



Agni-5 Missile

[Source: PIB](#)

India successfully test-fired **Agni-5**, a nuclear-capable [Intermediate-Range Ballistic Missile \(IRBM\)](#) to validate **operational and technical parameters** and maintain **credible minimum deterrence**.

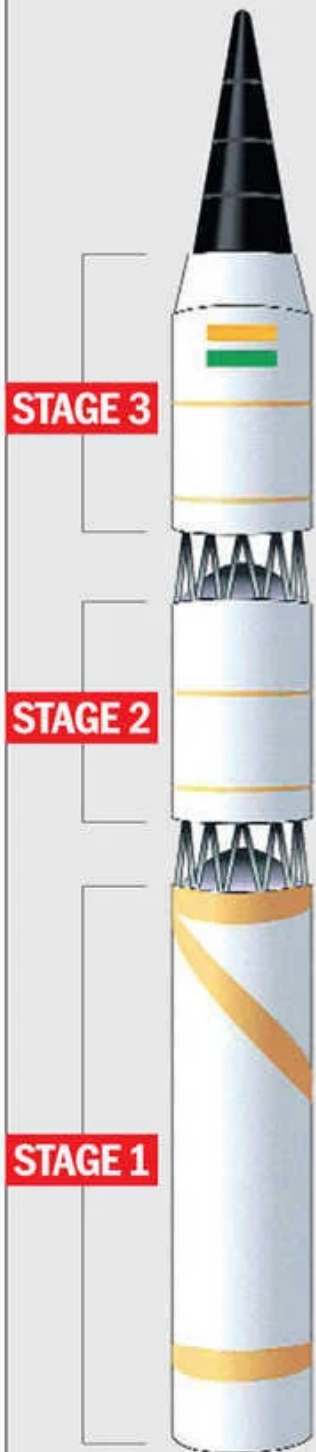
Agni-5 Missile

- **About:** It is an advanced **surface-to-surface ballistic missile (SSBM)** developed under India's [Integrated Guided Missile Development Programme \(IGMDP\)](#).
 - It is one of the five missiles developed under **IGMDP**, alongside **Prithvi, Trishul, Nag, and Akash**.
- **Range:** Around **5,000 km**.
- **Significance:** With its [Multiple Independently Targetable Reentry Vehicle \(MIRV\)](#) capable **IRBM** technology, Agni-5 places India among a select group of nations including the **USA, Russia, China, and France**.

Surface-to-Surface Ballistic Missiles (SSBMs)

- **About:** **SSBMs** are missiles **designed to be launched from the ground (or ships/submarines) to strike targets on land or at sea**.
 - SSBMs can be equipped with **conventional or nuclear warheads**.
- **Classification (Based on Range):**
 - **Short-Range Missiles (SRM):** Less than 1000 km
 - **Medium-Range Ballistic Missiles (MRBM):** 1,000–3,000 km
 - **Intermediate-Range Ballistic Missiles (IRBM):** 3,000–5,500 km
 - **Intercontinental Ballistic Missiles (ICBM):** Above 5,500 km

AGNI-V MISSILE



OPERATIONAL RANGE

5,500-8,000* km

WEIGHT

50,000 kg

SPEED

24 MACH

LENGTH

17.5 m

ENGINE

3 STAGE SOLID

DIAMETER

2 m

NUCLEAR WARHEAD

1,500 kg

TESTS CONDUCTED	AGNI-I	AGNI-II	AGNI-III	AGNI-IV
	APR 19, 2012	SEP 15, 2013	JAN 31, 2015	NOV 9, 2015
RANGE	700 km	2,000 km	3,500 km	4,000 km

*5,550 km with full payload of 1.5-tonne warhead, 8,000 km with a lighter warhead

ICBM ZONE Agni-V is classified as an inter-continental ballistic missile (ICBM), having a range of 5,500 km or more. The US, Russia, China, France and Israel already possess such missiles

Read More: [Agni-5 Ballistic Missile](#)

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