

DRDO SUCCESSFULLY FLIGHT-TESTS QRSAM

Prelims: Science & Technology- Defence Technology

Mains: GS-III- Science and Technology - developments and their applications and effects in everyday life Achievements of Indians in science & technology; indigenization of technology and developing new technology.

Why in News?

- ▶ Defence Research Development Organisation (DRDO) today successfully flight-tested its state-of-the-art Quick Reaction Surface-to-Air Missiles (QRSAM) against live aerial targets from Integrated Test Range (ITR), Chandipur.

QRSAM:

- ▶ Quick Reaction Surface to Air Missile (QRSAM), with a strike range of 25 km, is being developed by the DRDO for the Indian Army.
- ▶ The all-terrain and all-weather missile with electronic counter-measures against jamming by enemy aircraft can be mounted on a truck and stored in a canister.
- ▶ Before this test, on February 26, two rounds of tests were successfully carried out.
- ▶ This missile can be rotated 360 degree while on the way to its target.
- ▶ QRSAM is also able to use as an anti-sea skimmer from a ship against low flying attacking missiles. QRSAM employs dual thrust propulsion stage using high-energy solid propellant.

QRSAM Test:

- ▶ DRDO conducted two different tests for different altitude and conditions. DRDO closely observed both tests and found that flights successfully demonstrated the Aerodynamics, high manoeuvring capabilities, Robust Control, Structural performance and Propulsion thus proving the design configuration.
- ▶ Electro-Optical Systems, Radars, Telemetry and other equipment have monitored and tracked the missiles through the entire flights. DRDO announced that all the mission objectives have been met.