



DRDO Conducted Weapon System Trials

Why in News?

The [Defence Research and Development Organisation \(DRDO\)](#) has reached a significant milestone by conducting successful trials of the [Man-Portable Anti-Tank Guided Missile \(MPATGM\) Weapon System](#).

- MPATGM which has a **range of 2.5 kilometers**, with **fire-and-forget** and top attack capabilities for infantry use.

Key Points

- The tests, conducted at the **Pokhran Field Firing Range (PFFR)** in Rajasthan, showcased the impressive performance of the MPATGM in front of the user team.
- Created and produced in India by DRDO, the MPATGM Weapon System includes the MPATGM, Man Portable Launcher, **Target Acquisition System (TAS)**, and **Fire Control Unit (FCU)**.
- The testing has proven that the system can function within the full operational specifications outlined by the Indian Army's **General Staff Qualitative Requirements (GSQR)**.
 - The completion of penetration trials for the **Tandem Warhead System of the MPATGM** demonstrates its ability to defeat modern armor-protected Main Battle Tanks.
 - With day/night and top attack capabilities, this **Anti-Tank Guided Missile system** features a dual-mode seeker for increased effectiveness in tank warfare situations.
- The successful trials were a crucial stride towards realizing the vision of ['Atmanirbhar Bharat'](#) (self-reliant India).

Defence Research & Development Organisation

- It is the **Research & Development wing of the Ministry of Defence, Government of India**, with a vision **to empower India with cutting-edge defence technologies**.
- It was **established in 1958** after combining the Technical Development Establishment (TDEs) of the Indian Army and the Directorate of Technical Development & Production (DTDP) with the Defence Science Organisation (DSO).