

Daily Current Affairs

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ICG Conducts 12th SAREX-2026

- The Indian Coast Guard conducted the 12th National Maritime Search and Rescue Exercise (SAREX-2026) off Paradip, Odisha, under the aegis of the National Maritime Search and Rescue Board (NMSARB) on October 08, 2026.
- Under the theme “**Leveraging Technology to Strengthen SAR Preparedness and Maritime Safety**”, the exercise brought together maritime and aeronautical agencies to demonstrate operational readiness, interoperability and coordinated response to mass rescue operations at sea.
- The exercise was reviewed by Director General Paramesh Sivamani, DG, ICG and witnessed participation from Coast Guard, Navy, Air Force, Shipping Corporation of India, Directorate General of Shipping, Fisheries, Customs, Marine Police, Paradip Port Authority, and Odisha State Administration.
- 32 observers from 30 countries also participated in the exercise, marking a significant step towards strengthening international cooperation in maritime Search and Rescue.
- The assets deployed included 15 Coast Guard ships, three Dornier aircraft, three Advance Light Helicopters, one Chetak helicopter, IAF C-130J and Mi-17 aircraft, two Indian Navy ships, along with civil and state resources and shore-based support units.
- SAREX-2026 reaffirmed the collective resolve of India and its international partners to build a faster, technology-enabled and seamlessly coordinated Search and Rescue framework, in line with the vision of SAGAR and the spirit of MAHASAGAR.



INS Kulish Arrives At Tuas Terminal, Singapore

- Indian Naval Ship Kulish arrived at Tuas Terminal, Singapore, on 06 Oct 2026 for Operational Turnaround (OTR) as part of the Indian Navy's ongoing Eastern Fleet Operational Deployment.
- The port call forms part of the Indian Navy's engagement with Singapore and reflects the strong ties between the two countries. The visit provides an opportunity for continued interaction and reinforces the importance accorded to bilateral maritime engagement.
- During the port call, the Commanding Officer of INS Kulish will call on the High Commissioner of India to Singapore. The Commanding Officer will also lay a wreath at the Kranji War Memorial, marking the historical association between the two countries.
- The visit is aligned with India's commitment to fostering collective maritime security and promoting regional cooperation. It further contributes to strengthening the shared vision of a safe, secure and inclusive maritime environment.



ISRO To Build Human Space Analog Habitat In Bangalore

- ISRO through its Human Space Flight Centre (HSFC), has floated a tender to design and establish a Human Space Analog System (HSAS) at its Astronaut Training Facility in Bangalore.
- The project marks a significant step in India's efforts to prepare astronauts for extended human spaceflight missions. At present, Indian astronauts, including recent Gaganyaatri Shubhanshu Shukla, have undergone specialised training in Russia due to the absence of a comparable facility in India.
- The proposed habitat will be constructed within the Simulator Hall of the training complex and will replicate the isolated, confined and resource-constrained conditions that astronauts may encounter during prolonged missions in space.
- Designed to support simulated missions lasting up to 60 days, the facility will enable researchers to study crew performance, psychological wellbeing, human factors, scientific experiments, systems integration and mission operations in a controlled environment.
- The initiative forms part of India's human spaceflight preparations under the Gaganyaan program and is expected to play a vital role in training and assessing future Gaganyatris for longer-duration missions.
- The lower level will house three crew workstations, equipment racks and a payload rack. The upper level will include a galley, dining area, avionics

dashboard and exercise equipment such as a treadmill, cycle ergometer and strength trainer.

- A separate crew accommodation module will feature two-storey sleeping bunks, a vacuum toilet, a mist shower and a waterless washing machine to simulate realistic living conditions during extended missions.
- A key feature of the facility will be its closed-loop habitability system designed to support a four-member crew while maintaining tightly controlled environmental conditions.
- Temperature levels will be maintained between 20°C and 25°C, while carbon dioxide concentrations will normally remain below 1,000 ppm.
- Researchers will also be able to activate an experimental mode that raises carbon dioxide levels to as much as 5,000 ppm, allowing studies of crew performance and physiological responses under off-nominal conditions.
- More than 200 sensors distributed throughout the facility will track environmental and operational parameters including temperature, humidity, pressure, oxygen, carbon dioxide, carbon monoxide, particulate matter, volatile organic compounds, noise levels, lighting conditions and water quality.
- The habitat will also feature tunable circadian lighting systems, with LED units adjustable between 2,700K and 6,500K to replicate natural day-night cycles and help researchers evaluate the effects of controlled lighting on crew health and performance during extended isolation.



Brazil-India Space Partnership

- Concert Technologies, a member of the MLBR (Brazilian Micro-Launcher (Microlançador Brasileiro) program, has signed a MoU with Indian private aerospace company Skyroot Aerospace during the International Astronautical Congress (IAC) 2026 in Antalya, Turkey, to jointly develop a new launch vehicle capable of placing at least 100 kg into low Earth orbit (LEO).
- The initiative represents a significant step forward in Brazil-India space industry collaboration, bringing together technologies, expertise and industrial capabilities developed through the MLBR program and Skyroot Aerospace's launch vehicle activities.
- The proposed launcher is intended to fill the capability gap between the MLBR vehicle, which is designed to carry payloads of up to 40 kg, and Skyroot Aerospace's larger Vikram family of launch vehicles.
- A key objective of the partnership is to address growing global demand for dedicated satellite launch services, particularly for missions targeting equatorial orbits, where geographic advantages can provide operational and performance benefits.



