



MARCH 2025  
VOL 3  
1ST MAR - 15TH MAR

# CURRENT AFFAIRS

**MAR  
2025**

**VOL 3**

## IMPORTANT EVENTS

DETAILS OF IMPORTANT  
EVENTS

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## IMPORTANT DATES

IMPORTANT DATES  
RELATED TO JANUARY

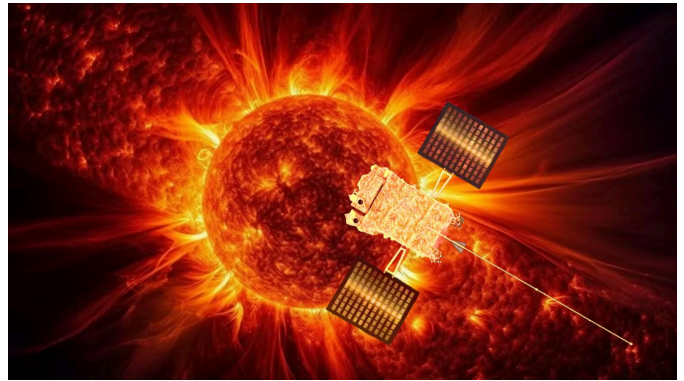
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## EXPLANATIONS

DETAILED  
EXPLANATION OF  
EACH EVENT

# 1ST MARCH 2025

- India's first dedicated space-based solar mission, Aditya-L1, has achieved milestone. On February 22, 2025, the Solar Ultraviolet Imaging Telescope (SUIT) onboard Aditya-L1 captured the first-ever image of a solar flare 'kernel' in the lower solar atmosphere. This observation is crucial for understanding solar activity and its effects on Earth.
- Recent studies have revealed alarming information regarding Arctic glaciers and their role in climate change. Researchers have identified that melting glaciers are releasing substantial amounts of methane, a potent greenhouse gas. This process, termed "glacial fracking," poses risk as it may contribute to accelerating global warming. The discovery was made during an investigation of Vallåkrabreen, a glacier in Svalbard.



- The Government of India has successfully established 10,000 Farmer Producer Organisations (FPOs) as part of its flagship scheme. This initiative, launched in February 2020, aims to enhance agricultural productivity and boost rural economies. The milestone was marked by the registration of the 10,000th FPO in Khagaria district, Bihar. This FPO focuses on maize, banana, and paddy cultivation.

# 2ND MARCH 2025

- On March 2, 2025, Firefly Aerospace successfully landed its spacecraft, Blue Ghost Mission 1, on the Moon. This marks only the second private mission to achieve a lunar landing and the first to do so upright. This milestone reflects the growing trend of commercial space exploration and NASA's collaboration with private companies.



- Recently, President Donald Trump signed an executive order establishing English as the official language of the United States. This marked a historical shift, as the US had never designated an official language since its founding. The order rescinds a policy from 2000 that required federal agencies to provide language assistance to non-English speakers. This change reflects a long-standing effort to unify communication and promote national values.
- The discovery of a new species of spined loach, *Cobitis beijingensis*, marks a milestone in the biodiversity of Beijing. This finding is the first of its kind in over 40 years and marks the ongoing efforts to restore aquatic ecosystems in urban areas. The research was conducted by the Institute of Zoology, Chinese Academy of Sciences, and represents a commitment to conservation and ecological awareness.



# 3RD MARCH 2025



- February 2025 marked climatic event in India, being the hottest February recorded in the last 125 years. According to the India Meteorological Department (IMD), the average temperature reached 22.04°C. This month was also one of the driest, with rainfall less than half of the normal levels. The situation was particularly severe in Central and South India, while the East and Northeast regions fared slightly better.

- Researchers recently discovering two new species of jumping spiders in India and a unique leaf-nosed bat in Sri Lanka. These findings highlight the ecological richness of the region and the need for further exploration and conservation efforts.



- The rhino census in Nepal, conducted every five years, is now in jeopardy. The suspension of USAID funding has created a financial crisis for the Department of National Parks and Wildlife Conservation. This department relies on various partnerships to carry out the census. The last census took place in 2021 and indicated a population of 752 one-horned rhinos in the country.

