



November - 08

TNPSC BITS

- ❖ Sahitya Akademi released the Hindi translation of the acclaimed Lithuanian novel *The Last Day*, titled “Antim Din”, in New Delhi.
 - The novel is written by Lithuanian-Ukrainian author Jaroslavas Melnikas.
- ❖ India has ended its military presence at the Ayni Airbase in Tajikistan after the bilateral agreement with Tajikistan expired around four years ago.
- ❖ Maharashtra becomes first Indian state to partner with Starlink to deliver satellite-based internet in remote, underserved regions.

TAMIL NADU NEWS

Mini-Tidel Park in Vellore

Vellore's Tidel Park takes shape. Chief Minister M.K.Stalin today laid foundation stone for a Tidel Neo a mini version of Tidel Park in Vellore. The Tidel Neo at Vellore was announced by Finance Minister P.T.R. Palanivel Thiagarajan in the 2021-22 budget along with similar facilities in Villupuram, Tiruppur and Thoothukudi. The facility in Vellore will come up inside the government ITI campus.

- ❖ Tamil Nadu Chief Minister inaugurated the first mini-Tidel Park in Abdullapuram village, Vellore.
- ❖ The park is part of the State's initiative to establish such facilities in Tier II and Tier III cities like Coimbatore, Madurai, Tiruchi, Karur, and Salem.
- ❖ Similar mini-Tidel Parks are being built in Tiruvannamalai, Thiruporur, and Karaikudi to expand Information Technology (IT) infrastructure across Tamil Nadu.

- ❖ At present, mini-Tidel Parks are operational in Salem, Thanjavur, Villupuram, and Pattabiram near Avadi, while new ones are coming up in Kanyakumari, Tiruppur, Virudhunagar, Hosur, and Nagapattinam.

Vijayanagara-era Gold Coins in Tiruvannamalai

- ❖ A total of 103 punch-marked gold coins were unearthed at a Shiva temple in Kovilur, Tiruvannamalai district.
- ❖ Archaeologists estimate the coins to be around 600 years old, dating back to the Vijayanagara era.
- ❖ The coins bear the emblem of a pig, a symbol used by Vijayanagara rulers.
- ❖ Vijayanagara Empire spanned from 1336 to the end of the 17th century.



Artificial Rain Experiments in Tamil Nadu

- ❖ Tamil Nadu began exploring artificial rain-making (cloud seeding) in 1970 under discussions between the India Meteorological Department (IMD) and the State government.
- ❖ The first trials were held in 1973 around Tiruvallur by the Indian Institute of Tropical Meteorology (IITM), but no conclusive results were achieved.
- ❖ In 1975, a Canadian firm conducted cloud-seeding operations over Chennai and the Nilgiris at a cost of ₹12 lakh, reporting around a 20% increase in rainfall.
- ❖ In 1983, another series of operations was carried out by an American team led by Thomas Henderson, costing ₹26 lakh, followed by more trials in 1984.
- ❖ The State government purchased an aircraft in 1983 for cloud-seeding.
- ❖ In 1993, new trials were conducted, but scientists concluded that the rainfall increase did not exceed 20% above normal levels.

- ❖ Later plans announced in 2003 under CM J. Jayalalithaa were not implemented due to unsuitable weather conditions.
- ❖ With the addition of Krishna water, Veeranam tank, and desalination plants, Tamil Nadu's reliance on artificial rain-making has become unnecessary in recent years.



NATIONAL NEWS

Legal Metrology Amendment Rules, 2025

- ❖ The Department of Consumer Affairs, Ministry of Consumer Affairs, Food and Public Distribution, notified the Legal Metrology (Packaged Commodities) Amendment Rules, 2025 on 29 October 2025.
- ❖ The amendment aligns the Legal Metrology (Packaged Commodities) Rules, 2011, with the Medical Devices Rules, 2017, for packages containing medical devices.
- ❖ The provisions specify that for medical device packages, the font height and width of numerals and letters shall follow the Medical Devices Rules, 2017.
- ❖ Declarations on medical device packages may be made as per the Medical Devices Rules instead of the Principal Display Panel requirements under Legal Metrology.

- ❖ The amendment ensures a single, clear, and consistent labelling standard for medical devices to strengthen consumer protection and reduce regulatory confusion.

Department of Consumer Affairs Notifies Legal Metrology (Packaged Commodities) Amendment Rules, 2025

Harmonisation with Medical Device Rules to Benefit Consumers, Industries and Regulators

Clear Declarations – Stronger Consumer Confidence

Aligned Standards for a Healthier India

Towards a Transparent and Healthy India

Naval Commanders Conference 2025



- ❖ The second edition of the biannual Naval Commanders' Conference 2025 was held at Nausena Bhawan, New Delhi.
- ❖ The conference has focused on operational preparedness, maritime security, capability development, and Tri-Service integration.
- ❖ Five naval publications were released, including the Regulations for Naval Armament Service, the Government e-Marketplace (GeM) Handbook, and the Foreign Cooperation Roadmap.
- ❖ The Naval Intellectual Portal for Unified Knowledge (NIPUN) was launched as an aggregator of naval research and intellectual work.

