



December - 10

TNPSC BITS

- ❖ Russia's Rosatom has started delivering nuclear fuel for the initial loading of Unit 3 at the Kudankulam Nuclear Power Project (KKNPP) in Tamil Nadu.
- ❖ Simone Tata, former head of Lakmé and Westside retail chain, passed away recently.
- ❖ BNHS scientist Parveen Shaikh has won the Sanctuary Wildlife Service Award 2025 for her work conserving the endangered Indian Skimmer.
 - Her community-led 'Nest Guardian' initiative in the Chambal Sanctuary boosted bird survival from near zero to 60 percent.
- ❖ India's total Internet subscriber base climbed to 1,017.81 million by the end of the July–September quarter (Q2 FY26).
 - In that, 44.42 million were wired connections and 973.39 million were wireless.
- ❖ The Great Nicobar Crake, a new species of the Rallina genus, was recently spotted on Great Nicobar Island, marking only the third record in over a decade.
 - The bird inhabits dense tropical rainforest undergrowth, often near wetlands and streams.

TAMIL NADU NEWS

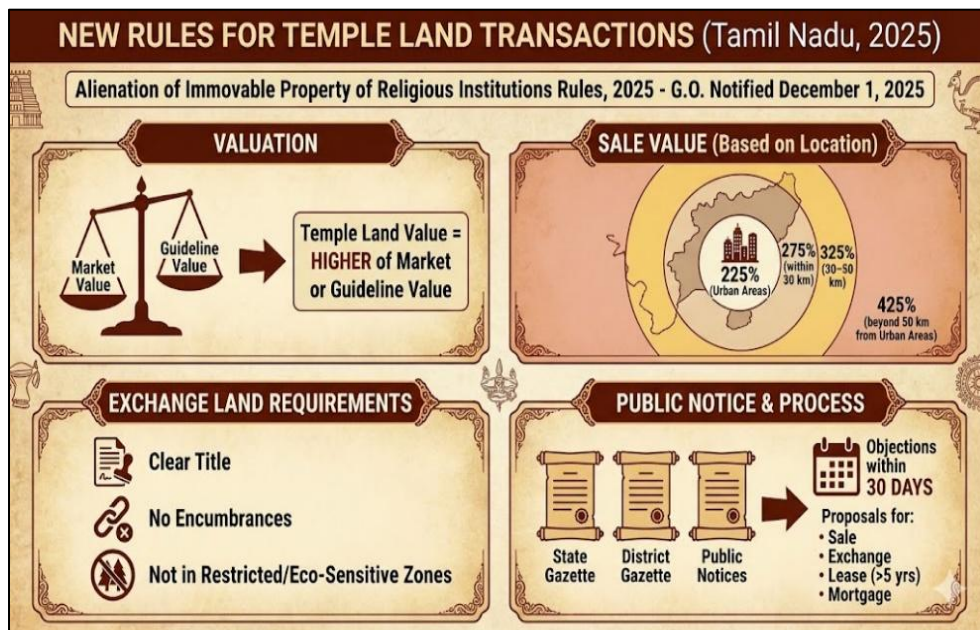
T.N. Rising Summit 2025

**ரூ.36,660 கோடி முதலீட்டிற்கான
91 புரிந்துணர்வு ஒப்பந்தங்கள் கையொழுத்து
மதுரையில் நடைபெற்ற முதலீட்டாளர்கள்
மாநாட்டில் முதலமைச்சர் மு.க.ஸ்டாலின்
முன்னிலையில் கையொழுத்தானது
56,766 புதிய வேலைவாய்ப்புகள் கிடைக்கும்**

- ❖ The T.N. (Tamil Nadu) Rising Summit in Madurai recorded 91 MoUs (Memorandums of Understanding) worth ₹36,660 crore.

- ❖ Tamil Nadu received ₹11.38 lakh crore in committed investments and created 34 lakh jobs in four years.
- ❖ The Madurai region is planned to get 56,766 new jobs through new industrial projects.
- ❖ A PM MITRA (Prime Minister Mega Integrated Textile Region and Apparel) Textile Park is being built in Virudhunagar for ₹1,894 crore.
- ❖ New parks include an engineering park and a food park in Theni and industrial parks in Sivaganga.
- ❖ A shipbuilding project by Hyundai and a non-leather footwear unit by Pei Hai are part of the new investments.

