

Agni-Prime Missile

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Agni-Prime Missile Latest News

DRDO in collaboration with the Strategic Forces Command (SFC), has carried out the successful launch of Intermediate Range Agni-Prime Missile from a Rail based Mobile launcher system.

About Agni-Prime Missile

- Agni-P is a new generation **nuclear-capable medium-range ballistic missile** (MRBM).
- Agni Prime Ballistic Missile was **tested for the first time in June 2021**. It is lighter than any of the previous Agni missiles.
- **Features of Agni-Prime Missile**
 - It is a **two-stage** canisterised **solid propellant** ballistic missile.
 - This is a **surface-to-surface** ballistic missile
 - **Range:** 1000 to 2000 km.
 - **Payload:** Around 1,000 Kg (It can carry high explosive, thermobaric or nuclear warheads).

- It incorporates upgrades such as **propulsion systems**, composite rocket motor casings, and advanced navigation and guidance systems.
- Agni-Prime may be **launched by train or road and stored** for an extended period of time.
- Thus far, only **Russia, the US, China**, and possibly North Korea had the capability of launching long range ballistic missiles from rail-based platforms.
- Rail-based mobile launcher is a **first-of-its-kind capability for India**.
 - This launcher can seamlessly move across the rail network without any preconditions and offers cross-country mobility.
 - It is designed to deliver a **quick reaction time, operate with reduced visibility**, and is self-sustained with independent launch features
 - It also comes fitted with **advanced communication systems** and robust protection mechanisms, ensuring reliability even in high-threat environments.

Source: PIB

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