

Daily Defence Current Affairs

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Defence Ministry Issues RFP for AMCA

- Defence Ministry issued the Request for Proposal (RFP) for the mega indigenous fifth-generation Advanced Medium Combat Aircraft project to the three shortlisted bidders, including **Larsen and Toubro-Bharat Electronics Limited, Tata Advanced Systems and Bharat Forge-BEML**.
- Bharat is looking towards enhancing its indigenous defence capabilities, and last year, Defence Minister Rajnath Singh approved the Advanced Medium Combat Aircraft (AMCA) Programme Execution Model. The Aeronautical Development Agency will execute the programme through an industry partnership.
- The Execution Model approach provided equal opportunities to both private and public sectors on a competitive basis.
- The total outlay for the AMCA programme is around Rs 15,000 crore, and the Core Integration & Flight Testing Centre of Aeronautical Development Agency, an affiliate organisation of DRDO, is a vital component of the project. The facility is being established at a cost of about Rs 2,000 crore.
- Meanwhile, a full-scale model of India's first 5.5 Gen stealth aircraft, Advanced Medium Combat Aircraft (AMCA), equipped with cutting-edge features were showcased at the India Pavilion at Aero India 2025 in February 2025.



Amit Shah Chaired Security Review Meeting In Bikaner

- Amit Shah, chaired a high-level security review meeting in Bikaner, Rajasthan, to comprehensively assess security-related issues concerning the border districts along the Indo-Pakistan Border (IPB).
- The Meeting focused on enhanced and comprehensive border management with greater coordination of the State Government.
- During the meeting, it was decided to formulate a 360-degree security framework for every border district. This integrated approach will actively involve local citizens, the State Government machinery, and all security agencies concerned to ensure comprehensive and robust border management.
- Union Home Minister Amit Shah stressed the need for strict enforcement of a zero-tolerance policy against illegal constructions, particularly within 0-15 km of the international border. He directed the concerned authorities to demolish all such unauthorized constructions.
- Amit Shah emphasized on a coordinated border management strategy involving the Border Security Force (BSF), Central Board of Direct Taxes (CBDT), Narcotics Control Bureau (NCB), and the State Government machinery to effectively address infiltration, narcotics smuggling, encroachment, terror financing, and other trans-border crimes.
- Union Home Minister directed District Magistrates to assume enhanced responsibilities, including ensuring full legal and financial compliance by all banks, verification of major business establishments, scrutiny of their funding sources, tracking of mule accounts and shell companies, identification of fake Aadhaar cards, and prevention of smuggling.



IGoM on West Asia reviews Availability Of Essential Commodities

- The Informal Group of Ministers (IGoM) on West Asia, headed by Raksha Mantri Shri Rajnath Singh, reviewed the evolving situation in the conflict and assessed India's preparedness & response measures during its sixth meeting at Kartavya Bhawan-2, New Delhi on May 27, 2026.
- The IGoM took stock of the availability of essential commodities and the resilience of the supply chains of the country. Raksha Mantri stated that the supply situation in the country today is normal, adding that the citizens should avoid panic purchases of petrol, diesel and LPG as the Government is leaving no stone unturned to ensure the availability of all essential items.
- The IGoM was apprised that supplies of petrol and diesel across the country remain fully adequate. India is the world's fourth largest refiner, with installed capacity of 258.1 MTPA against domestic consumption of 243.2 MT in the last completed financial year, and exports approximately 61.5 MT of petroleum products annually. There is no supply gap.
- The IGoM was informed that the overall stock position of fertilizers in the country is comfortable. For Kharif 2026, the fertiliser requirement has been assessed by the Department of Agriculture & Farmers Welfare at 390.54 LMT, and as on today, it is around 200.47 LMT (more than 51%), significantly higher than the usual level of about 33%.



ICG Conducts Anti-Smuggling Operation

- ICG successfully seized approximately 115 kg of Cocaine during a joint intelligence-based anti-smuggling operation conducted in coordination with Anti-Terrorism Squad (ATS) Gujarat from May 25-26, 2026 off the Mundra coast in Gujarat.

