

Daily Defence Current Affairs

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PM Dedicates To The Nation Advanced Night Vision Factory

- Marking another step towards Aatmanirbharta in defence, PM Narendra Modi dedicated to the nation an Advanced Night Vision factory in Nimmaluru, Andhra Pradesh.
- The facility is among the multiple development projects worth around Rs 13,430 crore which the Prime Minister laid the foundation stone for, inaugurated, and dedicated to the nation in Kurnool.
- Established by BEL at an investment of around Rs 360 crore, the facility has been created to meet the demands of Armed Forces as also for Export purposes for various electro-optical devices (Advanced Night Vision Devices), Infrared Seekers for various indigenously developed missiles and different types of drone guard systems for protection from rogue drones, UAV and other aerial threats.
- It has been constructed at Nimmaluru, Krishna District in 50.54 acres of land with a built-up area of 36,000 sqm.
- The facility will cater to the growing demands with flexible production lines and space that can accommodate future product lines and advanced manufacturing techniques. It will also generate employment over a period of 2 to 3 years.



Rolls-Royce Partners with Bharat Forge to Source Pearl 10X Engine Parts

- British aerospace and defence company **Rolls-Royce** signed an agreement with **Bharat Forge** to manufacture and supply fan blades for its Pearl 700 and Pearl 10X engine.
- The contract was signed at Rolls-Royce's Dahlewitz facility near Berlin under its commitment towards building in-country capabilities to double its supply chain sourcing from India by 2030.
- "This expanded partnership with Rolls-Royce reflects our shared commitment to engineering excellence and long-term collaboration. We are proud to support the Pearl engine family, which represents the future of high-performance

aviation," Amit Kalyani, Vice Chairman and Joint Managing Director of Bharat Forge Ltd. said.

- The Pearl 10X is the latest and most powerful member of the Pearl engine family, which is powering some of the largest, fastest and longest-range business jets available across the world.
- The engine features the Advance2 engine core, which is the most efficient core available across the business aviation sector. It is combined with a high-performance low-pressure system, resulting in a superior thrust of more than 18,000lb.
- Today, over 1400 Rolls-Royce engines power various platforms of the Indian Air Force, Navy, Coast Guard and Army vehicles. The company has employed more than 4,000 people who work across its ecosystem, including 2800 highly skilled engineers contributing to global development programmes.



Cochin Shipyard to Launch Three Vessels

- Cochin Shipyard Limited (CSL), a public-sector shipbuilder, will launch three technologically advanced vessels, including an Anti-Submarine Warfare Shallow Water Craft (ASW SWC) for the Indian Navy.
- The other vessels to be launched are the Hybrid Electric Methanol-Ready Commissioning Service Operation Vessel (CSOV) and India's largest Trailer Suction Hopper Dredger, DCI Dredge Godavari.

- The ASW SWC for the Navy is the sixth vessel built under an eight-ship contract signed in April 2019. The 78-metre-long, 896-tonne craft can achieve speeds up to 25 knots and is equipped with advanced underwater sensors, lightweight torpedoes, ASW rockets, and mine-laying capability, the CSL said.
- The vessel can also conduct low-intensity maritime operations, coordinated ASW missions with aircraft, and search and rescue operations in coastal waters. It will replace the Indian Navy's **Abhay-class corvettes**, enhancing the force's near-shore anti-submarine capabilities with improved automation and endurance.



HAL's Nashik MiG-Sukhoi Plant to Build LCA Tejas

- HAL announced that the first LCA Mark 1A fighter aircraft for the Indian Air Force, produced by the facility at Nagpur, is scheduled to fly on Friday in the presence of Defence Minister Rajnath Singh.
- HAL said that it had created a third assembly line for LCA Mark 1A. The facility also has the second production line for HTT-40 basic trainer aircraft and has been licensed to produce the Su-30MKI and MiG series fighter jets in the past.
- On August 19, the central government had approved the purchase of 97 LCA Mark 1A fighter jets for the Indian Air Force at a cost of Rs 62,000 crore. This was the second major order for the Mark 1A jets.
- The first, placed a few years ago, was for 83 aircraft worth around Rs 48,000 crore. With the new order, the total number of LCA Mark 1A jets for the Air Force now stands at 180.

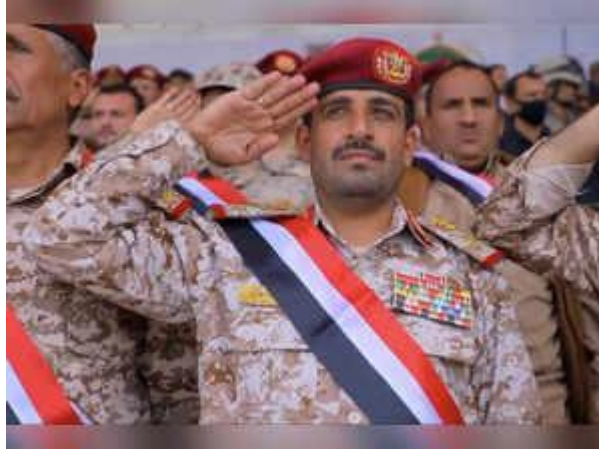
- The LCA Mark 1A features advanced avionics and radar systems, offering a significant upgrade over the initial 40 LCAs supplied to the Air Force. Defence sources said that more than 65% of components in the new aircraft are of indigenous origin, highlighting India's growing self-reliance in aerospace technology.



