

Daily Defence Current Affairs

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Resolution by the Cabinet Welcoming Return of Group Captain Shubhanshu

- On 15th July 2025, Group Captain Shubhanshu Shukla has landed back safely on earth from his space journey, representing infinite aspirations of India. This is a moment of pride, glory and joy for the entire nation.
- The Cabinet joins the nation in celebrating the return of Group Captain Shubhanshu Shukla to Earth, following the successful completion of his historic 18-day mission aboard the **International Space Station**.
- The Cabinet commends the ISRO and the entire community of our scientists and engineers whose relentless efforts have made this achievement possible.
- It is a vital stepping stone towards India's own human spaceflight ambition, including the Gaganyaan and the Bharatiya Antariksha Station. It reaffirms India's resolve to be at the forefront of human space exploration.



ISRO Planning To Launch First Industry-Manufactured PSLV

- ISRO is set to mark a significant milestone in its space program by planning the launch of the first industry-produced **Polar Satellite Launch Vehicle (PSLV)**, manufactured by a consortium of HAL and Larsen & Toubro (L&T), by the end of 2025.
- This initiative represents a major leap in the privatization and commercialization of India's space sector, moving the manufacturing of PSLV rockets from being ISRO-led to being managed and executed by private industry partners, with ISRO providing technical guidance and oversight.
- The HAL-L&T consortium secured an **₹860 crore contract** from **New Space India Limited (NSIL)** for the end-to-end realization of five PSLVs over four years, underlining the strategic importance and scale of this project for India's growing space launch market.
- The first such PSLV designated PSLV-N1, is scheduled for launch in the third to fourth quarter of 2025 and will carry the Technology Demonstration Satellite-1 (TDS-1).



India Plans To Convert 10 Retired Thermal Plants Into Nuclear Units

- India has initiated an ambitious strategy to convert 10 retired or decommissioned thermal power plants into nuclear power units as part of its mission to achieve 100 GW nuclear capacity by 2047, marking a transformative step in the nation's energy transition.
- This move leverages the existing land, water, and electrical infrastructure at these sites, aiming to reap substantial cost and logistical advantages.
- Currently, India has about **8.8 GW** of installed nuclear capacity, with a target of reaching **22 GW by 2032** as an interim milestone.
- Cost Reduction: A 2022 US Department of Energy report suggests potential savings of up to **35%** when reusing thermal infrastructure for nuclear projects.



India Submits Letter of Request To U.S. For Co-Production of Javelin Missiles

- India has formally handed the United States a Letter of Request to begin co-producing the **FGM-148 Javelin**, marking the most decisive step yet in New Delhi's long quest for a lightweight, third-generation man-portable ATGM.
- For more than a decade the Army has faced an acute shortfall—roughly 68,000 missiles and 850 launchers—in modern ATGMs, forcing it to rely on ageing Milan systems and limited emergency buys of **Israel's Spike missile**.

- The Javelin **Joint Venture (Raytheon RTX & Lockheed Martin)** already renewed a memorandum of understanding with state-owned Bharat Dynamics Ltd (BDL) in February 2025 to explore precisely this line.
- The Javelin weighs about 22 kg, fires from a reusable Command Launch Unit and engages armour at 2.5–4 km using a lock-on-before-launch, fire-and-forget IR seeker.



Ultra Long-Range Strike Aircraft (ULRA)

- A plan to field the world's first 12,000 km-class indigenous strategic bomber would vault the Indian Air Force from a regional force into a power with truly intercontinental reach.
- The proposed **Ultra Long-Range Strike Aircraft (ULRA)** is envisioned as a stealthy, swing-wing platform able to deliver nuclear or conventional payloads anywhere on the globe without aerial refuelling.
- If the Defence Ministry's 2032-2035 prototype target is met, India would join the United States, Russia and China as the only nations operating strategic bombers.
- New Delhi therefore seeks a "sky-based" leg to complement its land- and sea-based nuclear forces, giving leaders a survivable platform able to launch retaliatory strikes even if forward bases or missile silos are compromised.



REVIEW QUESTIONS

1. Which two companies are involved in producing India's first industry-manufactured PSLV, set to launch by 2025?

- A. Bharat Electronics and DRDO
- B. ISRO and NTPC
- C. HAL and Larsen & Toubro
- D. BHEL and Tata Power

ANSWER: C

2. What is India's target for nuclear power generation capacity by the year 2047?

- A. 22 GW
- B. 50 GW
- C. 75 GW
- D. 100 GW

ANSWER: D

3. Which anti-tank guided missile is India planning to co-produce with the United States?

- A. Spike
- B. Javelin
- C. Nag
- D. Kornet

ANSWER: B

4. What is the strike range capability of the FGM-148 Javelin missile?

- A. 500 meters
- B. 1 km
- C. 2.5–4 km
- D. 10 km

ANSWER: C

5. What is the strategic importance of India's proposed ULRA (Ultra Long-Range Strike Aircraft)?

- A. It will replace all existing fighter jets
- B. It will enable global strike capability without refueling
- C. It will be used for surveillance missions only
- D. It is meant to support maritime operations exclusively

ANSWER: B

6. Naib Subedar Jeremy Lalrinnunga is related with

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

ANSWER: D

7. The Jawaharlal Nehru Port is located At

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

ANSWER: D

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

- A. USA
- B. UK
- C. Israel
- D. Russia

ANSWER: C

9. First Submarine Developed Under P-75 Is

- A. INS Kalvari
- B. INS Khanderi
- C. INS Karanj
- D. INS Vela

ANSWER: A

10. 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

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

- A. Yelahanka, Bengaluru
- B. Jalahalli, Bengaluru
- C. Tambaram Chennai
- D. None of the above

ANSWER: C

12. Central Statistical Organization Hq Is In

- A. New Delhi
- B. Vishakhapatnam
- C. Pune
- D. Mumbai

ANSWER: A

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

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

ANSWER: C

14. Yaounde Is The Capital Of

- A. Cameroon
- B. Canada

- C. UAE
- D. Burundi

ANSWER: A

15. "The Oath of the Vayuputras" Book Is Written By

- A. Amish Tripathi
- B. Issac Newton
- C. Mahashweta Devi
- D. APJ Abdul Kalam

ANSWER: A

16. 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

17. 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

18. INS Visakhapatnam (D66) Manufactured By

- A. GRSE
- B. MDL
- C. CSL
- D. Boeing

ANSWER: B

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