- The estimated international market value of the seized narcotics is approximately INR 1150 crore as per open-source assessments.
- Acting on specific and actionable intelligence shared by ATS Gujarat, ICG Interceptor Boats, with ATS personnel embarked onboard, undertook an extensive search operation in the Mundra anchorage area.
- Upon examination, the bags were found to contain packets of white powdery substance, which tested positive for Cocaine. A total of 115 packets, weighing approximately one kilogram each, with an overall contraband weight of around 115 kg, were seized during the operation.
- This was the 15th successful anti-narcotics operation jointly undertaken by ICG & ATS in the last five years, reaffirming their unwavering commitment towards strengthening maritime security and achieving the national vision of a “Nasha Mukta Bharat”.



DRDO Scientists Crack Gallium Nitride Chip Technology

- India has quietly joined an elite group of just seven nations to master Gallium Nitride (GaN) chip technology, a breakthrough achieved by DRDO scientists led by Dr. Meena Mishra.
- This milestone strengthens India’s self-reliance in advanced radar and electronic warfare systems, marking a decisive step in the Aatmanirbhar Bharat initiative.
- India’s achievement in developing indigenous GaN chips is a landmark in defence technology. These chips are critical for modern radar, communication, and electronic warfare systems, particularly those mounted on advanced fighter aircraft.

- Unlike traditional silicon chips, GaN semiconductors deliver superior performance at high frequencies, voltages, and temperatures, making them indispensable for next-generation military platforms.
- The breakthrough was achieved by the Defence Research and Development Organisation (DRDO), specifically at its Solid State Physics Laboratory in Delhi and supporting facilities in Hyderabad.
- The effort focused on producing GaN monolithic microwave integrated circuits (MMICs), which are tiny yet powerful chips designed to withstand extreme operational stress.
- Prototype devices were built around March 2023 and rigorously tested in clean-room environments against defence performance requirements, all within domestic facilities without external technology transfer.
- This success was partly driven by necessity. India had sought GaN chip technology as part of the Rafale fighter jet deal, but France refused to transfer it under the offset clause. That denial became a catalyst, motivating DRDO scientists to master the technology independently.
- GaN chips are far superior to Gallium Arsenide (GaAs) semiconductors, which India had previously used in systems like the Uttam AESA radar.
- While GaAs is effective for moderate power applications, GaN offers higher electron mobility, enabling devices to operate at extreme temperatures—up to 1,000 degrees Celsius—and switch power hundreds of times faster than silicon.
- The strategic implications are profound. Indigenous GaN technology will allow India to upgrade its radar systems, enhance long-range air surveillance, and integrate advanced chips into next-generation fighters and weaponry. It also ensures that India is no longer dependent on foreign suppliers for a technology that is central to modern combat effectiveness.



L&T Successfully Completes Phase-1 Flight Trials of High Altitude VTOL UAV

- L&T's **High Altitude VTOL UAV program** has gained further momentum with new footage shared on social media, confirming additional technical details and operational highlights that were not covered in the initial report. This strengthens the narrative of India's growing indigenous aerospace capability.
- It highlighted the platform's ability to maintain stable hover at high altitude, even under variable wind conditions, which is a critical requirement for deployment in mountainous terrain.
- The footage also revealed the UAV's modular payload bay, designed to accommodate electro-optical sensors, communication relays, and lightweight logistics packages. This adaptability ensures the system can be tailored for both surveillance and tactical resupply missions.

- The completion of Phase 1 flight trials by L&T Precision Engineering and Systems represents a major step forward in India's UAV development. The High Altitude VTOL UAV has been designed to operate in challenging environments where conventional aerial platforms struggle, particularly in mountainous and high-altitude regions.



