



DRDO & Research & Development:

DRDO & Research and Development (July 6, 2025)

The Defence Research and Development Organisation (DRDO) has been active with several key developments in July 2025. One of the most significant recent events was the successful conduct of two consecutive flight tests of the Pralay missile. These tests, which took place on July 28 and 29 from Dr. APJ Abdul Kalam Island, were part of user evaluation trials to validate the missile's range capabilities. The indigenously developed Pralay is a solid propellant, surface-to-surface, quasi-ballistic missile that can carry various warheads and is designed for tactical battlefield use.

Other notable developments include:

The inauguration of the Quantum Technology Research Centre (QTRC) by the DRDO to bolster indigenous quantum capabilities for strategic and defence applications.

The development of India's first moored autonomous underwater sonar system by the Naval Physical and Oceanographic Laboratory (NPOL), with successful trials completed in the Bay of Bengal.

The development of a cost-effective, advanced Carbon Fibre Foot Prosthesis in collaboration with AIIMS Bibinagar, a 'Make-in-India' initiative.

These developments highlight the DRDO's focus on "Aatmanirbhar Bharat" (self-reliant India) by developing advanced indigenous technologies across different domains of defence.

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MCQS

1. Which missile, tested by the DRDO in July 2025, is a solid propellant, surface-to-surface, quasi-ballistic missile?

- A. Agni-V
- B. Prithvi-II
- C. Akash-NG
- D. Pralay

Answer: D. Pralay

The news states that the DRDO successfully conducted flight tests of the "Pralay missile" which is an "indigenously-developed solid propellant quasi-ballistic missile."

2. The DRDO, in partnership with which organization, unveiled a 'Make-in-India' cost-effective advanced Carbon Fibre Foot Prosthesis?

- A. IIT Delhi
- B. AIIMS Bibinagar
- C. Bharat Electronics Ltd (BEL)
- D. Naval Physical and Oceanographic Laboratory (NPOL)

Answer: B. AIIMS Bibinagar

The summary mentions, "DRDO & AIIMS Bibinagar unveil first Make-in-India cost-effective advanced Carbon Fibre Foot Prosthesis" as a recent development.

3. What is the purpose of the new Quantum Technology Research Centre (QTRC) inaugurated by the DRDO?

- A. To develop advanced missile guidance systems.
- B. To research new materials for military aircraft.
- C. To bolster indigenous quantum capabilities for strategic and defence applications.
- D. To enhance the cybersecurity of military networks.

Answer: C. To bolster indigenous quantum capabilities for strategic and defence applications.

The text directly states the QTRC was inaugurated to "further bolster indigenous quantum capabilities for strategic & defence applications."

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