

September - 11

TNPSC BITS

- ❖ Japan's Prime Minister Shigeru Ishiba resigned after serving less than a year in office, following election defeats for his Liberal Democratic Party.
- ❖ Carlos Alcaraz (Spain) defeated Jannik Sinner (Italy) to win the 2025 US Tennis Open men's singles title, while Aryna Sabalenka (Belarus) secured her second consecutive women's singles championship.
- ❖ Kokichi Akuzawa from Japan became the oldest person to summit Mount Fuji at age 102, setting a Guinness World Record.
- ❖ India will host the 28th Asian Table Tennis Team Championships in Bhubaneswar (Odisha) from October 11 to 15, marking the first time the state is hosting an Asian-level table tennis event.
- ❖ India's men's compound archery team made its first-ever gold medal win at the World Championships in Gwangju (South Korea) by defeating France.
- ❖ The 11th Asian Aquatics Championship will be held for the first time in India from 28 September to 11 October 2025 in Ahmedabad, Gujarat.
- ❖ The Ministry of Youth Affairs and Sports and the Swimming Federation of India launched mascot Jalveer and the official logo in New Delhi.
- ❖ The Nepal and China's People's Liberation Army will conduct the joint exercise 'Sagarmatha Friendship' in China from 21 September to 1 October 2025.

TAMIL NADU NEWS

Seemai Karuvelam Free Villages

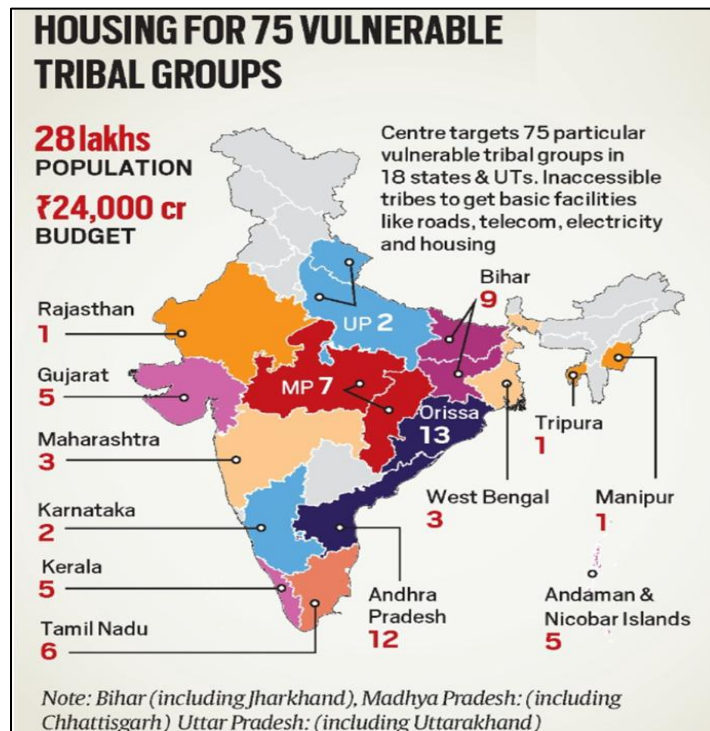


- ❖ The Tamil Nadu government informed the Madras High Court that 517 villages across 32 districts have been declared seemai karuvelam (*Prosopis juliflora*) free.

- ❖ The invasive species Seemai Karuvelam is considered harmful to local ecology and groundwater conservation.
- ❖ The Madras High Court asked the state to make at least one entire district seemai karuvelam free as a pilot initiative.
- ❖ The state government held a high-level meeting on August 25, 2025, to prepare an action plan for replacing Seemai Karuvelam with native trees.

NATIONAL NEWS

Separate Census for PVTGs



- ❖ The Ministry of Tribal Affairs has urged the Registrar General and Census Commissioner to separately enumerate Particularly Vulnerable Tribal Groups (PVTGs) in the upcoming census.
- ❖ Out of more than 700 tribal communities, 75 are identified as PVTGs, residing in 18 States and the Union Territory of Andaman and Nicobar Islands.
- ❖ The ministry noted that while data on Scheduled Tribes was collected during the 2011 Census, separate data for PVTGs was not gathered.
- ❖ Precise enumeration of PVTGs is essential for targeted welfare schemes like the Pradhan Mantri Janjati Adivasi Nyaya Maha Abhiyan (PM-JANMAN).
- ❖ PM-JANMAN, launched on November 15, 2023, aims to improve the living conditions of PVTGs by providing housing, drinking water, education, healthcare,

nutrition, connectivity, electricity, and livelihood opportunities within three years.

