

DRDO carries out successful demonstration of Solid Fuel Ducted Ramjet technology

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Defence Research & Development Organisation (DRDO) has carried out successful demonstration of Solid Fuel Ducted Ramjet (SFDR) technology from the Integrated Test Range (ITR), Chandipur off the coast of Odisha at around 1045 hrs on February 03, 2026. The successful demonstration places India into an elite league of nations possessing this technology that enables developing long-range air-to-air missiles to give tactical edge over the adversaries.



All the subsystems including Nozzle-less Booster, Solid Fuel Ducted Ramjet motor and Fuel Flow Controller performed as per expectations after being initially propelled by a ground booster motor to the desired Mach Number. The performance of the system was confirmed by the flight data captured by a number of tracking instruments deployed by ITR, Chandipur along the coast of Bay of Bengal. The launch was monitored by senior scientists from various laboratories of DRDO including Defence Research & Development Laboratory, High Energy Materials Research Laboratory, Research Centre Imarat and ITR.

Raksha Mantri Shri Rajnath Singh complimented DRDO, and Industry on the successful demonstration of SFDR technology.

Secretary, Department of Defence R&D & Chairman DRDO Dr Samir V Kamat congratulated all the teams involved in the successful flight test.

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