- ❖ The Sagar Manthan event deliberated on contemporary maritime and defense issues.

India's Naval Exercise 2026

- ❖ India has excluded China and Turkey from the International Fleet Review in 2026.
- ❖ The decision follows their support for Pakistan during the India-Pakistan conflict earlier in 2025.
- ❖ 55 other countries, including the United States and Russia, will participate in the exercises in Visakhapatnam from February 17 to 25, 2026.



ECONOMY NEWS

FDI Inflows in FY25

- ❖ The United States and Singapore together contributed over one-third of foreign direct investment (FDI) in India during 2024-25.
- ❖ Out of 45,702 reporting entities, 41,517 reported FDI or overseas direct investment (ODI) in March 2025.
- ❖ Over three-fourths of companies receiving FDI were subsidiaries of foreign companies holding more than 50% equity.
- ❖ The total FDI during 2024-25 was ₹68,75,931 crore, with the U.S. contributing 20% and Singapore 14.3%.
- ❖ The manufacturing sector received the largest share of FDI at 48.4% by market value, followed by the services sector.



- ❖ More than 97% of FDI-receiving entities were unlisted, and non-financial companies held 90.5% of equity at face value.

FDI Inflows in FY25



The United States and Singapore together contributed over one-third of foreign direct investment (FDI) in India during 2024-25.



Out of 45,702 reporting entities, 41,517 reported FDI or overseas direct investment (ODI) in March 2025.



Over three-fourths of companies receiving FDI were subsidiaries of foreign companies holding more than 50% equity



The total FDI during 2024-25 was ₹68,75,931 crore, with the U.S. contributing 20% and Singapore 14.3%



The manufacturing sector received the largest share of FDI at 48.4% by market value, followed by the services sector



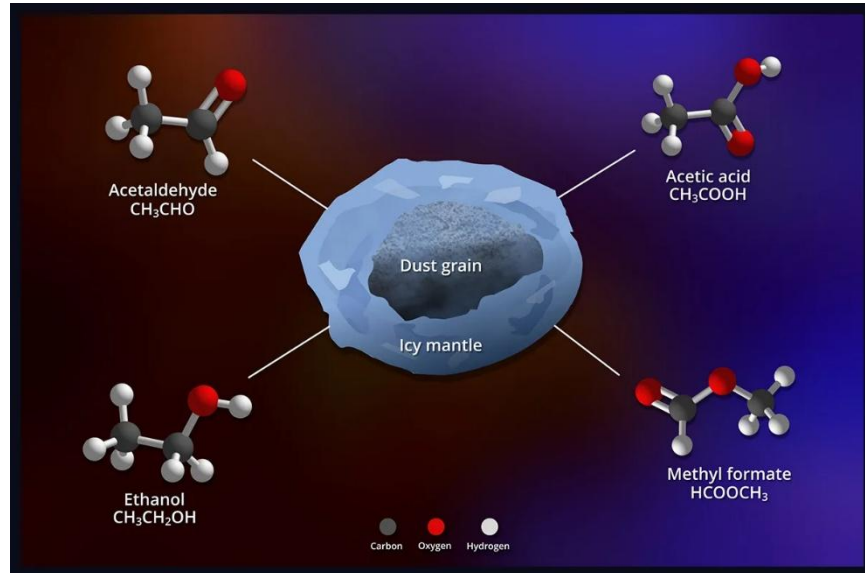
More than 97% of FDI-receiving entities were unlisted, and non-financial companies held 90.5% of equity at face value

