

# Missiles of India

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## Prithvi:

- It is a tactical **surface-to-surface short-range ballistic missile (SRBM)** developed by DRDO of India under the **Integrated Guided Missile Development Program (IGMDP)**.
- It is deployed by India's Strategic Forces Command.

## Agni:

- The Agni missile is a family of **medium to intercontinental range ballistic missiles**, named after one of the five elements of nature.
- Agni missiles are **long range, nuclear weapons capable surface to surface ballistic missile**.

## Aakash:

- It is a medium-range mobile **surface-to-air missile defence system** developed by the Defence Research and Development Organisation (DRDO), Ordnance Factories Board and Bharat Electronics Limited (BEL).
- The missile system can target aircraft up to **30 km away, at altitudes up to 18,000 m**.

## Trishul:

- It is a short range **surface-to-air missile**.
- **The range of the missile is 12 km and is fitted with a 15 kg warhead.** The weight of the missile is 130 kg.

## Nag:

- It is India's **third generation "Fire-and-forget" anti-tank missile**. It is all weather, top attack missile with a range of 3 to 7 km.
- Nag uses **Imaging Infra-Red (IIR) guidance** with day and

night capability.

- It can be mounted on an infantry vehicle; a helicopter launched version will also be available with integration work being carried out with the HAL Dhruv.

### **BrahMos:**

- It is a **short range ramjet supersonic cruise missile** that can be launched from submarines, ships, aircraft or land.
- It is a **joint venture between the Russia and India** who have together formed BrahMos Aerospace Private Limited. It is the world's fastest cruise missile in operation.
- The missile travels at speeds of **Mach 8 to 3.0** and has a **maximum range of 290 km**.

### **Nirbhay:**

- It is an **all-weather low-cost long-range nuclear warhead capable cruise missile with stealth and high accuracy**.
- The missile has a **range of more than 1000 km**. It weighs about one tonne and has a length of 6 metres.

### **Astra:**

- It is an active radar homing **beyond-visual-range air-to-air missile (BVRAAM)**.
- Astra is designed to be capable of engaging targets at varying range and altitudes allowing for engagement of both short-range targets (up to 20 km) and long-range targets (up to 80 km) using alternative propulsion modes.