

EVERYDAY CURRENT AFFAIRS – JULY 08, 2025

DEFENCE

- **Extended Range Anti-Submarine Rocket (ERASR)**
- ✓ India has successfully completed the **user trials** of the **Extended Range Anti-Submarine Rocket (ERASR)**, a fully **indigenous weapon system** developed to detect and destroy enemy submarines.



- ✓ This achievement marks a **significant boost to the Indian Navy's underwater warfare strength**.
- ✓ This system was developed through close collaboration between the **DRDO**, the **Indian Navy**, and the **Indian defence industry**.

SCIENCE, TECHNOLOGY & ENVIRONMENT

- **Gaganyaan Propulsion System**
- ✓ On July 3, 2025, the Indian Space Research Organisation (ISRO) successfully carried out two hot tests of the Gaganyaan Service Module Propulsion System (SMPS) at its Propulsion Complex in Mahendragiri, Tamil Nadu.



- ✓ These tests mark a vital progression toward the realization of India's first crewed space mission, the Gaganyaan Programme.
- ✓ The Service Module Propulsion System (SMPS) is one of the core components of the Gaganyaan Orbital Module.
- ✓ It plays a crucial role in orbital maneuvers, trajectory corrections, and abort scenarios where crew safety is paramount.

IMPORTANT DAYS

- **World Bioproduct Day – July 07**
- ✓ On July 7, 2025, the world celebrated World Bioproduct Day, an event dedicated to spreading awareness about sustainable bioproducts.



- ✓ First observed in 2021, the day highlights eco-friendly innovations that support a greener future and climate action. Various countries, including India, took part in sharing progress, achievements, and new goals in the bioeconomy sector.
- ✓ India is fast becoming a leader in the bioeconomy. Its biotechnology sector is expected to cross \$130 billion by 2024.