SCIENCE AND TECHNOLOGY NEWS

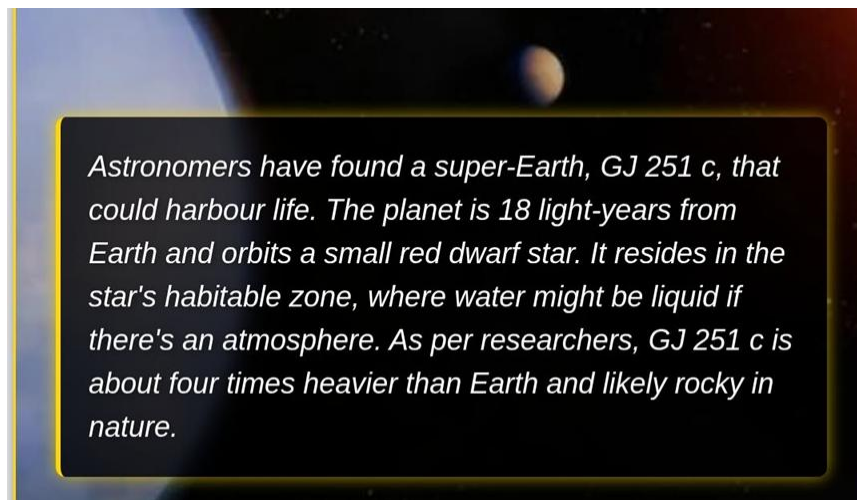
Life's Building Blocks in Nearby Galaxy

- ❖ Using the James Webb Space Telescope (JWST), astronomers detected five complex organic molecules - methanol, acetaldehyde, ethanol, methyl formate, and acetic acid.
- ❖ These molecules were found around a protostar called ST6 in the Large Magellanic Cloud (LMC), 160,000 light-years away.
- ❖ Acetic acid was detected in space for the first time, while methanol was previously known.
- ❖ Tentative signs of glycolaldehyde, a sugar precursor for RNA, were also observed.

- ❖ The LMC's metal-poor environment mirrors early universe conditions, showing that dust grains can spark complex chemistry even with few heavy elements.
- ❖ These findings provide insights into how life's building blocks may have formed in the early universe.



Super Earth - GJ 251 c

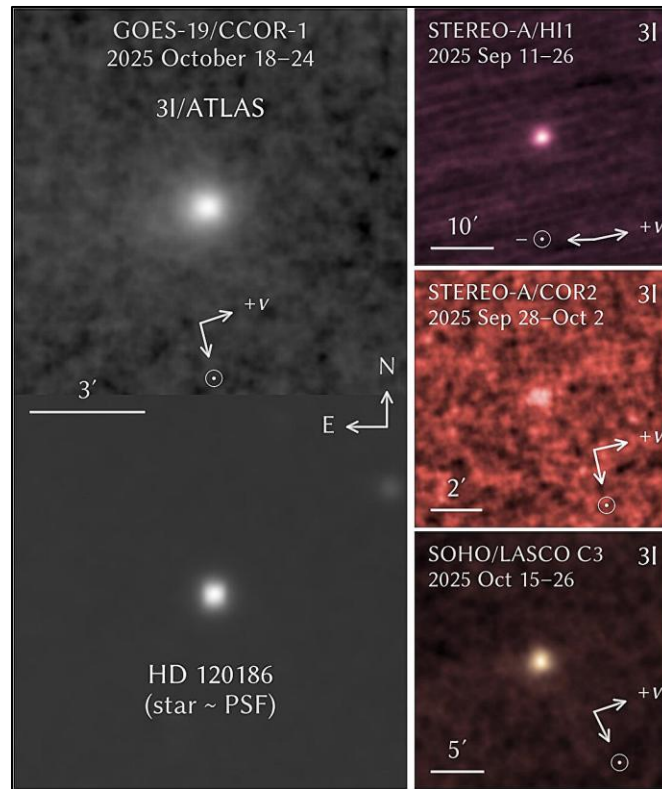


- ❖ Astronomers discovered GJ 251 c, a rocky exoplanet almost 4 times the mass of Earth, orbiting a nearby dwarf star less than 20 light-years away.
- ❖ The planet lies in the habitable “Goldilocks Zone”, where liquid water could exist if it has the right atmosphere.
- ❖ Discovery made using the Habitable-Zone Planet Finder (HPF), analyzing over 20 years of data.

- ❖ Researchers detected the planet by observing the “wobble” of its host star, caused by the planet’s gravity.

Interstellar Comet 3I/ATLAS

- ❖ The interstellar comet 3I/ATLAS is accelerating unexpectedly as it moves away from the Sun and toward Earth.
- ❖ Observations suggest it lost significant mass during its perihelion (closest approach to the Sun), causing non-gravitational acceleration.
- ❖ Its speed increased from over 130,000 mph to around 152,000 mph.
- ❖ The acceleration cannot be fully explained by the Sun's gravity.
- ❖ Estimated mass loss is over 13% near perihelion.
- ❖ The comet is six weeks away from its closest approach to Earth.



ENVIRONMENT NEWS

Olive Ridley Turtle Protection

- ❖ A 7-month fishing ban is in effect from November 1 to May 31 in Gahirmatha Marine Sanctuary in Kendrapada, Odisha.

- ❖ The ban aims to protect the endangered Olive Ridley Sea turtles during their mating and nesting season.
- ❖ The turtles arrive in November, and the female turtles lay eggs in March.
- ❖ The forest department has set up fourteen turtle protection camps, including four offshore camps at Madali, Sasanipada, Ekakula, and Babubali islands.
- ❖ The sanctuary covers 1,435 square kilometers from Hukitola to Dhamra, and fishing is restricted within 20 kilometers of the coastline.
- ❖ In March 2025, 606,933 turtles laid eggs, and Odisha hosts 50 % of the world's Olive Ridley population and 90 % of India's sea turtles.



