



Vertical Launch Short Range Surface to Air Missile: DRDO

Why in News

The [Vertical Launch Short Range Surface to Air Missile \(VL-SRSAM\)](#) was successfully flight tested by the [Defence Research & Development Organization \(DRDO\)](#) for the second consecutive time since February this year.

- It was launched from the **Integrated Test Range** at **Chandipur**.



Key Points

▪ About the VL-SRSAM:

- It is a **quick reaction surface-to-air-missile** indigenously designed and developed by DRDO for the [Indian Navy](#), is **meant for neutralising various aerial threats at close ranges, including sea-skimming targets**.
- The missile has an **operational range of 50 to km distance and features mid course inertial guidance through fiber optic gyroscope** and active radar homing in terminal phase
- The launch of the system was **conducted to validate integrated operation of all weapon system components**, including the vertical launcher unit with controller, canisterised flight vehicle and weapon control system.
 - The successful testing of these systems is crucial for future launches of the missile from [Indian Naval](#) ships.
- It will **further boost the defence capability of Indian Naval Ships against aerial threats**. It has also paved the way for integration of weapon systems onboard the Indian naval ships.

▪ Developed By:

- The key DRDO facilities that contributed to the development of the system are the **Defence Research and Development Laboratory (DRDL)** and **Research Centre Imarat (RCI)**, both from Hyderabad, and **Research & Development Establishment (Engineers)**, based at Pune.

Defence Research & Development Organization:

- It is the Research & Development wing of the **Ministry of Defence**, 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 Organization (DSO)**.

[Source: IE](#)

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