New Rules for Temple Land Transactions

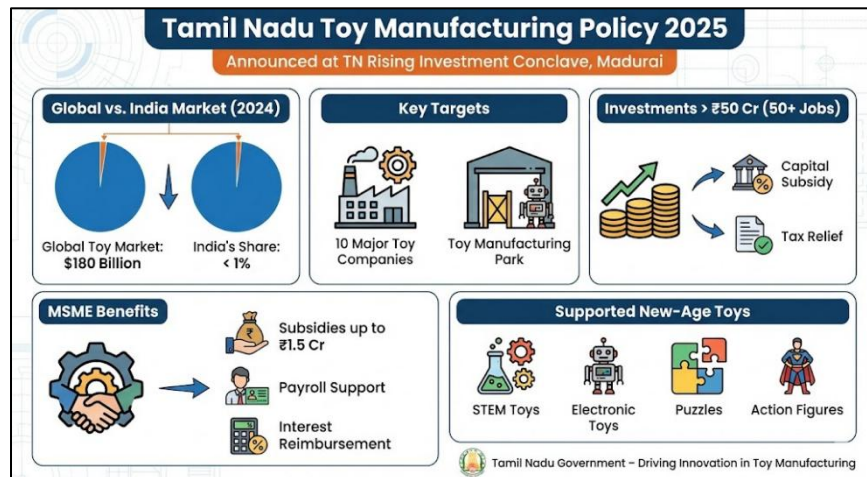


- ❖ Tamil Nadu issued the Alienation of Immovable Property of the Religious Institutions Rules, 2025 for temple land sale, exchange, lease, and mortgage.
- ❖ The rules were notified through a Government Order on December 1, 2025.
- ❖ Temple land value must be fixed using the higher of the market value or guideline value.
- ❖ Sale value is set at 225% in urban areas, 275% within 30 km, 325% within 30–50 km, and 425% beyond 50 km from urban areas.
- ❖ Lands offered in exchange must have a clear title, no encumbrances, and must not be in restricted or eco-sensitive zones.

- ❖ Proposals for sale, exchange, lease over five years, or mortgage must be published in the State gazette, district gazette, and public notices must be issued for objections within 30 days.

TN Toy Manufacturing Policy 2025

- ❖ Tamil Nadu has announced the Toy Manufacturing Policy 2025 at the TN Rising Investment Conclave in Madurai.
- ❖ The global toy market was valued at 180 billion US dollars in 2024, and India holds less than one per cent share.
- ❖ The policy plans to bring 10 major toy companies and set up a Toy Manufacturing Park.
- ❖ Investments above ₹50 crore with at least 50 jobs will receive special incentives such as capital subsidy and tax relief.
- ❖ Toy MSMEs will get subsidies up to ₹1.5 crore, payroll support, and interest reimbursement.
- ❖ The policy supports new-age toys like STEM (Science, Technology, Engineering and Mathematics) toys, electronic toys, puzzles, and action figures.



NATIONAL NEWS

Global Energy Leaders' Summit 2025

- ❖ The Global Energy Leaders' Summit (GELS) 2025 was inaugurated in Puri, Odisha.
- ❖ GELS is India's first platform for long-term energy cooperation between States and is modelled on the global COP summit.

- ❖ The theme of the event is “Powering India: Sufficiency, Balance, Innovation.”
- ❖ The main aim of the 2025 summit is to promote energy sufficiency, ecological balance, and innovation.



India International Science Festival 2025



- ❖ India International Science Festival (IISF) 2025 was held in Panchkula, Haryana.
- ❖ The theme of the festival was “Vigyan Se Samruddhi: for Aatmanirbhar Bharat”.

- ❖ The five focus areas were biotechnology, space, artificial intelligence, traditional knowledge integration, and science for society and education.
- ❖ IISF 2025 aimed to strengthen public engagement, scientific temper, and collaboration among ministries, research institutions, industry, and academia.

INTERNATIONAL NEWS

Elimination of River Blindness - Niger

- ❖ Niger became the first African country to eliminate onchocerciasis, confirmed by the WHO.
- ❖ Onchocerciasis, also called river blindness, is caused by the parasitic worm *Onchocerca volvulus*.
- ❖ The disease spreads through bites of infected *Simulium* blackflies that breed near fast-flowing rivers.
- ❖ Most global cases occur in sub-Saharan Africa and Yemen, with smaller areas in Brazil and Venezuela.
- ❖ The disease causes severe itching, skin changes, eye damage, and can lead to permanent blindness.