# 4TH MARCH 2025

- The Ganges river dolphin, a unique species found in the freshwater systems of India, has been the focus of a recent comprehensive survey. Conducted over several years, the study has revealed a total of 6,327 dolphins in the Ganga River and its tributaries. This is the first reliable estimate using standardised methods, marking milestone in conservation efforts.



- The rise in swine flu (H1N1) cases in India has alarmed health authorities. By December 2024, over 20,414 infections and 347 fatalities were reported. States like Delhi, Kerala, and Maharashtra are particularly affected.



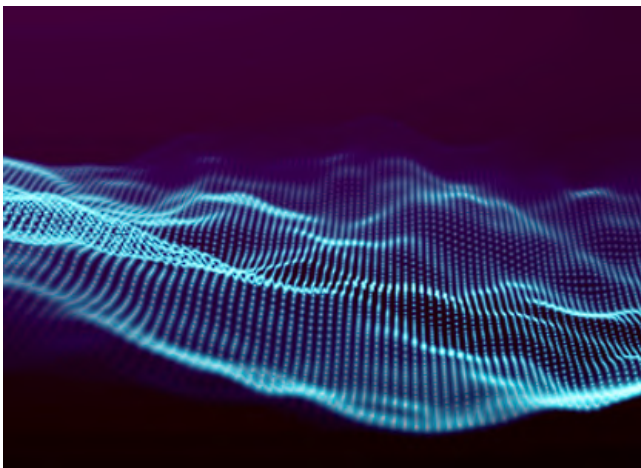
- Currently, the global demand for copper is escalating. This surge is driven by the rise of electric vehicles and clean energy technologies. Countries like India, China, and the United States are prioritising the establishment of secure supply chains.

# 5TH MARCH 2025

- Recently, India launched the Cities Coalition for Circularity (C-3). This initiative aims to encourage collaboration between cities for sustainable urban development. It serves as a platform for sharing knowledge, engaging private sectors, and discussing waste management solutions.



- The Indian government launched the Project Lion to protect and expand the population of Asiatic lions. The project was approved with a substantial budget of Rs 2,927.71 crore, reflecting the government's commitment to wildlife conservation.



- Recent advancements in condensed matter physics have illuminated the concept of Bose metals. These materials exhibit unique electrical properties at low temperatures. Their study is crucial for understanding complex quantum behaviours in metals. Researchers have recently reported strong evidence suggesting that niobium diselenide ( $\text{NbSe}_2$ ) may act as a Bose metal. This discovery could reshape our understanding of superconductivity.

# 6TH MARCH 2025

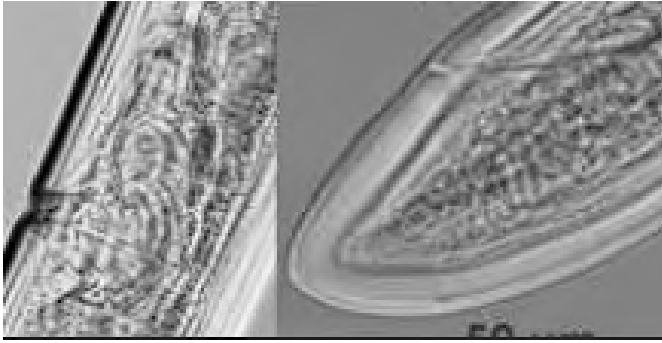
- The Defence Bio-Engineering & Electro Medical Laboratory (DEBEL) has achieved milestone in defence technology with the successful high-altitude trials of the Indigenous On-Board Oxygen Generating System (OBOGS)-based Integrated Life Support System (ILSS) for the LCA Tejas aircraft. Conducted on 4 March 2025, this trial marks important advancement in ensuring pilot safety and performance during high-altitude flights.



