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Pinaka Extended Range Rocket System

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Pinaka Extended Range Rocket System

Recently, the **DRDO (Defence Research and Development Organization)** successfully test fired the **Pinaka Extended Range (Pinaka-ER) Multiple Launch Rocket System (MLRS)**.

- Earlier, the DRDO also launched the **Supersonic Missile Assisted Torpedo System (SMART)**.

Key Points

About:

- The Pinaka, a **Multi-Barrel Rocket-Launcher (MBRL) system** named after Shiva's bow, can fire a salvo of **12 rockets over a period of 44 seconds**.
- The **new version is equipped with advanced technology to enhance its strength**. The metal **weight is lesser** compared to the earlier version.
- The newly tested system can achieve **a range of up to 45km which is a big feat** for the **Indian Army**.
 - The **existing Pinaka system**, which is already in the Army, has a range of up to **35-37km**.
- **Significance:**
 - The **new incarnation of pinaka represents one of the few examples of an evolutionary process** being followed with an indigenous Indian weapon system.