SCIENCE AND TECHNOLOGY NEWS

GLP-1 Drugs for Obesity

- ❖ The WHO released global guidelines endorsing GLP-1 therapies for long-term treatment of obesity in adults, excluding pregnant women.
- ❖ GLP-1 therapies should be combined with diet and exercise interventions; medication alone is not sufficient to address obesity.

- ❖ The WHO issued a conditional recommendation due to limited long-term data on efficacy, safety, and outcomes after discontinuation, as well as high costs.
- ❖ Obesity contributes to major noncommunicable diseases and global economic costs, projected to reach \$3 trillion annually by 2030.
- ❖ The WHO has emphasized equitable access to these drugs, calling for affordable generics, insurance coverage, and integrated obesity management systems worldwide.

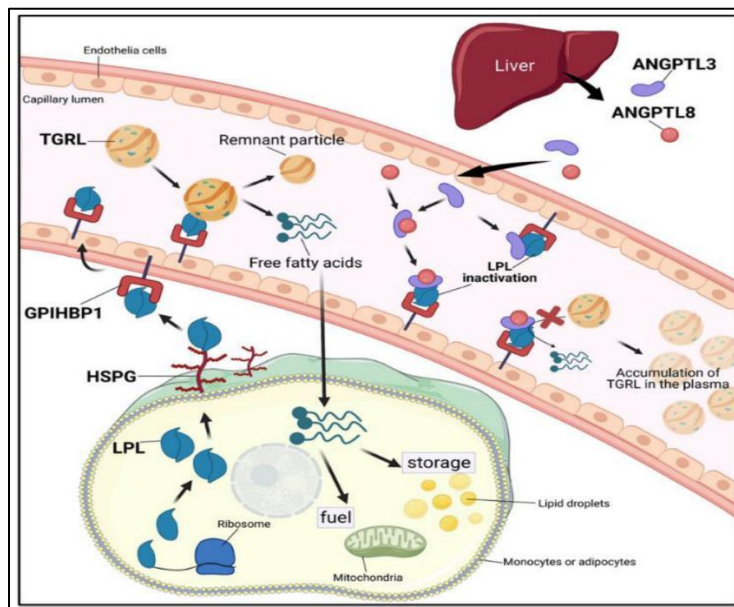
NEW WHO GUIDELINE ON GLP-1 THERAPIES FOR OBESITY TREATMENT

Obesity is a chronic, complex disease that requires lifelong care

GLP-1 therapies may be used for the treatment of obesity as part of a comprehensive treatment strategy combining:

- Medication
- Behavioral support focused on healthy diet & physical activity
- Long-term follow-up
- Digital tools can be enablers

Gene Therapy for Severe Cholesterol



- ❖ The therapy targets the ANGPTL3 (angiopoietin-like 3) gene, which regulates low-density lipoprotein (LDL) and triglyceride levels in the blood.

- ❖ Cholesterol is a fat-like substance in the blood.
- ❖ High levels of LDL (low-density lipoprotein) increase the risk of heart disease, while high triglycerides also raise cardiovascular risk.
- ❖ In a study of 15 patients, the highest dose reduced LDL cholesterol by 50% and triglycerides by 55%.
- ❖ The approach is inspired by a rare natural mutation in 1 in 250 people who naturally have inactive ANGPTL3 genes and low cholesterol without health issues.
- ❖ The treatment uses CRISPR-Cas9 gene editing to modify liver cells, the main site of cholesterol regulation.