Greece Agrees Up to \$4 billion US Arms Deal

- Greece has agreed to spend up to \$4 billion upgrading more of its F-16 fighter jets and buying advanced missiles from the US, two senior sources told Reuters on Thursday, a day after a visit by US Secretary of State Marco Rubio.

- Greece had already planned to spend about €28 billion by 2036 to buy US made F-35 fighter jets and helicopters, and to build the "Achilles Shield" a multi-layer anti-ballistic and anti-aircraft system with Israeli-made weapons.
- "The agreement includes new advanced missiles and bombs for the F-16 Viper the F-35 fighter jets, and the Black Hawk helicopters. Also, the upgrade of old F-16 fighter jets to Viper version".
- Greece agreed to buy 20 Lockheed Martin F-35 fighter jets and 35 Sikorsky UH-60M Black Hawk helicopters in 2024. Is upgrading to about 82 F-16s to Viper version and wants to upgrade 37 more Block 50s to Vipers at a cost of about \$1 billion.
- The move is part of Greece's bid to modernise its armed forces as it emerges from the 2009-18 debt crisis that led to years of austerity.



REVIEW QUESTIONS

1. Where was the 12th National Maritime Search and Rescue Exercise (SAREX-2026) conducted?

- A. Kochi, Kerala
- B. Paradip, Odisha
- C. Mumbai, Maharashtra
- D. Visakhapatnam, Andhra Pradesh

Answer: B. Paradip, Odisha

2. What was the theme of SAREX-2026?

- A. Securing the Indian Ocean Region
- B. Maritime Cooperation for Global Peace
- C. Leveraging Technology to Strengthen SAR Preparedness and Maritime Safety
- D. Building a Stronger Blue Economy

Answer: C. Leveraging Technology to Strengthen SAR Preparedness and Maritime Safety

3. INS Kulish arrived at which terminal in Singapore on 6 October 2026?

- A. Changi Terminal
- B. Tuas Terminal
- C. Jurong Terminal
- D. Keppel Terminal

Answer: B. Tuas Terminal

4. Which ISRO centre is responsible for the proposed Human Space Analog System project?

- A. Vikram Sarabhai Space Centre
- B. Satish Dhawan Space Centre
- C. Human Space Flight Centre
- D. Liquid Propulsion Systems Centre

Answer: C. Human Space Flight Centre

5. The proposed Human Space Analog System is designed to simulate missions lasting up to how many days?

- A. 30 days
- B. 45 days
- C. 60 days
- D. 90 days

Answer: C. 60 days

6. Which Indian private aerospace company signed an MoU with Brazil's Conquest Technologies for joint launch-vehicle development?

- A. Agnikul Cosmos
- B. Skyroot Aerospace
- C. Pixxel
- D. Dhruva Space

Answer: B. Skyroot Aerospace

7. What is the targeted minimum payload capacity of the proposed Brazil-India launch vehicle for low Earth orbit?

- A. 40 kg
- B. 60 kg
- C. 80 kg
- D. 100 kg

Answer: D. 100 kg

8. Which air-defence initiative is part of Greece's broader military modernisation programme?

- A. Iron Dome
- B. Achilles Shield
- C. David's Sling
- D. Patriot Shield

Answer: B. Achilles Shield

9. NAVIC Stands For

- A. India Regional Navigation Satellite System
- B. Indian Regional Navigator Satellite System
- C. Indian Regional Navigation Satellite Source
- D. Indian Regional Navigation Satellite System

ANSWER: D

10. Major Rank Of the Indian Army Is Equivalent To Which Rank Of The Indian Navy?

- A. Captain
- B. Inspector
- C. Lt Commander
- D. Vice-admiral

ANSWER: C

11. Training Command of IAF is located at

- A. New Delhi
- B. Bangalore
- C. Gurugram
- D. Lucknow

ANSWER: B

12. Captain Of Indian Army Is Equivalent To Rank Of IAF Is

- A. Wing Commander
- B. Squadron Leader
- C. Flight Lt.
- D. Air Chief Marshal

ANSWER: C

13. Colonel Rank Of Indian Army Is Equivalent To Rank Of Indian Navy Is

- A. Commander
- B. Captain
- C. Group Captain
- D. Lieutenant

ANSWER: B

14. Warsaw Is The Capital Of

- A. Oman
- B. Germany
- C. Ukraine
- D. Poland

ANSWER: D

15. "Indian Fiscal Federalism" Book Is Written By

- A. Dr. Bibek Debroy
- B. Dr. Krishna Saksena
- C. Dr. Y.V. Reddy
- D. Jairam Ramesh

ANSWER: C

16. Tangail Airdrop Was Done At Which War

- A. 1948
- B. 1962
- C. 1965
- D. 1971

ANSWER: D

17. War Cry of NAGA REGIMENT

- A. Bharat Mata ki Jai
- B. Ki ki so so Lhargyalo
- C. Jai Durga Naga

D. Durga Mata Ki Jai

ANSWER: C

18. Sankalp-class OPV Designed And Built By

A. Goa Shipyard Limited

B. GRSE

C. MDL

D. CSL

ANSWER: A

19. Which State of India Has The Longest Coastline?

A. Gujarat

B. Andhra Pradesh

C. Tamil Nadu

D. Kerala

ANSWER: A

20. Mitra Shakti Ex Held B/w India &

A. Sri Lanka

B. USA

C. UK

D. Nepal

ANSWER: A