boats. The word torpedo comes from the name of a kind of electric ray that numbs you with its sting (torpediniformes). Torpedoes can also be used to attack a target on land.

Source: [Another milestone for Indian Navy: Seventh anti-submarine warfare shallow water craft launched](#)

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