

Daily Defence Current Affairs

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Indra Deliver India's First Homegrown 3D Naval Radar

- To support ongoing production, TASL has set up a dedicated radar assembly, integration, and testing facility in Karnataka, which the company said will accelerate deliveries.
- The 3D Air Surveillance Radar (3D-ASR), Lanza-N, makes TASL the first Indian company to demonstrate the ability to build and integrate next-generation naval surveillance radar systems, the company said in a statement.
- According to TASL, Indra's Lanza-N radar is a long-range, three-dimensional tactical surveillance system capable of detecting friendly and hostile air and surface targets. It is effective against drones, supersonic fighters, anti-radiation missiles, and all types of naval platforms.
- This marks the first time the Lanza-N radar will be operational outside Spain, TASL added.



Exercise Siyom Prahar

- The Indian Army successfully conducted Exercise Siyom Prahar from September 8 to 10, a major field training exercise aimed at validating the employment of drone technology in modern tactical operations.
- Conducted under realistic battlefield conditions, the exercise represented a significant advancement in operational preparedness by effectively integrating drones across both tactical and operational dimensions.
- According to the release, the scope of employment encompassed continuous surveillance and battlefield reconnaissance, as well as target acquisition and precision strikes. This development highlights the transformative role of unmanned aerial vehicles in enhancing combat effectiveness.
- The exercise also highlighted the importance of adaptability and synergy between traditional combat arms and emerging technological enablers.



'Samudra Pradakshina'

- Commemorating Nari Shakti and the vision for Viksit Bharat, Defence Minister Rajnath Singh, virtually flagged off a historic Tri-service all-women circumnavigation sailing expedition, Samudra Pradakshina, the first ever in the world, from the Gateway of India in Mumbai.

- In his address from South Block, the Defence Minister described the voyage as a glowing symbol of Nari Shakti, the collective strength, unity and jointness of the three Services, Aatmanirbhar Bharat and its military diplomacy and global vision.
- Over the next nine months, 10 women officers will sail onboard the indigenously-built Indian Army Sailing Vessel (IASV) Triveni on an easterly route covering approximately 26,000 nautical miles.
- The team will also make four international port calls before returning to Mumbai in May 2026.



India's First Jet Engine

- India may soon approve a joint project by French firm Safran S.A and India's Gas Turbine Research Establishment (GTRE), a lab under the DRDO to develop and produce 120 Kilo Newton engine which will power India's twin engine AMCA fighter, a move that comes shortly after PM Narendra Modi called for indigenous development of jet engines from the ramparts of Red Fort during his Independence Day speech, people familiar with the matter said.
- Safran-GTRE will develop nine prototypes of fighter engines within a time frame of 12 years. The engines will initially developed with 120 KN power but go up in capacity to 140 KN by the end of the 12 year time period.
- The jet engines will be developed in India under Indian IPR with Safran transferring 100% of the technology to DRDO, including crystal blade technology, the people cited above added.

- This 120-140 KN engine will power the twin engine advanced multi-role aircraft (AMCA), which will be developed and produced by Indian private sector with the Tata group, L &T and Adani Defence all ready to pitch in for the national effort.



Exercise Siam Bharat

- The Annual Joint Exercise #ExSiamBharat 2025 was conducted from 08–11 Sep at Pattaya, Thailand.
- Focused on greater inter operability, the Indian Air Force (IAF) & Royal Thai Air Force (RTAF) exchanged knowledge and niche tech in #HADR, fostering mutual learning and operational synergy.
- The exercise reinforced bonds of friendship and strengthened strategic ties between India & Thailand.
- **Context of India-Thailand Military Relations**
- **MAITREE Exercise:** In contrast to Siam Bharat, the "MAITREE" exercise is an annual joint military exercise between the Indian and Royal Thai Armies focusing on counter-terrorism operations.
- **Bilateral Cooperation:** India and Thailand maintain a strong bilateral defense relationship, which is further strengthened by these joint exercises.
- **Cultural Exchange:** The MAITREE exercise also features cultural exchange, with the Indian Army conducting Yoga sessions for its Thai counterparts, promoting a spirit of camaraderie.