Global Infertility Guidelines 2025

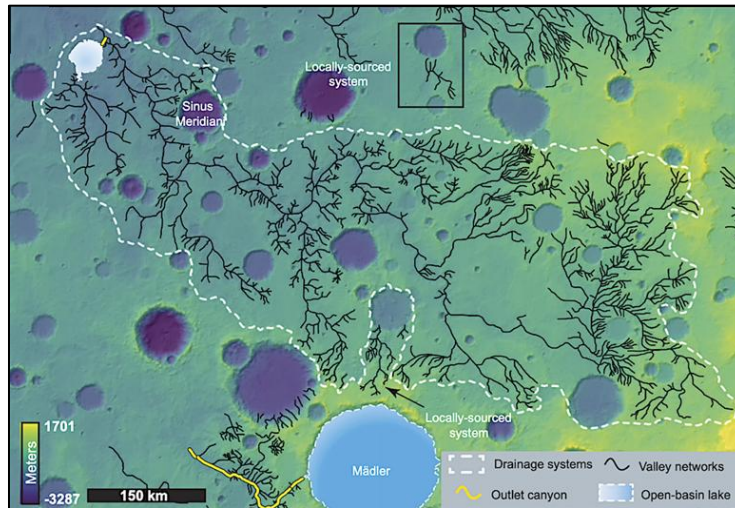
- ❖ The WHO issued its first global guideline in 2025 on infertility.
- ❖ Infertility is defined as the failure to achieve pregnancy after 12 months of regular unprotected sexual intercourse.
- ❖ It affects about 1 in 6 people of reproductive age worldwide.
- ❖ The guideline includes 40 evidence-based recommendations for the prevention, diagnosis, and treatment of infertility.
- ❖ It promotes cost-effective fertility care integrated into national health systems and emphasizes lifestyle interventions and psychosocial support.
- ❖ Countries are encouraged to adapt the guidelines to local contexts and monitor progress for better access to safe and affordable fertility care.



Mars River Basins Map

- ❖ Scientists have mapped 16 major ancient river basins on Mars, including Paraná Valles.

- ❖ The basins were identified using valley networks, lakes, rivers, canyons, and sediment deposits.
- ❖ The Large drainage systems on Mars cover 100,000 square kilometres or more, similar to Earth's large rivers.
- ❖ These areas show evidence of ancient flowing water, erosion, and sediment transport.
- ❖ Large basins represent 42% of the total material eroded by rivers on Mars, even though they cover only 5% of the planet's terrain.



ENVIRONMENT NEWS

Winter Birds in Nilgiris



- ❖ Grey-necked Bunting in Kotagiri and Black-headed Bunting in Masinagudi were spotted for the first time.

- ❖ Regular winter migrant birds were also spotted.
- ❖ Birds of prey like the Greater Spotted Eagle and Steppe Eagle were noted in higher numbers.
- ❖ Northern Pintails and Booted Warblers were recorded in the Nilgiris this winter.

Horn-Eyed Ghost Crab - Andhra Pradesh

- ❖ Researchers have recorded the first confirmed instance of a horn-eyed ghost crab preying on a mottled light foot crab.
- ❖ The observation occurred along the Rushikonda shoreline in during low tide.
- ❖ Lightfoot crabs normally inhabit rocky crevices, while horn-eyed ghost crabs are usually found on sandy stretches.
- ❖ The predation suggests a temporary overlap of habitats and an extension of the horn-eyed ghost crab's foraging behaviour.
- ❖ Ghost crabs, belonging to the genus *Ocypode*, are keystone species in sandy intertidal zones.
- ❖ Six ghost crab species are recorded along India's coast, with three, *O. brevicornis*, *O. macrocera*, and *O. cordimanus*, occurring at Rushikonda Beach.



STATES' NEWS

Hate Speech and Hate Crimes Bill 2025

- ❖ The Karnataka Cabinet approved this Bill, which will be tabled in the Winter session of the State legislature in Belagavi.

- ❖ The Bill defines hate speech as any expression made or shared to create injury, disharmony, enmity or hatred based on religion, race, caste, gender, language, disability or other factors.
- ❖ Punishment for a hate crime includes imprisonment from 1 to 7 years and a fine of ₹50,000.
- ❖ Repeat offences carry 2 to 10 years of imprisonment and a fine of ₹1 lakh.
- ❖ The Bill empowers authorities to block or remove hate crime material from any platform, including electronic media.
- ❖ Karnataka has become the first state in India to introduce legislation specifically targeting hate speech



KARNATAKA MISINFORMATION & FAKE NEWS DRAFT BILL

WHAT IT DOES
Bans fake news/ misinformation targeting people in Karnataka.