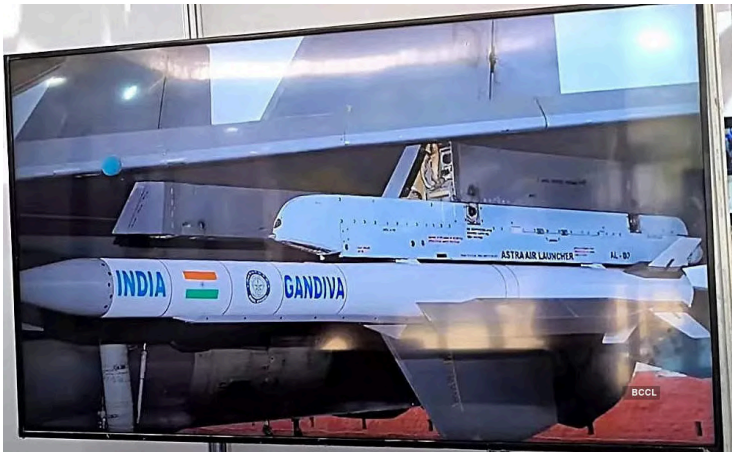
- NASA's Voyager spacecraft continue to provide invaluable data from interstellar space. As of March 2025, NASA has initiated energy-saving measures to prolong their missions. This decision comes as Voyager 1 and Voyager 2 operate beyond the Sun's heliosphere. Both spacecraft have exceeded their initial mission parameters and are now focused on studying the interstellar medium.
- The Wallace Line is concept in biogeography. It marks the distinct biodiversity found in Asia and Australia. This line was identified by Alfred Russel Wallace in the late 19th century. He observed a sharp contrast in species composition between these two regions. The Wallace Line runs between Bali and Lombok, extending north between Borneo and Sulawesi, and curves south of Mindanao. This geographical barrier has deep implications for the distribution of species.



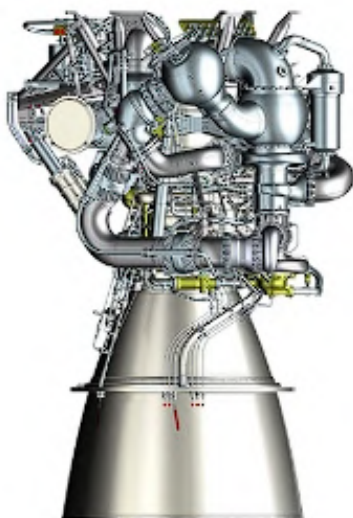
# 7TH MARCH 2025



- Recent discoveries in the field of zoology have brought into light the importance of soil-dwelling nematodes. Scientists from the Zoological Survey of India have identified a new species named *Crassolabium dhritiae* in Odisha's Keonjhar district. This discovery is for understanding soil ecosystems and biodiversity.



- India's Defence Research and Development Organisation (DRDO) has officially named its latest air-to-air missile the Gandiva. This missile is advancement in aerial combat technology. It is designed for beyond visual range (BVR) engagements, which are crucial in modern warfare. The Gandiva missile is expected to enhance India's military capabilities, particularly against potential adversaries.

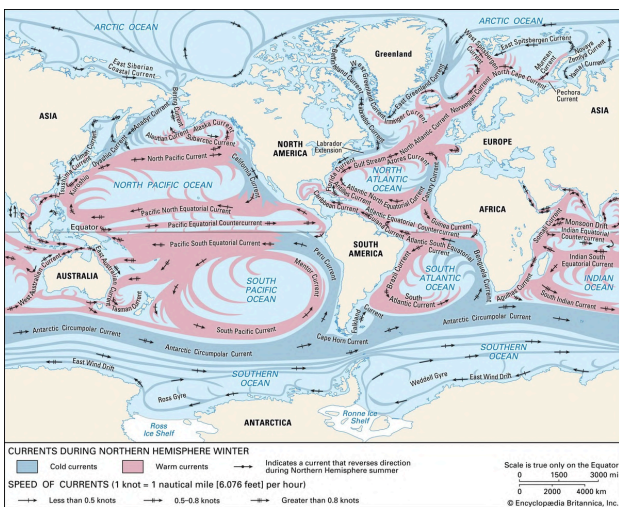


- The Indian Space Research Organisation (ISRO) has made strides in developing a semi-cryogenic engine, specifically the SE2000. This engine is crucial for enhancing the power of launch vehicles. Recently, ISRO conducted a successful hot test known as the Power Head Test Article (PHTA). This test marks a very important step towards finalising the engine's design and functionality.