REVIEW QUESTIONS

1. Which company has become the first Indian firm to build and integrate next-generation naval surveillance radar systems with the Lanza-N radar?

- A. DRDO
- B. TASL
- C. HAL
- D. BEL

ANSWER: B

2. Exercise Siyom Prahar, primarily focused on validating the employment of which technology in tactical operations?

- A. Hypersonic Missiles
- B. Artificial Intelligence
- C. Drone Technology
- D. Cyber Warfare

ANSWER: C

3. The all-women tri-service circumnavigation expedition 'Samudra Pradakshina' will cover approximately how many nautical miles?

- A. 18,000
- B. 22,000
- C. 26,000
- D. 30,000

ANSWER: C

4. Exercise Siam Bharat 2025 was conducted between which two Air Forces?

- A. Indian Air Force and Royal Malaysian Air Force
- B. Indian Air Force and Royal Thai Air Force
- C. Indian Air Force and Singapore Air Force
- D. Indian Air Force and Indonesian Air Force

ANSWER: B

5. What is the price tag for the MQ-9B Predator drones that the Indian Army and IAF are planning to jointly deploy?

- A. USD 2 billion
- B. USD 4 billion
- C. USD 6 billion
- D. USD 8 billion

ANSWER: B

6. Which is the 6th largest Submarine Under P75?

- A. INS Karanj
- B. INS Vagsheer
- C. INS Kirpan
- D. INS Vela

ANSWER: B

7. National College for Policing and Law Enforcement is one of India's largest funded projects in

- A. USA
- B. UK
- C. Maldives
- D. None of the above

ANSWER: C

8. The MiG-29 Is A

- A. Qatar
- B. Oman
- C. UAE
- D. UK

ANSWER: D

9. "Naam Namak Nishaan" Is The Motto Of

- A. THE GRENADIERS
- B. Rajputana Rifles
- C. Gorkha
- D. None

ANSWER: A

10. IATA Stands For

- A. International Air Transport Associate
- B. International Apex Transport Association
- C. International Air Transport Association
- D. None of the above

ANSWER: C

11. K2 Black Panther Tank Belongs To

- A. Oman
- B. Qatar
- C. Sri Lanka
- D. South Korea

ANSWER: D

12. Ankara Is The Capital Of

- A.** Oman
- B.** Qatar
- C.** Turkey
- D.** Maldives

ANSWER: C

13. "India 2020: A Vision for the New Millennium" Book Is Written By

- A. Shashi Tharoor
- B. Rabindra Nath Tagore
- C. M K Gandhi
- D. Dr A P J Abdul Kalam & Dr Y S Rajan

ANSWER: D

14. North-West Region Of ICG Located In

- A. Kochi

- B. Vishakhapatnam
- C. Gandhinagar
- D. Mumbai

ANSWER: C

15. AH-64 Apache Is A

- A. Transport Helicopter
- B. Attack Helicopter
- C. Light Utility Helicopter
- D. None of the above

ANSWER: B

16. Operation Ganga Was Conducted By IAF In

- A. UK
- B. USA
- C. Ukraine
- D. Afghanistan

ANSWER: C

17. Department of Defence Production Comes Under

- A. Ministry of Culture
- B. MHA
- C. MOD
- D. MEA

ANSWER: C

18. Defence Institute of High-Altitude Research Is In

- A. New Delhi
- B. Jammu
- C. Ladakh
- D. None of the above

ANSWER: C

19. Dhanush (howitzer) Manufactured By

- A. L & T
- B. Boeing
- C. ISRO
- D. Advanced Weapons and Equipment India Limited

ANSWER: D

20. BRICS Stands For

- A. Brazil Russia India China And South Africa
- B. Brazil Russia India China And South Asia
- C. Brazil Russia Indonesia China And South Africa
- D. None of the above

ANSWER: A