

Agni-5 Missile

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Agni-5 Missile Latest News

India successfully test-fired its intermediate-range ballistic missile Agni-5 from the Integrated Test Range at Chandipur, Odisha.

About Agni-5 Missile

- It is a **nuclear-capable land-based** Intercontinental Ballistic Missile (ICBM) with **Multiple Independently Targetable Reentry Vehicle (MIRV)** capability.
- It is developed by the **Defence Research and Development Organisation (DRDO)**.

Features of Agni-5 Missile

- **Range:** It is one of India's most advanced long-range missiles, capable of striking targets well **beyond 5,000 kilometers**
- It is designed with modern navigation, guidance, warhead, and engine technologies and strengthens India's strategic deterrence capability.

- **Warhead Capacity:** It is capable of carrying and firing up to three nuclear warheads simultaneously.

What is a Ballistic Missile?

- It is a **rocket-propelled, self-guided strategic-weapons system** that follows a ballistic trajectory to deliver a payload from its launch site to a predetermined target.
- They are powered initially by a rocket or series of rockets in stages, but then follow an unpowered trajectory that arches upwards before descending to reach its intended target.
- They can carry conventional high explosives as well as **chemical, biological, or nuclear munitions**.
- They can be launched from **aircraft, ships, and submarines**, in addition to land-based silos and mobile platforms.
- There are four general classifications of ballistic missiles based on their range, or the maximum distance the missile can travel:
 - **Short-range:** less than 1,000 kilometers (approximately 620 miles), also known as “tactical” ballistic missiles.
 - **Medium-range:** between 1,000 and 3,000 kilometers (approximately 620-1,860 miles), also known as “theater” ballistic missiles.
 - **Intermediate-range:** between 3,000 and 5,500 kilometers (approximately 1,860-3,410 miles)
 - **Long-range:** more than 5,500 kilometers (approximately 3,410 miles), also known as intercontinental or strategic ballistic missiles.

Source: TH

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