# 8TH MARCH 2025

- ISRO is advancing its capabilities in space technology by developing a LOX-methane engine for its Next Generation Launch Vehicle (NGLV). This new engine features a reusable booster stage and two expendable upper stages. The initiative aims to enhance mission flexibility through multiple restarts. Recent successful tests of a spark torch igniter mark step forward in this ambitious project.



- Recent research has revealed alarming changes in the Antarctic Circumpolar Current (ACC). This vital ocean current is slowing down, primarily due to melting ice sheets. Conducted by the University of Melbourne and the NORCE Norwegian Research Centre, the study indicates that the ACC could decelerate by 20 per cent by 2050. This phenomenon poses global implications for climate regulation and marine ecosystems.



- The IndiaAI Mission has marked its first anniversary with advancements in artificial intelligence. On this occasion, Union IT Minister Ashwini Vaishnaw introduced the IndiaAI compute portal and the AIKosha dataset platform. These initiatives aim to enhance access to AI resources and encourage innovation across various sectors.

# 9TH MARCH 2025

- Prime Minister Narendra Modi was awarded the 'Honorary Order of Freedom of Barbados' in recognition of his leadership during the COVID-19 pandemic. The award was presented by Pabitra Margherita, Minister of State for External Affairs and Textiles, during a ceremony in Bridgetown, Barbados. This honour symbolises the strong diplomatic ties between India and Barbados.

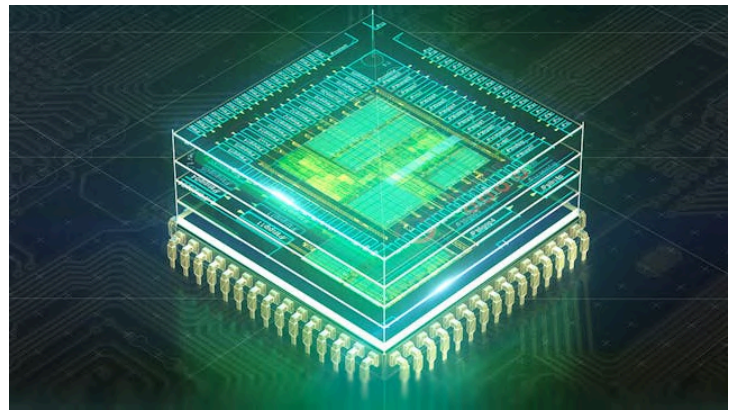


- In move to enhance its military capabilities, the Indian Ministry of Defence has signed a contract with Rosoboronexport of Russia. This \$248 million deal involves procuring 1,000 HP engines for T-72 tanks. The agreement also includes the transfer of technology to Indian manufacturers. This initiative aligns with India's "Make in India" programme, aimed at boosting domestic defence production.
- The Dharavi Redevelopment Project is urban rehabilitation initiative in Mumbai. Recently, the Supreme Court of India upheld the project's continuation despite challenges to its awarding. The project was granted to the Adani Group in 2022, following the cancellation of a previous bid won by Seclink Technology Corporation (STC). The court's decision comes amid ongoing construction and scrutiny regarding the tender process.



# 10TH MARCH 2025

- The Government of India has introduced a modified Ethanol Interest Subvention Scheme. This initiative aims to enhance the operational viability of Cooperative Sugar Mills (CSMs). The scheme allows these mills to convert their existing sugarcane-based ethanol plants into multi-feedstock facilities. This enables the use of grains such as maize and damaged food grains (DFG) alongside sugarcane. The goal is to ensure continuous operation and improve productivity throughout the year.
- Recently, NITI Aayog established the NITI Frontier Tech Hub to enhance India's capabilities in this field. A strategic paper was released detailing the implications of quantum computing on national security. This document marks how quantum technology will reshape various sectors and enhance security measures.



