Successful Phase-II Ballistic Missile Defence System Test

Source: TH

The **Defence Research and Development Organisation (DRDO)** has successfully tested its **Phase-II Ballistic Missile Defence (BMD) system**, showcasing India's advanced capabilities in defending against **long-range ballistic missile threats.**

- The Phase-II system can intercept ballistic missiles with a **range of up to 5,000 km**, enhancing India’s strategic defence.
    - Phase-I BMD, capable of intercepting missiles with **ranges up to 2,000 km,** has already been deployed.
- The Phase-II missile is a two-stage, solid-propelled, ground-launched system designed for endo to low exo-atmospheric interception.
    - The test demonstrated a network-centric warfare weapon system, including long-range sensors, low-latency communication, and advanced interceptor missiles.
- The **Indian Ballistic Missile Defence (BMD) Programme**, initiated in 2000 after the **Kargil War,** aims to protect India from missile threats, particularly from Pakistan and China.
    - It employs a multi-layered approach with interceptor missiles like **Prithvi Air Defence** and **Advanced Air Defence.** Recent efforts focus on enhancing capabilities through global cooperation and acquiring systems like the **Russian S-400 Triumf.**
    - The DRDO is developing an indigenous multi-tier network to counter missiles with ranges of up to 2000 km and 5000 km in Phases 1 and 2, respectively.
        - The network includes surveillance radars for the detection and tracking of incoming missiles.
- **Ballistic missiles of India are Agni, K-4 (SLBM), Prahaar, Dhanush, Prithvi** and **Trishul**.

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