

Agni Prime missile

October 25, 2022

In news- India has successfully test-fired indigenously-developed new generation medium-range ballistic missile Agni Prime from the Odisha coast.

About the missile-

- The 10-meter-long missile with **flexi nozzles and composite motor can be fired from mobile launchers** and thus has a higher rate of survivability in the event of a worst-case scenario.
- The **nuclear-capable** missile has been designed and **developed by the Defence Research and Development Organisation (DRDO)**.
- The **surface-to-surface** ballistic missile has a **range of 1000 to 2000 km**.
- This is the third test of the **two-stage solid propellant** Agni Prime missile, which **has a dual redundant navigation and guidance system**.
- The Agni Prime missile, **the smallest and lightest among the entire Agni series** of ballistic missiles, will further bolster India's strategic deterrence capabilities once it is fully operational after a series of "developmental and user trials".
- After induction into Strategic Forces Command arsenal, the missile will become the prime deterrent in the 1000-2000 km range with Agni-5 providing the full cover to India against regional adversaries.



Agni-I	Agni-II	Agni-III	Agni-IV*
Class: SRBM	Class: IRBM	Class: IRBM	Class: Long-range
Length: 14.85 m	Length: 76 m	Length: 16.7 m	Length: 70m
Diameter: 1.30 m	Diameter: 1.30 m	Diameter: 2 m	Diameter: 1.30 m
Launch weight: 17,880 kg	Launch weight: 16,800 kg	Launch weight: 48,200 kg	Launch weight: 17,000 kg
Payload: 3,000 kg	Payload: 1,000 kg	Payload: 3,000 kg	Payload: 800-1,000 kg
Warhead: Nuclear capable	Warhead: Nuclear capable	Warhead: Nuclear capable	Warhead: Nuclear capable
Propulsion: Single-stage	Propulsion: Two-stage	Propulsion: Two-stage	Propulsion: Two-stage
Range: 700-1,200 km	Range: 2,000-3,500 km	Range: 3,500 km	Range: 2,500-3,500 km
Status: Operational	Status: Operational	Status: Operational	Status: Development

*Not for sale to Agni-3 Prime