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# Successful training launch of Short-Range Ballistic Missile, Prithvi-II

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**Why is in news?** Successful training launch of Short-Range Ballistic Missile, Prithvi-II, carried out off Odisha coast

A successful training launch of a Short-Range Ballistic Missile, Prithvi-II was carried out on January 10, 2023 from the Integrated Test Range, Chandipur off the coast of Odisha.

A well-established system, Prithvi-II missile, has been an **integral part of India's nuclear deterrence**. The missile struck its target with high accuracy. The user training launch successfully validated all operational and technical parameters of the missile.

Prithvi-II is an indigenously developed **Surface-to-Surface Missile Short-Range Ballistic Missile (SRBM)**, which has a **range of around 250 km-350km** and can carry a one tonne payload.

Prithvi II class is a **single-stage liquid-fuelled missile** that has warhead mounting capability of 500 kg-1000kg.

The state-of-the-art missile uses an **advanced inertial guidance system** with manoeuvring trajectory to hit its target.

It was initially developed for the **Indian Air Force** as its primary user and was later inducted into the Indian Army as well.

While the missile was inducted into India's Strategic Forces Command for the first time in **2003**, it was the first missile developed under the IGMDP.

Developed by: Defence Research and Development Organisation (DRDO) of India under its **Integrated Guided Missile Development Programme (IGMDP)**.

What are the Prithvi Missiles?

The Prithvi missile system comprises various tactical Surface - to - Surface Short-Range Ballistic Missiles (SRBM).

Its development began in 1983, and it was **India's first indigenous ballistic missile**.

It was first test-fired in 1988, from Sriharikota, SHAR Centre.

It has a **range of from 150 to 300 km**.

The naval variant of Prithvi I and Prithvi III class missiles have the code-name Dhanush.

Integrated Guided Missile Development Programme (IGMDP):

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IGMDP was an Indian Ministry of Defence programme to research and develop a comprehensive range of missiles.

The project started in **1982–1983** under the **leadership of Dr APJ Abdul Kalam**. This Programme made Dr APJ Abdul Kalam the missile man of India.

The integrated guided missile programme was complete in, 2008.

**Five Missiles Developed under the IGMDP:**

**PRITHVI** (Short range surface-to-surface ballistic missile)

**AGNI** (Medium to intercontinental surface-to-surface missile)

**TRISHUL** (Short range low-level surface-to-air missile)

**AKASH** (Surface-to-air missile having a range of up to 25 Km and multi-target handling system)

**NAG** (Third generation “fire & forget”, “top attack” anti-tank missile)