

BrahMos Missile

The Brahmos Missile of the Indian Armed forces is a **supersonic cruise missile** developed by DRDO and Russia. Defence is an important and dynamic segment in [UPSC Syllabus](#). The commission has asked several questions related to the missile launch, its type, etc. In this article, we will discuss more about the BrahMos Missile and its features.

The syllabus of [UPSC Prelims](#) exam for general subjects like History, Geography, Economics, Polity, General sciences and [CSAT](#) (aptitude) is well defined. However, the [IAS Current affairs](#) segment which is undefined and dynamic is emerging as an unpredictable part of the UPSC exam. In this context, candidates have to concentrate on both the static and the current affairs areas.

What is BrahMos?

The BrahMos is a ramjet supersonic cruise missile of a short-range developed by [Defence Research and Development Organisation \(DRDO\)](#) and the **Russian Federation's NPO Mashinostroyeniya**.

BrahMos was named after two major rivers of India and Russia: **Brahmaputra** and **Moskva**.

The technology used in this joint venture is based on the Russian P-800 Oniks cruise missile and similar sea-skimming cruise missiles from Russia.

Technical Details of BrahMos

BrahMos is a medium-range **2 stage missile**. The propulsion of BrahMos can be explained as follows:

Stage 1	<ul style="list-style-type: none">• Solid Propellant Booster Engine• Is separated after it reaches MACH-1 or Supersonic speed
Stage 2	<ul style="list-style-type: none">• Liquid Ramjet Engine• Takes the missile close to MACH 3 in cruise phase

Special Features of BrahMos

- Stealth Technology
- Advanced guidance system
- High Target Accuracy (irrespective of weather conditions)
- Constant supersonic speed
- Operates on '*Fire and Forget*' Principle
- BrahMos can be launched from land, aircraft, ships and even submarines.
- One of the heaviest missiles, weighing up to 2.5 tonnes

Click on the link to get the [List Of Types Of Missiles In India](#)

UPSC Questions related to BrahMos

Is BrahMos the fastest missile?

- The BrahMos is a ramjet supersonic cruise missile of a short-range developed by (DRDO) and the Russian Federation's NPOM.
- It is the world's fastest anti-ship cruise missile in operation.
- The BrahMos can travel to speeds of MACH 2.8 to MACH 3.
- It has the capability to be upgraded to speeds of MACH 5 (Hypersonic).

Can BrahMos carry nuclear warhead?

With a carrying capacity of 250-300 kgs, the BrahMos missile is capable of carrying a regular warhead as well as a nuclear warhead.

Can BrahMos missile be intercepted?

Being the fastest mid-range missile and possessing stealth technology makes BrahMos extremely difficult to intercept.

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