REVIEW QUESTIONS

1. **Which organization will execute the Advanced Medium Combat Aircraft (AMCA) programme through industry partnership?**
A. HAL
B. ISRO
C. Aeronautical Development Agency (ADA)
D. Indian Air Force

Answer: C. Aeronautical Development Agency (ADA)

2. **The AMCA project is related to the development of which type of aircraft?**
A. Cargo Aircraft
B. Helicopter
C. Fifth-generation stealth fighter aircraft
D. Passenger aircraft

Answer: C. Fifth-generation stealth fighter aircraft

3. **Which Union Minister chaired the security review meeting in Bikaner regarding the Indo-Pakistan border?**
A. Nitin Gadkari
B. Rajnath Singh
C. Amit Shah
D. S. Jaishankar

Answer: C. Amit Shah

4. **During the anti-smuggling operation off the Mundra coast, the Indian Coast Guard seized approximately how much cocaine?**

- A. 50 kg
- B. 75 kg
- C. 100 kg
- D. 115 kg

Answer: D. 115 kg

5. **India recently achieved a breakthrough in which advanced semiconductor technology developed by DRDO scientists?**

- A. Silicon Carbide Technology
- B. Gallium Nitride (GaN) Technology
- C. Quantum Dot Technology
- D. Nano Lithium Technology

Answer: B. Gallium Nitride (GaN) Technology

6. **The High Altitude VTOL UAV flight trials were successfully completed by which company?**

- A. Tata Advanced Systems
- B. Bharat Electronics Limited
- C. Larsen & Toubro (L&T)
- D. Hindustan Aeronautics Limited

Answer: C. Larsen & Toubro (L&T)

7. **Ex 'Nomadic Elephant' Conducted b/w India &**

- A. Qatar
- B. Malaysia
- C. Mongolia
- D. Maldives

ANSWER: C

8. **Joint Exercises B/w The India And USA Is Called:**

- A. Yama
- B. SLINEX
- C. Indra
- D. Tiger Triumph

ANSWER: D

9. Which Country Is Not The Member Of QUAD And?

- A. USA
- B. India
- C. Japan
- D. Russia

ANSWER: D

10. Where Is The Hq Of The Central Command of The IAF?

- A. Kochi
- B. Vishakhapatnam
- C. Prayagraj
- D. Mumbai

ANSWER: C

11. Which is Not Correctly Matched:

- A. IAF Day: 8 Oct
- B. Indian Navy Day: 4 Dec
- C. Indian Army Day: 26 Jan
- D. BSF Day: 1 Dec

ANSWER: C

12. "Sarvatra" (Everywhere) Is The Motto Of

- A. JKRIF
- B. RR
- C. CORPS OF ENGINEERS
- D. Madras Regiment

ANSWER: C

13. SLBM Stands For

- A. Submarine-launched Ballistic Misery
- B. Submarine-launched Ballistic Missile
- C. Submarine-launched Ballet Missile
- D. Solar-launched Ballistic Missile

ANSWER: B

14. Merkava Mk.4 Is The Tank Of

- A. Germany
- B. Israel

- C. USA
- D. India

ANSWER: B

15. Exercises B/w India And Egypt Is Called:

- A. SLINEX
- B. Indra
- C. Yudha Abhyas
- D. Ex CYCLONE

ANSWER: D

16. NAY PYI TAW Is The Capital Of

- A. Myanmar
- B. Mozambique
- C. Morocco
- D. Maldives

ANSWER: A

17. Colonel Rank Of Indian Army Is Equivalent To Rank Of Indian Navy Is

- A. Commander
- B. Captain
- C. Group Captain
- D. Lieutenant

ANSWER: B

18. From Which Country Has India Purchased Its Apache Helicopters?

- A. U.K.
- B. Sweden
- C. France
- D. USA

ANSWER: D

19. Air Commodore of IAF Is Equivalent To The Which Rank Of Indian Army?

- A. Brigadier
- B. Captain
- C. Lt. Colonel
- D. Colonel

ANSWER: A

20. What is the range of the Pinaka rocket launcher system?

- A. 50 kilometers
- B. 80 kilometers
- C. 100 kilometers
- D. 120 kilometers

ANSWER: B