REPORTS AND INDICES

Global Inequality Crisis

- ❖ India's richest 1% increased their wealth by 62% between 2000 and 2023, according to a G20 report.
- ❖ Globally, the top 1% captured 41% of all new wealth created from 2000 to 2024, while the bottom half of humanity received only 1%.
- ❖ Some populous countries like China and India have reduced intercountry inequality due to rising per capita incomes.

- ❖ In over half of all countries, the richest 1% increased their share of wealth, covering 74% of the global population.
- ❖ In India, the top 1% grew their wealth share by 62%, while in China it grew by 54%.
- ❖ Countries with high inequality are seven times more likely to experience democratic decline.
- ❖ Since 2020, global poverty reduction has slowed or even reversed.
- ❖ Currently, 2.3 billion people face moderate or severe food insecurity.
- ❖ Half of the world's population still lacks essential health services, and 1.3 billion people are impoverished due to out-of-pocket health spending.



STATES' NEWS

Delhi Development Authority Projects

- ❖ The Delhi Development Authority (DDA) is developing the East Delhi Hub as a mixed-use urban centre integrating residential, commercial, and civic spaces.
- ❖ The Towering Heights project at Karkardooma will be Delhi's first Transit-Oriented Development (TOD) housing scheme.
- ❖ TOD focuses on pedestrian-friendly, mixed-use neighbourhoods built around public transport hubs to reduce vehicle use and commute time.
- ❖ The East Delhi Hub covers 30 hectares with 70% residential, 20% commercial, and 30% green open spaces.

- ❖ DDA approved a multi-sports integrated stadium in Narela on 30.35 hectares, with access to NH-1 and Urban Extension Road-II.
- ❖ An education hub is planned in Narela on 4.33 hectares, accommodating universities and higher education institutes.



Navy Shaurya Museum – Lucknow



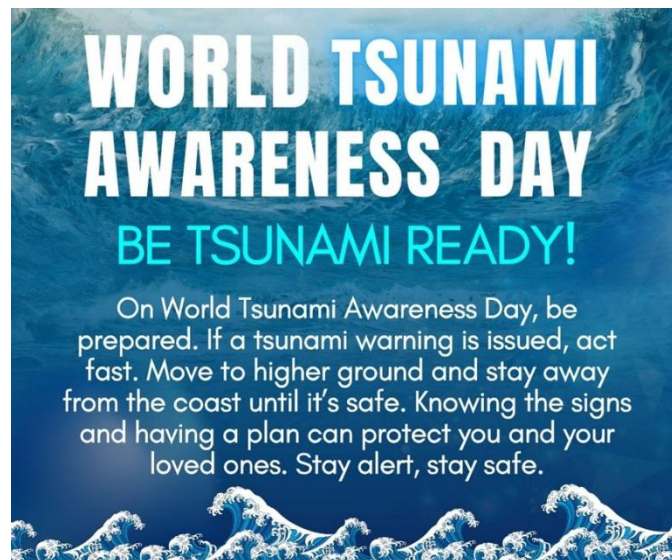
- ❖ Uttar Pradesh is making preparations for the Navy Shaurya Museum in Lucknow.
- ❖ The museum is planned near Ekana Stadium in CG City as North India's first maritime heritage complex.
- ❖ The project was launched in 2022.



- ❖ It features INS Gomati Shaurya Smarak with the F-21 Godavari-class frigate and Nausena Shaurya Vatika with TU-142 aircraft and Sea King SK-42B helicopter.

IMPORTANT DAYS

World Tsunami Awareness Day 2025 – November 5



- ❖ The day aims to promote the global awareness about tsunami risks and the importance of early warning systems, preparedness, and community resilience.
- ❖ The observance was established by the United Nations in 2015.
- ❖ Tsunamis are rare but can cause massive destruction; over 2.5 lakh people have lost their lives to tsunamis globally in the past century.
- ❖ The date, November 5, was inspired by the Japanese story “Inamura-no-hi” (The Burning of the Rice Sheaves), where a farmer saved villagers by alerting them of an approaching tsunami.
- ❖ The theme for 2025 is “Be Tsunami Ready: Invest in Tsunami Preparedness.”

International Day for Preventing the Exploitation of the Environment in War and Armed Conflict 2025 - November 06

- ❖ It aims to raise global awareness about protecting the environment during armed conflicts and to prevent its misuse for military advantage.
- ❖ It is observed because the environment often becomes a silent victim of war, with polluted water, destroyed forests, and poisoned soils.
- ❖ According to UNEP, around 40 percent of internal conflicts in the last 60 years have been linked to the exploitation of natural resources.

