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Defence news

India's Defence Sector Developments

Indigenous Engine Progress: The Defence Research and Development Organisation (DRDO) has confirmed that its indigenous Kaveri engine will soon be tested on a manned aircraft, specifically the Light Combat Aircraft (LCA) Tejas. This is a significant step toward validating the engine's performance and achieving self-reliance in aerospace technology.

Engine Co-Development: India's Gas Turbine Research Establishment (GTRE) has officially selected French aerospace company Safran to co-develop a next-generation 120 kN thrust engine for the Advanced Medium Combat Aircraft (AMCA). The collaboration is valued at approximately \$7 billion and aims to accelerate India's advanced aero-engine ambitions.

New Anti-Satellite (ASAT) System: The Ministry of Defence (MoD) is preparing to integrate its tested and validated ASAT missile system into the "Sudarshan Chakra Sky Shield." This move will enhance India's offensive space capabilities, allowing it to disrupt adversaries' satellite surveillance of Indian Air Force bases.

Border Surveillance: The Indian Army is set to deploy 5,000 tethered drones to enhance border security across various terrains, including high-altitude mountainous regions, deserts, and coastal areas. This initiative will provide tactical commanders with advanced, beyond-line-of-sight surveillance.

Upgrades for T-90 Tanks: To counter evolving armour technologies, the Indian Army is planning to upgrade its fleet of T-90 main battle

tanks. The upgrade will include a new gun system to fire next-generation ammunition with a higher penetration depth.

International Defence & Military Events

India-EU Cooperation: India and the European Union are working on a "Security of Information Agreement" and other frameworks to deepen defence cooperation. The goal is to jointly develop military equipment and technology, including in areas like artificial intelligence (AI) and cybersecurity.

UK Defence Exhibition: The Defence and Security Equipment International (DSEI) trade exhibition is set to begin in London, serving as a platform for global defence collaboration. An Indian delegation organized by the Society of Indian Defence Manufacturers (SIDM) will attend to engage with UK government officials and industry leaders.

Multilateral Military Exercise: The Indian Army, Navy, and Air Force are participating in Exercise Bright Star 2025, a multilateral tri-service exercise in Egypt, alongside the United States and other nations. The exercise focuses on joint planning, operational coordination, and live-fire drills.

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MCQS

1. On which aircraft is the DRDO's indigenous Kaveri engine set to be tested?

- A) Advanced Medium Combat Aircraft (AMCA)
- B) Mirage 2000
- C) Light Combat Aircraft (LCA) Tejas
- D) Sukhoi Su-30MKI

Answer: C) Light Combat Aircraft (LCA) Tejas

The text states, "The Defence Research and Development Organisation (DRDO) has confirmed that its indigenous Kaveri engine will soon be tested

on a manned aircraft, specifically the Light Combat Aircraft (LCA) Tejas."

2. Which foreign company is collaborating with India's GTRE to co-develop a next-generation engine for the AMCA?

- A) Boeing (USA)
- B) Rolls-Royce (UK)
- C) Safran (France)
- D) Rosoboronexport (Russia)

Answer: C) Safran (France)

The article says, "India's Gas Turbine Research Establishment (GTRE) has officially selected French aerospace company Safran to co-develop a next-generation... engine for the Advanced Medium Combat Aircraft (AMCA)."

3. What is the "Sudarshan Chakra Sky Shield" being enhanced with?

- A) New radar systems
- B) A fleet of 5,000 tethered drones
- C) An Anti-Satellite (ASAT) missile system
- D) Upgraded T-90 tanks

Answer: C) An Anti-Satellite (ASAT) missile system

The text explains that the Ministry of Defence "is preparing to integrate its tested and validated ASAT missile system into the 'Sudarshan Chakra Sky Shield.'"

4. What is the purpose of the Indian Army's planned deployment of 5,000 tethered drones?

- A) To transport supplies to troops.
- B) To provide advanced, beyond-line-of-sight surveillance.
- C) To launch offensive strikes.
- D) To assist in medical evacuations.

Answer: B) To provide advanced, beyond-line-of-sight surveillance.





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The article notes that the deployment of drones "will provide tactical commanders with advanced, beyond-line-of-sight surveillance."

5.What is the name of the multilateral tri-service exercise in which the Indian Armed Forces are participating in Egypt?

- A) Exercise Red Flag
- B) Exercise Malabar
- C) Exercise Bright Star 2025
- D) Exercise Cobra Warrior

Answer: C) Exercise Bright Star 2025

The text states that the Indian Army, Navy, and Air Force are participating in "Exercise Bright Star 2025... in Egypt."



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