Chief of staff of Yemen Houthi Rebel's Military Dies

- An Israeli airstrike targeting the top leaders of Yemen's Houthi rebels in August killed the chief of staff of its military, officials said Thursday, further escalating tensions between the group and Israel even as a ceasefire holds in the Gaza Strip.
- The Houthis have acknowledged the killing of Maj. Gen. Muhammad Abdul Karim al-Ghamari, who had been sanctioned by the United Nations over his role in the country's decadelong war.
- Israeli Defense Minister Israel Katz said al-Ghamari died of wounds he suffered in the attack and had joined "his fellow members of the axis of evil in the depths of hell."
- Katz referred to the strike as "the strike of the firstborn," likely a reference to a series of strikes Israel conducted on Aug. 28. That attack killed Houthi Prime Minister Ahmed al-Rahawi and others. However, analysts suggested al-Ghamari may have been wounded in a different attack targeting the secretive group.
- Prime Minister Benjamin Netanyahu also acknowledged Israel killing al-Ghamari.

- "Another chief of staff in the line of terror chiefs who aimed to harm us was eliminated," Netanyahu said. "We will reach all of them."



REVIEW QUESTIONS

1. **Where has the Advanced Night Vision factory dedicated by PM Narendra Modi been established?**
A. Visakhapatnam, Andhra Pradesh
B. Nimmaluru, Andhra Pradesh
C. Kurnool, Andhra Pradesh
D. Hyderabad, Telangana

ANSWER: B

2. **Rolls-Royce has partnered with which Indian company to manufacture and supply fan blades for its Pearl 700 and Pearl 10X engines?**
A. Hindustan Aeronautics Limited (HAL)
B. Bharat Forge
C. Larsen & Toubro
D. BEML Limited

ANSWER: B

3. **How many ASW SWCs are being built under the contract signed in April 2019?**
A. Four
B. Six

- C. Eight
- D. Ten

ANSWER: C

4. What is the total number of LCA Mark 1A fighter jets ordered for the IAF after the recent approval?

- A. 97
- B. 83
- C. 120
- D. 180

ANSWER: D

5. What is the thrust power of the Rolls-Royce Pearl 10X engine?

- A. 12,000 lb
- B. 15,000 lb
- C. 18,000 lb
- D. 20,000 lb

ANSWER: C

6. Where was the first BRIC Summit held?

- A. Moscow, Russia
- B. Yekaterinburg, Russia
- C. New York, USA
- D. Beijing, China

ANSWER: B

7. Naib Subedar Jeremy Lalrinnunga is related with

- A. Table Tennis
- B. Cricket
- C. Boxing
- D. Weightlifting

ANSWER: D

8. The Jawaharlal Nehru Port is located At

- A. Paradip
- B. Cochin
- C. Kolkata

D. Mumbai

ANSWER: D

9. 'Iron Beam' new laser-based air defence system Made By

A. USA

B. UK

C. Israel

D. Russia

ANSWER: C

10. First Submarine Developed Under P-75 Is

A. INS Kalvari

B. INS Khanderi

C. INS Karanj

D. INS Vela

ANSWER: A

11. Who Wrote The Book New Dimensions Of India's Foreign Policy?

A. Atal Bihari Vajpayee

B. Abdul Kalam Azad

C. Amit Chaudhuri

D. Raghuram Rajan

ANSWER: A

12. Mechanical Training Institute (MTI) Of IAF Is In

A. Yelahanka, Bengaluru

B. Jalahalli, Bengaluru

C. Tambaram Chennai

D. None of the above

ANSWER: C

13. Central Statistical Organization Hq Is In

A. New Delhi

B. Vishakhapatnam

C. Pune

D. Mumbai

ANSWER: A

14. Ex SHAKTI, Ex VARUNA, GARUDA India conducted with

- A. USA
- B. Sweden
- C. France
- D. None of the above

ANSWER: C

15. Yaounde Is The Capital Of

- A. Cameroon
- B. Canada
- C. UAE
- D. Burundi

ANSWER: A

16. Novel 'Orbital' Book Written By

- A. Samantha Harvey
- B. Issac Newton
- C. Mahashweta Devi
- D. APJ Abdul Kalam

ANSWER: A

17. SITMEX Ex Is Done Among

- A. India, Singapore, and Thailand
- B. India, Sri Lanka and Thailand
- C. Indonesia, Singapore, and Thailand
- D. None of the above

ANSWER: A

18. Commander Rank Of Indian Navy Is Equivalent To Rank Of IAF Is

- A. Wing Commander
- B. Squadron Leader
- C. Group Captain
- D. Flying Officer

ANSWER: A

19. War Cry of the BIHAR REGIMENT

- A. Parakramo Vijayate
- B. Rhino Charge
- C. Jai Bajrangbali

D. Duty, Honour, courage

ANSWER: C

20. __Is India's 3rd Highest Military Decoration Award.

A. PVC

B. MVC

C. Veer Chakra

D. Kirti Chakra

ANSWER: C

