Quick Reaction Surface to Air Missile successfully flight-tested

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Quick Reaction Surface to Air Missile (QRSAM) system developed by Defence Research and Development Organisation (DRDO) was successfully flight-tested from Integrated Test Range, Chandipur off the Odisha coast. The missile was flight-tested with full configuration in deployment mode intercepting the target mid-air, meeting the mission objectives. The entire event was monitored by Ground Telemetry Systems, Range Radar Systems, Electro optical Tracking System etc.

The QRSAM weapon system, which operates on the move, comprises of fully automated Command and Control System, Active Array Battery Surveillance Radar, Active Array Battery Multifunction Radar and Launcher. Both radars are four-walled having 360-degree coverage with search on move and track on move capability. The system is compact with minimum number of vehicles for a firing unit. Single stage solid propelled missile has midcourse inertial navigation system with two-way data link and terminal active seeker developed indigenously by DRDO. The missile successfully engaged the aerial target establishing its capability. Director General (Missiles and Strategic Systems) Shri MSR Prasad was present during the trial.

With this mission, the developmental trials of the weapon system are successfully completed and the weapon system is expected to be ready for induction by 2021.

About QRSAM

- This missile is an all-weather, all-terrain surface-to-air missile equipped with electronic counter measures against jamming by aircraft radars. The missile can be mounted on a truck and is stored in a canister.
- QRSAM uses solid-fuel propellant and has a range of 25-30 km. The single-staged missile utilized by the system is propelled using solid propellants. The missile is equipped with a midcourse inertial navigation system with a two-way data link and a DRDO-developed terminal active seeker. The system has the capability to search and track targets while moving.
- QRSAM is a compact weapon system and is mobile. It is composed of a fully automated Command and Control System, an Active Array Battery Surveillance Radar, an Active Array Battery Multifunction Radar and Launcher. Both of these radars are four-walled and encompass 360-degree coverage.
- The first test firing of the missile took place on 4 June 2017. This was the seventh test of this series which included two firings of the missile. With this test, the developments of these missiles are declared completed.