

Daily Defence Current Affairs

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Delivery of Eighth Missile Cum Ammunition Barge

- Induction ceremony of the eighth Missile Cum Ammunition Barge, LSAM 11(Yard 79) was held at Naval Dockyard, Mumbai. With delivery of LSAM 11, the **MSME Shipyard** completes contractual delivery of all eight Barges to Indian Navy.
- Seven of these MCA Barges have already been inducted and are providing an impetus to the operational commitments of Indian Navy by facilitating Transportation, Embarkation and Disembarkation of articles/ ammunition to IN platforms both alongside jetties and at outer harbours.
- The contract for construction and delivery of eight MCA Barges was concluded with a MSME Shipyard, **M/s SECON Engineering Projects Pvt Ltd**, Visakhapatnam on 19 Feb 21.



Exercise Khanjar-XII

- The **12th edition** of the India-Kyrgyzstan Joint Special Forces Exercise KHANJAR-XII is set to take place in Kyrgyzstan from 10 March to 23 March 2025. Since its inception in 2011, Ex KHANJAR XII has evolved into an annual training event.
- The alternating venues between India and Kyrgyzstan reflect the unique dimension of the thriving strategic relationship. The last edition of the same exercise was conducted in India in January 2024.
- Aim of the exercise is to exchange experiences and best practices in Counter Terrorism and Special Forces Operations in urban and mountainous high altitude terrain scenarios.
- The exercise will also focus on developing advanced Special Forces skills of sniping, complex building intervention and mountain craft.



First Rear Fuselage for LCA Mk1A Handed Over to HAL

- The first rear fuselage for Light Combat Aircraft Mk1A, produced by Indian Private Industry, **Alpha Tocol Engineering Services Private Ltd**, was handed over to HAL in the presence of Rajnath Singh at Aircraft Division in Bengaluru, Karnataka on March 09, 2025.
- A fuselage is the main body section of the aircraft which holds the pilot, passengers and cargo, while the rear fuselage supports the tail section and its associated components.

- Raksha Mantri described HAL as the fuselage of the country's defence and aerospace sector, with private companies such as L&T, Alpha Tocol, Tata Advanced Systems and VEM Technologies playing the role of rear fuselage, supporting HAL.
- HAL had placed orders on various Indian private companies such as L&T, Alpha Tocol Engineering Services, Tata Advanced Systems Ltd (TASL), VEM Technologies and Lakshmi Mission Works (LMW) for supplying major modules for the 83 LCA Mk1A contract.



China's 5,000 Km-Range Radar Near Myanmar Border

- China has recently deployed a new Large Phased Array Radar (LPAR) in Yunnan Province, near the Myanmar border, significantly enhancing its surveillance capabilities over India.
- This advanced radar system boasts a range of over 5,000 kilometres, allowing Beijing to monitor extensive areas of the Indian Ocean and deep into Indian territory.
- The LPAR is designed to detect and track ballistic missile launches in real time, posing a significant threat to India's missile program by enabling China to gather real-time intelligence on missile trajectories, speeds, and distances.
- The strategic placement of this radar facility is particularly noteworthy, as it provides China with an unobstructed view across the Bay of Bengal and the broader Indian Ocean Region (IOR), a critical maritime domain where India maintains a strong naval presence.

- China might leverage its advanced radar as part of its "**Three War Fares**" **strategy, combining psychological, media, and legal warfare** to influence public opinion and create strategic advantages.
- India is purchasing of the **Russian Voronezh radar system**, which offers a range exceeding **6,000 milometers**. This would enhance India's surveillance capabilities over critical regions, including China and the Indian Ocean, allowing for better detection and tracking of threats.



IIT-Madras Develops 'Iron Wall'

- In a significant advancement in defence innovation, researchers at the Indian Institute of Technology (IIT)-Madras have developed a ground breaking framework to enhance the protection of critical infrastructure against ballistic missile threats.
- This system is specifically designed for reinforced concrete (RC) panels used in strategic installations such as defence bunkers, atomic power stations, bridges, and air runways. The aim is to improve the resilience of these structures against ballistic impacts, thereby preventing catastrophic structural failures.
- Concrete structures are particularly vulnerable to localised damage when subjected to projectile impacts, including penetration, perforation, scabbing, spalling, and crushing.



