



KAMARAJ IAS ACADEMY
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Pralay Missile

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Why in news: The Defence Research and Development Organisation (DRDO) successfully conducted a **salvo launch of two Pralay missiles in quick succession from the same launcher** off the Odisha coast. This marked a crucial milestone in **user evaluation trials**, validating operational readiness and battlefield deployment capability.

What is the Pralay Missile?

1 **Pralay** is an **indigenously developed, solid-propellant, quasi-ballistic surface-to-surface missile**.

2 It is designed for **high-precision conventional strikes** against a wide range of tactical and strategic battlefield targets.

3 Developed by **DRDO** for deployment by the **Indian Army and Indian Air Force**.

Aim and Strategic Role

1 To provide India with a **rapid-response, high-accuracy conventional strike capability** below the nuclear threshold.

2 To strengthen **tactical deterrence**, especially in scenarios requiring swift retaliation without escalation to nuclear conflict.

3 To enhance **battlefield dominance** through precision strikes against enemy infrastructure, command centres and logistics hubs.

Key Features

1 **Quasi-ballistic trajectory:** Follows a depressed, manoeuvrable flight path, making interception difficult for enemy air defence systems.

2 **Range:** Approximately **150 km to 500 km**, covering critical tactical depth.

3 **Solid propellant:** Ensures **quick launch readiness**, reduced reaction time and high reliability.

4 **Advanced guidance and navigation:** Enables **high accuracy and precision** across varied target profiles.

5 **Multiple warhead capability:** Can carry different types of **conventional warheads** for diverse mission requirements.

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6Salvo launch capability: Multiple missiles can be fired rapidly from the **same launcher**, enabling **saturation attacks** and overwhelming enemy defences.

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