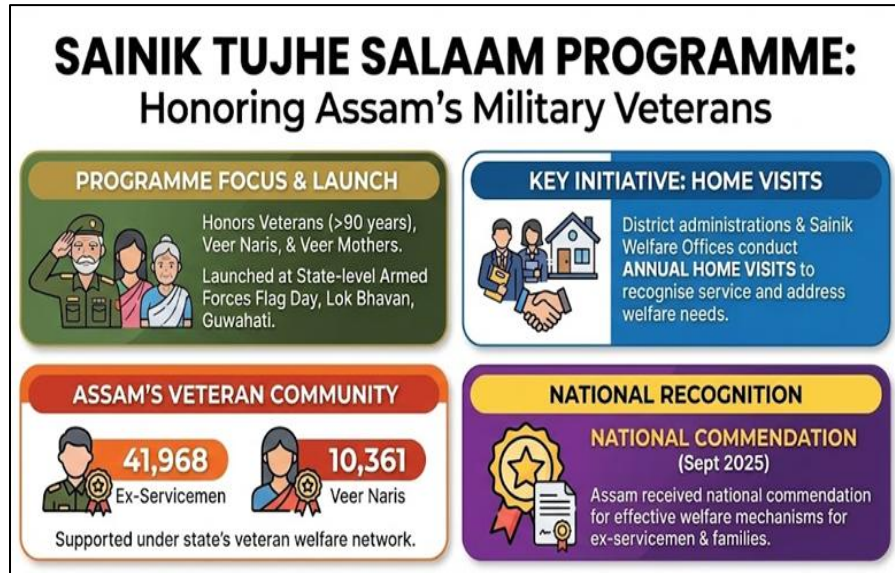
PENALTIES
Misinformation: 2-5 yrs jail + fine
Fake news on social media: Up to 7 yrs jail + Rs 10L fine

BANNED CONTENT
Misquotes, distortions, fabricated posts
Anti-feminist, superstitious, or abusive content
Disrespect to 'Sanatan' beliefs
Unverified claims on science/religion

Sainik Tujhe Salaam program

- ❖ Assam launched the programme to honour military veterans above 90 years, Veer Naris, and Veer Mothers on Armed Forces Flag Day.
- ❖ District administrations and sainik welfare offices will conduct annual home visits to recognise the service of veterans and address their welfare needs.
- ❖ Assam has approximately 41,968 ex-servicemen and 10,361 Veer Naris supported under its veteran welfare network.

- ❖ The state received national commendation in September 2025 for its effective welfare mechanisms for ex-servicemen and their families.



SPORTS NEWS

Khelo India University Games 2025

FINAL MEDAL TALLY

RANK	UNIVERSITY NAME	GOLD	SILVER	BRONZE	TOTAL
1	CHANDIGARH UNIVERSITY	42	14	11	67
2	LOVELY PROFESSIONAL UNIVERSITY	32	24	22	78
3	GURU NANAK DEV UNIVERSITY	32	22	18	72
4	JAIN UNIVERSITY	30	9	11	50
5	GURU KASHI UNIVERSITY	15	15	18	48

- ❖ The 5th edition of Khelo India University Games (KIUG 2025) was held across seven cities in Rajasthan.
- ❖ Chandigarh University topped the medal tally with 67 medals, followed by Lovely Professional University (78 medals) and Guru Nanak Dev University (72 medals).
- ❖ Olympian Srihari Nataraj, high jumper Pooja Singh, archer Aditi Swami, wrestler Mansi Lather, and shooter Ashi Chouksey were among the top athletes.

- ❖ The games were organized under the Khelo India Programme by the Ministry of Youth Affairs and Sports, Sports Authority of India.

IMPORTANT DAYS

International Civil Aviation Day 2025 - December 07

- ❖ This day marks the founding of the International Civil Aviation Organization (ICAO).
- ❖ The theme for 2025 is “Safe Skies. Sustainable Future: Together for All.”
- ❖ The aim of the day is to raise awareness about the role of civil aviation in connecting people, promoting economic growth, and ensuring safe and efficient global air transport.
- ❖ The day traces its origin to the Chicago Convention of 1944 and was officially recognized by the United Nations (UN) in 1996.



MISCELLANEOUS NEWS

Top Google Searches in India 2025

- ❖ The most searched term in India in 2025 was the Indian Premier League (IPL).
- ❖ Google Gemini, an artificial intelligence (AI) tool, was the second most searched term.
- ❖ Other top searches included the Asia Cup and ICC Champions Trophy.
- ❖ Popular AI platforms like Grok, DeepSeek, and Perplexity were among the top trending AI searches.
- ❖ The most searched movie in India was Saiyaara.



- ❖ Food-related searches included Idli and Gond Katira among the most searched items.

