



KAMARAJ IAS ACADEMY
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Pinaka Long Range Guided Rocket (LRGR-120)

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Why in news: India successfully conducted the **maiden flight test** of the **indigenously developed Pinaka Long Range Guided Rocket (LRGR-120)**, significantly enhancing the **precision-strike capability** of the Indian Army's artillery.

About Pinaka LRGR-120

- **Type:** Long-range **guided rocket**
- **Strike Range:** ~120 km
- **Developer:** DRDO (ARDE) with Indian industry partners
- **Purpose:** High-accuracy, long-range artillery strikes



Key Features

- **Guided rocket system** with:
- **Inertial Navigation System (INS)**
- **Mid-course guidance updates**
- **Terminal guidance** for high precision
- **High accuracy** compared to unguided rockets.
- **Launcher compatibility:**
- Fired from **existing Pinaka launchers**, enabling **cost-effective upgradation** without new platforms.
- **Force multiplier:** Enhances stand-off strike capability and reduces collateral damage.

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