# 11TH MARCH 2025

- Recently, the Madhav National Park in Madhya Pradesh was officially declared India's 58th tiger reserve. This announcement was made by Union Environment Minister Bhupender Yadav. Madhav National Park is the ninth tiger reserve in Madhya Pradesh, denoting the state's commitment to wildlife conservation. The reserve currently houses five tigers, including two recently born cubs. The government plans to introduce two more tigers to enhance the population.



- On March 10, 2025, the Lok Sabha passed the Bills of Lading Bill, 2025. This legislation updates the colonial-era shipping laws of 1856. The new Bill aims to align with international standards and simplify shipping documentation.
- Gully erosion is affecting 77 districts across India. This issue is primarily concentrated in eastern and southern India. The findings align with the United Nations' agenda to combat land degradation by 2030. As global land degradation affects 20 to 40 per cent of the world's areas, India faces a critical challenge.



# 12TH MARCH 2025

- Prime Minister Narendra Modi was awarded the Grand Commander of the Order of the Star and Key of the Indian Ocean by Mauritius. This prestigious accolade is the highest civilian honour in Mauritius. Modi is the first Indian to receive this honour. It puts stress on the historical ties between India and Mauritius. The award was presented by Mauritius Prime Minister Navinchandra Ramgoolam, who brought into light Modi's contributions to strengthening bilateral relations.



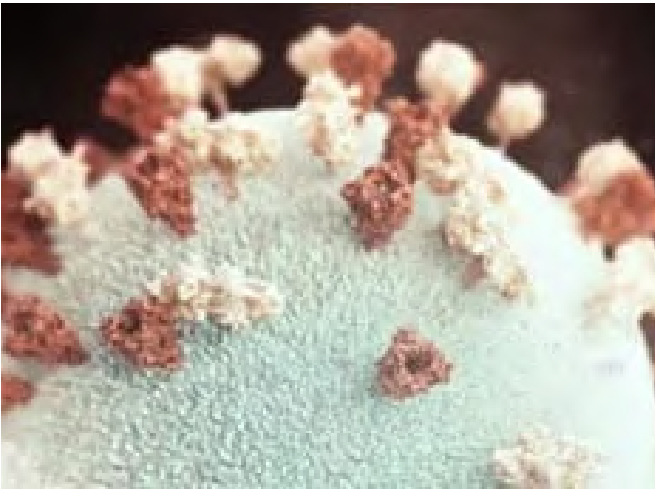
- Recently, the UK-based biotech company Tropic introduced a genetically-engineered banana that resists browning. This innovation aims to reduce food waste and its environmental impact. Bananas are known for their rapid spoilage. Approximately 50% of the banana crop is wasted annually. The new banana variety remains fresh and yellow for longer, contributing to sustainability.



- China has recently deployed a sophisticated radar system in Yunnan province, close to the Myanmar border. This Large Phased Array Radar (LPAR) enhances China's surveillance capabilities. It can monitor vast areas, including the Indian Ocean and parts of Indian territory. The radar's range exceeds 5,000 kilometres, allowing it to track India's missile tests in real-time.

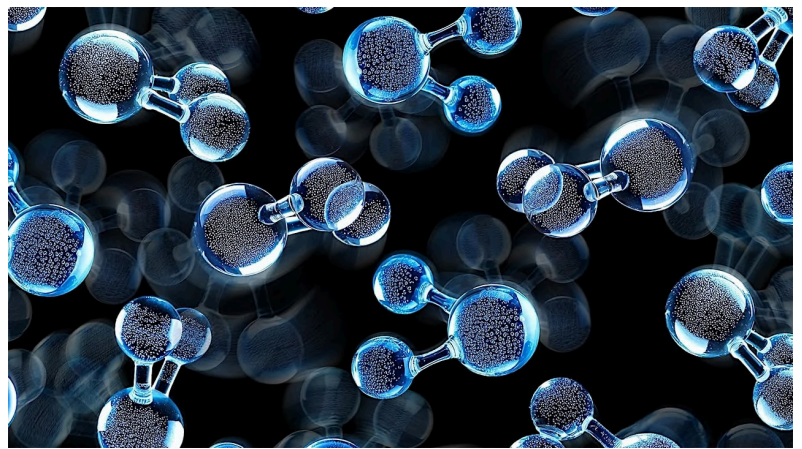


# 13TH MARCH 2025



- Recent reports indicate that five students from a private school in Kalamassery, Kerala, have shown symptoms of viral meningitis. Samples have been sent for testing to the National Institute of Virology. This situation marks the importance of understanding viral meningitis, its symptoms, causes, and preventive measures.

