

# Daily Defence Current Affairs

## 28 May 2025

### Raksha Mantri Approves AMCA Programme

- In a significant push towards enhancing India's indigenous defence capabilities and fostering a robust domestic aerospace industrial ecosystem, Raksha Mantri Shri Rajnath Singh has approved the Advanced Medium Combat Aircraft (AMCA) Programme Execution Model.
- The Aeronautical Development Agency (ADA) is set to execute the programme through Industry partnership.
- The Execution Model approach provides equal opportunities to both private and public sectors on competitive basis. They can bid either independently or as joint venture or as consortia. The entity/bidder should be an Indian company compliant with the laws and regulations of the country.
- This is an important step towards harnessing the indigenous expertise, capability and capacity to develop the AMCA prototype, which will be a major milestone towards Aatmanirbharta in the aerospace sector.
- ADA will shortly issue an Expression of Interest (EoI) for the AMCA Development Phase.



Full-scale model of AMCA at Aero India 2025

## Karnataka Opposes Shifting AMCA Production Unit

- The ongoing dispute between Karnataka and Andhra Pradesh over the location of HAL Advanced Medium Combat Aircraft (AMCA) and LCA production units has intensified following a proposal by Andhra Pradesh CM Naidu.
- Naidu has offered 10,000 acres of land in the Lepakshi-Madakasira region, near Bangalore airport, to establish HAL's AMCA and LCA manufacturing facilities as part of a larger plan to create a major defence industrial corridor in Andhra Pradesh.
- This corridor, spanning 23,000 acres across five hubs, aims to position Andhra Pradesh as a new centre for aerospace and defence manufacturing, complementing existing corridors in **Uttar Pradesh and Tamil Nadu**.
- Reacting strongly, **Karnataka Deputy Chief Minister DK Shivakumar** and Industries Minister MB Patil have categorically opposed any move to shift existing HAL production units out of Karnataka.
- Shivakumar emphasised that HAL is a legacy institution for Karnataka, with Bengaluru serving as its base and home to its airports and critical infrastructure.
- The final decision will likely hinge on central government policy, balancing regional aspirations with national strategic priorities.



## DRDO Inaugurates Quantum Technology Research Centre

- DRDO inaugurated the Quantum Technology Research Centre (QTRC) at **Metcalfe House, Delhi**. QTRC is equipped with state-of-the-art experimental set-ups designed to propel research and development in critical quantum domains.
- The key capabilities of this centre include Characterisation of Vertical-Cavity Surface-Emitting Lasers and Distributed Feedback Lasers; Test-beds for evaluating single-photon sources; Set-up for characterisation of Micro Fabricated Alkali Vapor Cell; and
- Experimental platforms for developing and validating Quantum Key Distribution techniques to enable ultra-secure communication and safeguard national security in the post-quantum era, spearheaded by Scientific Analysis Group DRDO.
- Spearheaded by **Solid State Physics Laboratory** QTRC also focuses on foundational technologies including an **Ultra-Small Atomic Clock** based on Coherent Population Trapping for highly precise timekeeping in Global Navigation Satellite System-denied environments, an Atomic Magnetometer using optically pumped magnetometry for ultra-sensitive magnetic field detection, and Cutting-edge solid-state quantum devices and materials.



## Govt Readies ₹2,000 Crore-3,000 Crore Order For ATGM

- Procurement of 500 anti-tank guided missiles for T-90 tanks awaits final vetting of contract value.
- The Ministry of Defence is set to place a significant procurement order for 500 Invar anti-tank guided missiles (ATGMs) from Bharat Dynamics Ltd (BDL), with the contract value estimated between ₹2,000 crore and ₹3,000 crore.

- This acquisition aims to enhance India's armoured warfare capabilities by equipping frontline T-90 main battle tanks with advanced, precision-guided missile systems, thereby strengthening operational readiness along both western and northern borders where these mechanised formations are heavily deployed.
- The Invar missile, designed for launch from tank platforms, is already a key component of India's T-90 arsenal, known for its high precision and effectiveness against both mobile and static targets.



## Indian Navy To Welcome Navika Sagar Parikrama II Crew

- The Indian Navy is all set to welcome the triumphant crew of Navika Sagar Parikrama II on successful completion of circumnavigation of the Globe onboard Indian Naval Sailing Vessel Tarini.
- Accomplishing this rare feat in double-handed mode, Lt Cdr Roopa A and Lt Cdr Dilna K are set to touch the shores of Goa on 29 May 2025. This extraordinary sailing expedition was flagged off from Naval Ocean Sailing Node, Goa on 02 Oct 24.
- Over a period of eight months, the Naval duo (famously called #DilRoo) covered a distance of 25,400 nm (approx 50,000km) across four continents, three oceans and three Great Capes, braving extreme weather conditions and challenging seas relying solely on sails and wind power.





