

# Pinaka Rocket Systems

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**In news**— Defence Research and Development Organisation (DRDO) and Indian Army have successfully flight-tested Pinaka Mk-I (Enhanced) Rocket System (EPRS) and Pinaka Area Denial Munition (ADM) rocket systems at Pokhran Firing Ranges recently.

## **Pinaka Mk-I EPRS & ADM-**

- The **EPRS is the upgraded version of the Pinaka variant which has been in service with the Indian Army** for the last decade.
- The system has been upgraded with advanced technologies enhancing the range to meet the emerging requirements.
- After establishing the performance efficacy of the enhanced range version of Pinaka, the technology was transferred to the industries viz. Munitions India Limited (MIL) and Economic Explosives Limited Nagpur.
- Different variants of munitions and fuzes which can be used in the Pinaka rocket system were also successfully test evaluated in the Pokhran Field Firing Range.
- Pinaka Area Denial Munition (ADM) variants of munition designed by the Armament Research and Development Establishment (ARDE), Pune for Pinaka and manufactured by the industry partners under technology transfer.

## **About Pinaka Rocket Systems-**

- Pinaka is a multiple rocket launcher developed by ARDE, Pune supported by High Energy Materials Research Laboratory, another Pune-based laboratory of DRDO for the Indian Army.
- The system has a maximum range of 40 km for Mark-I and 60 km for Mark-I enhanced version, and can fire a salvo of 12 HE rockets in 44 seconds.
- However, the range of the Pinaka Mk II missile is

estimated to be between 60 Km-75 Km.

- Pinaka Mark 2 manufactured by Solar Industries completed the User Assisted Technical Trial (USTT) in December 2021.
- Pinaka saw service during the Kargil War, where it was successful in neutralizing enemy positions on the mountain tops.
- It has since been inducted into the Indian Army in large numbers.
- Pinaka is a complete multi-barrel rocket launch system, each Pinaka battery consists of: six launcher vehicles, each with 12 rockets; six loader-replenishment vehicles; three replenishment vehicles; two Command Post vehicle (one stand by) with a Fire Control computer, and the DIGICORA MET radar.