REVIEW QUESTIONS

1. Which country is the first recipient of India's defence export order executed by the Ordnance Clothing Factory, Avadi?

- A. Guyana
- B. French Guiana
- C. Suriname
- D. Brazil

ANSWER: C

2. Which company signed an MoU to invest Rs 800 crore in a Telangana Unmanned Aerial Systems manufacturing plant?

- A. Tata Advanced Systems
- B. JSW
- C. HAL
- D. Reliance Defence

ANSWER: B

3. Which company launched the multi-purpose vessel INS Utkarsh for the Indian Navy?

- A. Hindustan Shipyard Limited
- B. Mazagon Dock Shipbuilders
- C. Cochin Shipyard
- D. Larsen & Toubro

ANSWER: D

4. Where has China recently deployed a new Large Phased Array Radar (LPAR) to enhance its surveillance capabilities?

- A. Tibet
- B. Xinjiang
- C. Yunnan Province
- D. Sichuan

ANSWER: C

5. What is the range of the Russian Voronezh radar system that India is purchasing?

- A. 2,000 kilometers
- B. 4,500 kilometers
- C. 6,000 kilometers
- D. 8,000 kilometers

ANSWER: C

6. Which Indian institute has developed a framework to enhance the protection of critical infrastructure against ballistic missile threats?

- A. IIT Delhi
- B. IIT Bombay
- C. IIT Madras
- D. IIT Kanpur

ANSWER: C

7. Which Indian private industry produced the first rear fuselage for the Light Combat Aircraft Mk1A?

- A. Tata Advanced Systems
- B. Alpha Tocol Engineering Services Pvt Ltd
- C. Bharat Forge
- D. Reliance Defence

ANSWER: B

8. Where will the 12th edition of the India-Kyrgyzstan Exercise KHANJAR-XII be held in 2025?

- A. A, India
- B. Kyrgyzstan
- C. Russia
- D. Kazakhstan

ANSWER: B

9. Operational Range of Rudram-1 Is

- A. 150 km
- B. 250 km
- C. 350 km
- D. 450 km

ANSWER: B

10. Army Air Defence College Is In

- A. Gopalpur, Odisha
- B. Pune, M.H.
- C. Chennai, T.N.
- D. None

ANSWER: A

11. "Sarvatra Izzat-o-Iqbal" Is The Motto Of

- A. Dogra Scouts
- B. Sikkim Scouts
- C. Regiment Of Artillery
- D. None of the above

ANSWER: C

12. Prahaar Missile Manufactured By

- A. MDL
- B. BDL
- C. CSL
- D. DRDO

ANSWER: B

13. Thales Group Is A Company of ___

- A. UK
- B. USA
- C. Germany
- D. France

ANSWER: D

14. Which Of The Following Is Not The Command Location Of The Indian Army?

- A. New Delhi
- B. Lucknow
- C. Pune
- D. Jaipur

ANSWER: A

15. Which Is The 2 Star Rank In The Indian Army?

- A. Brigadier
- B. Major General
- C. Lt Gen
- D. Colonel

ANSWER: B

16. Bratislava Is The Capital

- A. Oman
- B. Serbia
- C. UAE
- D. Slovakia

ANSWER: D

17. "Courts of India" Book Written By

- A. Shashi Tharoor
- B. CJI Ranjan Gogoi (Former)
- C. Roopa Pai
- D. Peter Baker

ANSWER: B

18. World Meteorological Organisation (WMO) Hq Is At

- A. Paris, France
- B. Vienna, Austria
- C. New York, USA
- D. Geneva, Switzerland

ANSWER: D

19. UNICEF Stands For

- A. Union Nations Children's Fund
- B. United Nations Children's Fund
- C. United Nations Children's Future
- D. United International Nations Children's Fund

ANSWER: D

20. __Himalayan pass is situated b/w India and China.

- A. Shenkota
- B. Thalghat
- C. Bhorghat
- D. Shipki La

ANSWER: D