

Ballistic Missile Defence (BMD) interceptor AD-1 missile

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About Ballistic Missile Defence (BMD) interceptor AD-1 missile:

- The AD-1 is a long-range interceptor missile designed for both low exo-atmospheric and endo-atmospheric interception of long-range ballistic missiles as well as aircraft.
- It is propelled by a two-stage solid motor and equipped with indigenously-developed advanced control system, navigation and guidance algorithm to precisely guide the vehicle to the target that move at very high speeds.
- The fully functional ballistic missile defence system contained high-power radars and could potentially protect large areas from the adversary missile or other air attacks.

Anti-ballistic missiles:

- The development of anti-ballistic missiles is said to have started by the DRDO around the 2000s in view of the development of ballistic assets by Pakistan and China.
- The phase-1 of the programme is said to have been completed towards the end of 2010s and consisted of the advanced air defence systems and air defence systems based on the Prithvi missile.
- The second phase, according to sources, focuses on the development of anti-ballistic defence systems like the US's Theatre High-Altitude Area Defence system, which can neutralise intermediate-range ballistic

missiles.

- The AD-II, which is capable of neutralising missiles of even higher ranges, is also said to be under development.

Source : Indian Express

Source: <https://vajiramandravi.com/current-affairs/ballistic-missile-defence-bmd-interceptor-ad-1-missile/>

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