## REVIEW QUESTIONS

1. Where was the Quantum Technology Research Centre (QTRC) inaugurated by DRDO?

- A. Bengaluru
- B. Pune
- C. Hyderabad
- D. Delhi

**ANSWER: D**

2. Which Indian Naval vessel was used for the Navika Sagar Parikrama II circumnavigation?

- A. INS Trikand
- B. INS Tarangini
- C. INS Tarini
- D. INS Sudarshini

**ANSWER: C**

3. Who are the two officers completing the Navika Sagar Parikrama II in double-handed mode?

- A. Lt Cdr Radhika and Lt Cdr Sunita
- B. Lt Cdr Priya and Lt Cdr Meena
- C. Lt Cdr Roopa A and Lt Cdr Dilna K
- D. Lt Cdr Neha and Lt Cdr Anjali

**ANSWER: C**

**4. Which agency will execute the AMCA Programme through industry partnership?**

- A. Hindustan Aeronautics Limited (HAL)
- B. Bharat Electronics Limited (BEL)
- C. Aeronautical Development Agency (ADA)
- D. Defence Research and Development Organisation (DRDO)

**ANSWER: C**

**5. How many Invar anti-tank guided missiles (ATGMs) is the Ministry of Defence planning to procure?**

- A. 200
- B. 500
- C. 1000
- D. 750

**ANSWER: C**

**6. INS Arighat Is A**

- A. Nuclear Powered Submarine
- B. Diesel Powered Submarine
- C. Destroyer
- D. Sailing Ship

**ANSWER: A**

**7. The Belt and Road Initiative (BRI) Is A Project Of**

- A. Brazil
- B. Russia
- C. China
- D. None of the above

**ANSWER: C**

**8. Operation Meghdoot Was Conducted In**

- A. 13 April 1984
- B. 14 April 1984
- C. 15 April 1984
- D. 16 April 1984

**ANSWER: A**

**9. QRFV Stands For**

- A. Quick Reaction Fighting Vehicle Medium
- B. Quick Reaction Fighting Vast Medium
- C. Quick Reaction Fight Vehicle Medium
- D. None

**ANSWER: A**

**10. The IAI Harpy is a**

- A. Helicopter
- B. Machine Gun
- C. UAV
- D. Fighter Jet

**ANSWER: C**

**11. Motto Of Integrated Defence Staff**

- A. Victory Through Jointness
- B. Victory Everywhere
- C. Always Ahead
- D. None of the above

**ANSWER: A**

**12. Asia-Pacific Economic Cooperation (APEC) Hq Is In**

- A. Queenstown, Singapore
- B. Berlin, Germany
- C. Abu Dhabi (UAE)
- D. Kathmandu, Nepal

**ANSWER: A**

**13. XIV Corps Of Indian Army Is Also Known As**

- A. Fire and Fury Corps
- B. Chinar Corps
- C. White Knight Corps
- D. None

**ANSWER: A**

**14. First Made In India Passenger Aircraft Is\_\_\_\_**

- A. Dornier 228
- B. Chetak

- C. Cheetah
- D. None of the above

**ANSWER: A**

**15. Operation Sarp Vinash Was Conducted In**

- A. 1978
- B. 2016
- C. 2003
- D. 1980

**ANSWER: C**

**16. Tirana Is The Capital Of**

- A. Albania
- B. Qatar
- C. UAE
- D. Maldives

**ANSWER: A**

**17. "All Time Favorites for Children" Book Is Written By**

- A. Sunita Dwivedi
- B. Avtar Singh Bhasin
- C. Hew Strachan
- D. Ruskin Bond

**ANSWER: D**

**18. War Cry Of THE BRIGADE OF THE GUARDS Is**

- A. Garud ka hun bol pyare
- B. Everywhere
- C. Victory Is Mine
- D. Charge and Attack

**ANSWER: A**

**19. C-130J Super Hercules Is A**

- A. Destroyer
- B. OPV
- C. Submarine
- D. Transport Aircraft

**ANSWER: D**



**20. Saab AB Is An Aerospace Company of**

- A. USA
- B. Sweden
- C. France
- D. China

**ANSWER: B**