

Akash-NG Missile System

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Akash-NG Missile System Latest News

The Defence Research and Development Organisation (DRDO) has successfully completed the User Evaluation Trials of the Next Generation Akash missile (Akash-NG) system recently.

About Akash-NG Missile System

- Akash Next Generation (Akash-NG) is a state-of-the-art **surface-to-air missile (SAM) defence system**.
- It was **developed** by the **Defence Research and Development Organisation (DRDO)** and **produced by Bharat Dynamics Limited (BDL)**.
- It is designed to protect vulnerable areas and points from air attacks.
- It **succeeds** the **original Akash missile system**, which has been **operational** with the **Indian Air Force since 2014 and the Army since 2015**.

Akash-NG Missile System Features

- The next-generation variant is **lighter**, weighing approximately 350 kilograms compared to the original's 720 kilograms.
- It consists of several advanced features, including an **indigenous Radio Frequency (RF) seeker, dual-pulse solid rocket motor**, and **fully homegrown radars and Command, Control, and Communication (C2) systems**.
- These features enable the system to detect and engage high-speed, low-altitude, and long-range high-altitude targets with high precision.
- It is designed to **engage multiple targets simultaneously**, with a **range** of up to **30 km** and an **altitude of 18 km**.
- It has the ability to **engage up to 10 targets** simultaneously, with a firing rate of one missile every 10 seconds.
- The system can also be **deployed in various configurations**, including **mobile and fixed installations**.

Source: NOA

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