- Scientists have confirmed the existence of Plastic Ice VII, a fourth form of water that emerges under extreme conditions. This revelation, led by Livia Bove from Sorbonne University, alters our comprehension of water's behaviour in harsh planetary environments.
- The Ministry of Mines is launching India's first auction of Exploration Licences (ELs) in Goa. This reform aims to unlock critical mineral resources. The event will occur on March 13, 2025, and will feature a roadshow and the AI Hackathon 2025. This hackathon focuses on using artificial intelligence for mineral targeting. The initiative supports the government's commitment to enhance mineral security and self-reliance.



# 14TH MAR 2025

- Recent studies have brought into light findings regarding the Javan rhinoceros, a critically endangered species. Researchers suggest that this rhino should be placed in a new genus, Eurhinoceros, due to distinct morphological and ecological traits. This revision puts stress on the need for a deeper understanding of its evolutionary history and conservation status.



- The India-Bangladesh Naval Exercise Bongosagar 2025 took place in March 2025 in the Bay of Bengal. This event marked step in strengthening the bilateral military relationship between India and Bangladesh. The exercise aimed to enhance maritime security through collaborative operations and interoperability between the two navies. INS Ranvir, a destroyer from the Indian Navy, and BNS Abu Ubaidah, a frigate from the Bangladesh Navy, were the main vessels involved.
- The World Health Organization (WHO), in its report titled “Compassion and Primary Health Care”, emphasises how compassion can transform health services. This reflects a growing recognition of compassion as essential for enhancing health outcomes and improving the patient experience.

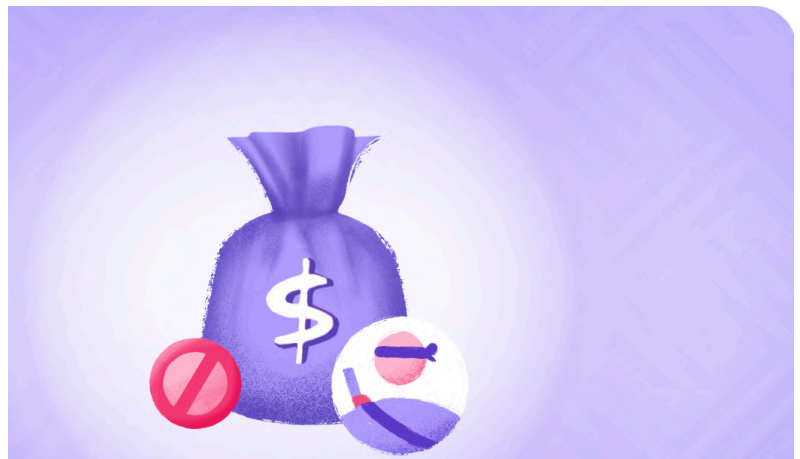


# 15TH MAR 2025



- Recently, the Aeronautical Development Agency (ADA) successfully conducted a test launch of the Astra missile from the Light Combat Aircraft (LCA) AF MK1 prototype. This milestone event occurred off the coast of Chandipur, Odisha. The successful launch demonstrated the missile's accuracy and effectiveness, marking progress in India's indigenous defence capabilities.

- On January 16, 2025, the Indian Space Research Organisation (ISRO) achieved milestone in space exploration by successfully docking two satellites, SDX01 and SDX02. Following this, on January 30, ISRO completed a complex de-docking process. This achievement marks India's entry into an elite group of countries capable of such advanced space operations.
- Recently, India reaffirmed its commitment to combat terrorism at the 4th 'No Money for Terror' Conference. The nation emphasised the importance of global unity against terrorism. India brought into light the evolving complexities in terror financing due to advancements in digital technology. This has made tracking the flow of funds more challenging.







**FEB 2025**

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