

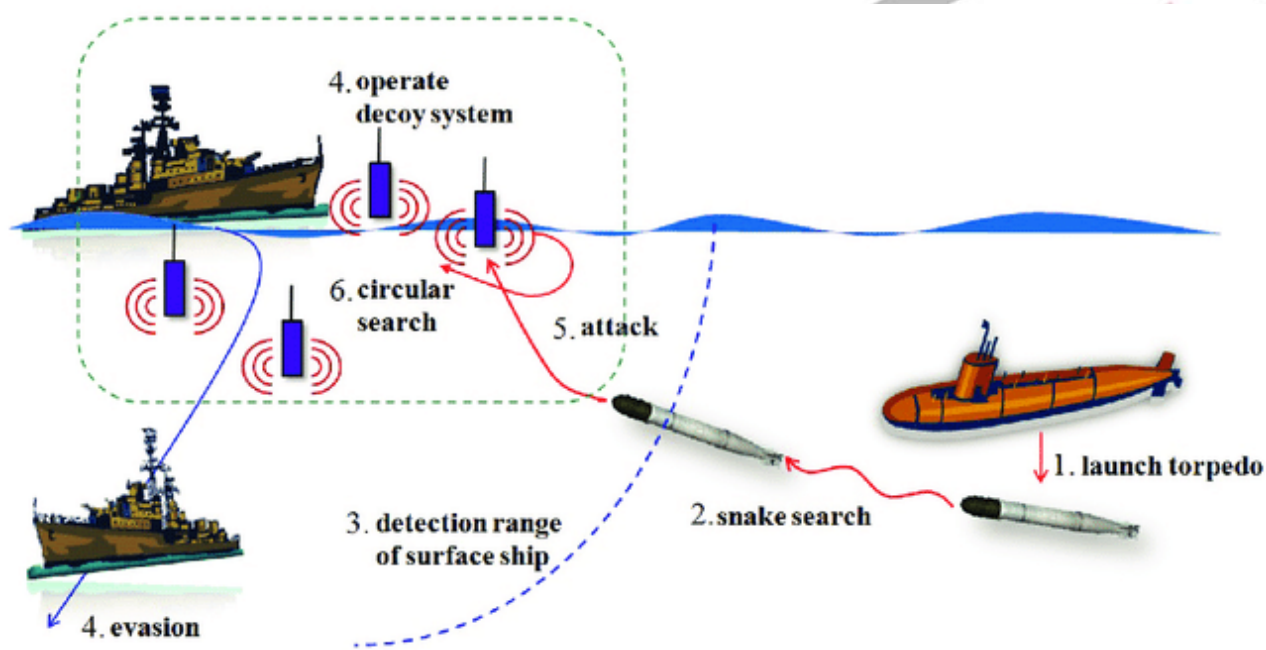


Advanced Torpedo Decoy System: Maareech

Why in News

The Indian Navy has inducted an **Advanced Torpedo Defence System (ATDS)** called '**Maareech**' that is capable of being fired from all frontline ships.

- Torpedoes are self propelled weapons with a warhead and can be used **under or on the water surface**. They are one of the mainstay of sea-warfare attack systems.



Key Points

- **Description:**
 - 'Maareech' has been designed and developed indigenously by the [Defence Research and Development Organization \(DRDO\)](#) and it is capable of detecting, locating and neutralizing incoming torpedoes.
 - Bharat Electronics Limited, a Defence PSU, would undertake the production of this decoy system.
- **Working:**
 - Maareech detects and locate the incoming torpedo and applies countermeasures to protect the naval platform against attack.
 - It **first detects and then confuses and divert** the torpedo attacks on ships from under the water.
 - By diverting the torpedoes' original course, it forces it to **lose its energy thus preventing it from being effective on target**.

▪ **Significance:**

- This induction not only stands testimony to the joint resolve of the Indian Navy and DRDO towards indigenous development of defence technology, but has also given a major fillip to the government's **'Make in India' initiative** and the country's resolve to become **'Atmanirbhar'** in niche technology.

Source: PIB

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