

Medium Range Surface to Air Missile (MRSAM)

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In news

Recently, DRDO achieved a major milestone today with the maiden launch of Medium Range Surface to Air Missile (MRSAM)

About Medium Range Surface to Air Missile (MRSAM)

- Army version of MRSAM is a surface to Air Missile developed jointly by DRDO, India and Israel Aerospace Industries (IAI), Israel for use by the Indian Army.
 - Established in 1953 as Bedek Aviation Company – a governmental institute for aviation – Israel Aerospace Industries started out as an all-purpose service and supplies provider, specializing in air defense solutions
- MRSAM Army weapon system comprises Command post, Multi-Function Radar and Mobile Launcher system.
- MRSAM is a high response, quick reaction, vertically launched supersonic missile, designed to neutralize enemy aerial threats – missiles, aircraft, guided bombs, helicopters.
- It is used by the Army, Navy and Air Force as different variants.
- A contract for the MRSAM programme was signed in February 2009

How does a surface-to-air missile (SAM) work?

It is a missile designed to be launched from the ground to destroy aircraft or other missiles. It is one type of anti-aircraft system

About DRDO

- DRDO is the R&D wing of Ministry of Defence, Govt of India
- DRDO was formed in 1958 from the amalgamation of the then already functioning Technical Development Establishment (TDEs) of the Indian Army and the Directorate of Technical Development & Production (DTDP) with the Defence Science Organisation (DSO).
- DRDO was then a small organisation with 10 establishments or laboratories.
- Over the years, it has grown multi-directionally in terms of the variety of subject disciplines, number of laboratories, achievements and stature.

DRDO's pursuit of self-reliance and successful indigenous development and production of strategic systems and platforms such as Agni and Prithvi series of missiles; light combat aircraft, Tejas; multi-barrel rocket launcher, Pinaka; air defence system, Akash; a wide range of radars and electronic warfare systems; etc., have given quantum jump to India's military might, generating effective deterrence and providing crucial leverage.