

Pinaka missile system

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Source: *PIB & Army technology*

Pinaka Missile System developed by Defence Research and Development Organisation (DRDO) was successfully flight-tested from the Integrated Test Range, Chandipur off the Odisha coast

About Pinaka Missile

- The Pinaka MK-II Rocket is modified as a missile by integrating with the Navigation, Control and Guidance System to improve the end accuracy and enhance the range. The Navigation system of the missile is also aided by the Indian Regional Navigation Satellite System (IRNSS).
- The system has a maximum range of 40 km for Mark-I and 75 km for Mark-II
- Pinaka is a multibarrel rocket launch (MBRL) system used by the Indian Army. It was developed by the Defence Research and Development Organisation (DRDO). Pinaka integrates state-of-the-art technologies for delivering superior combat performance.
- Development of Pinaka commenced in 1986 at a Pune-based DRDO facility, known as Armament Research and Development Establishment (ARDE). DRDO was responsible for the overall design and development.

Current launch

- The mission achieved all the objectives including enhancing the range, accuracy, and sub-system functionality. The missile was fired from the Pinaka launcher system in the deployment configuration. The flight article was tracked by a multiple range of systems viz. Telemetry, Radars, Electro-optical

targeting system (EOTS), etc. which confirmed the textbook flight performance.

- The missile system has been jointly developed by various DRDO Laboratories viz.

1. Armament Research & Development Establishment (ARDE)
2. Research Centre Imarat (RCI)
3. Defence Research and Development Laboratory (DRDL)
4. Proof & Experimental Establishment (PXE) and
5. High Energy Materials Research Laboratory (HEMRL).