- ❖ PVTGs face deep socio-economic challenges, including poor health, low literacy, and limited access to basic services, often living in remote and inaccessible regions.
- ❖ The Dhebar Commission in the 1960s first classified these groups, then called 'Primitive Tribal Groups,' based on stagnant populations, low literacy, and pre-agricultural economies.

Expansion of High-Speed Road Network



- ❖ India will invest ₹11 lakh crore (125 billion US dollars) to expand its high-speed road network by 2033.
- ❖ The plan includes the construction of 17,000 kilometers of access-controlled roads, allowing speeds up to 120 kilometers per hour.
- ❖ As of March 2025, India's national highway network covers over 146,000 kilometers, but only 4,500 kilometers meet high-speed standards.
- ❖ Around 40 percent of the proposed high-speed corridors are already under construction and expected to be completed before 2030.
- ❖ Remaining projects will begin by 2028 and are targeted for completion by 2033.
- ❖ Projects with over 15 percent returns will follow the Build-Operate-Transfer (BOT) model, allowing private toll collection.
- ❖ Other projects will use the Hybrid Annuity Model (HAM), where the government pays 40 percent of construction costs upfront.

- ❖ In 2024–25, the National Highways Authority of India spent ₹2.5 trillion, a 21 percent rise from the previous year.
- ❖ For 2025–26, the central government has allocated ₹2.9 trillion for road and highway development.

Lithium-Ion Battery Manufacturing Plant



- ❖ India's largest lithium-ion (Li-ion) battery manufacturing plant was inaugurated in Sohna, Gurgaon, Haryana on September 5, 2025.
- ❖ This will meet nearly 40% of India's total requirement of 50 crore battery packs.
- ❖ The facility was established under the Centre's Electronics Manufacturing Cluster (EMC) scheme.
- ❖ Li-ion batteries are rechargeable with lithium ions moving between graphite (negative electrode) and lithium metal oxides (positive electrode) through a non-aqueous electrolyte.
- ❖ They offer high energy density of 75-200 watt-hours per kilogram, are lightweight, use fewer toxic metals, and provide good cycle stability and efficiency.

INTERNATIONAL NEWS

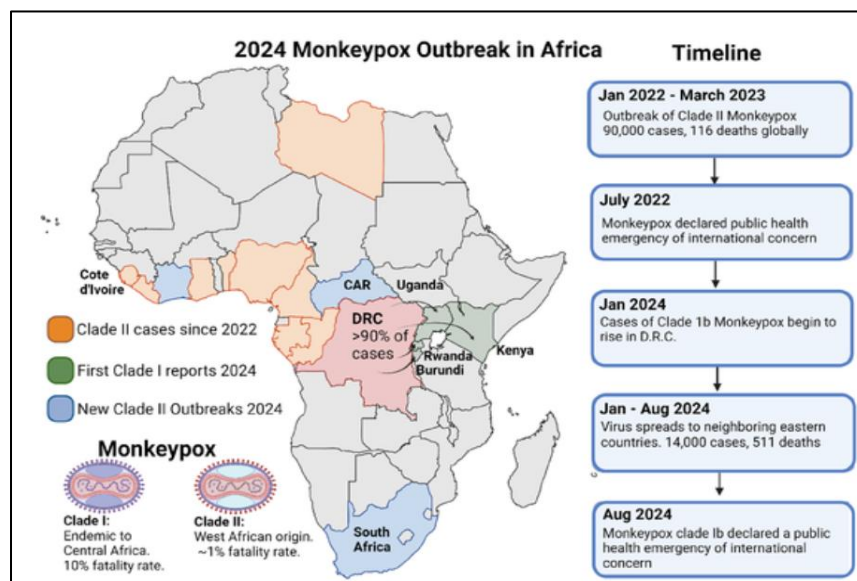
Ukraine's Postwar Security

- ❖ Twenty-six countries have pledged postwar security guarantees to Ukraine, covering support on land, sea, and in the air.

- ❖ French President Emmanuel Macron announced the pledge after a summit in Paris with leaders from 35 countries supporting Ukraine.
- ❖ The guarantees are to be implemented immediately after the war ends, aimed at preventing future Russian aggression.
- ❖ The United States is finalizing its contribution to the guarantees following discussions with European leaders and President Volodymyr Zelenskiy.
- ❖ France and the United Kingdom indicated willingness to deploy troops postwar, while countries like Italy and Bulgaria offered non-combat support.



Mpox outbreak in Africa

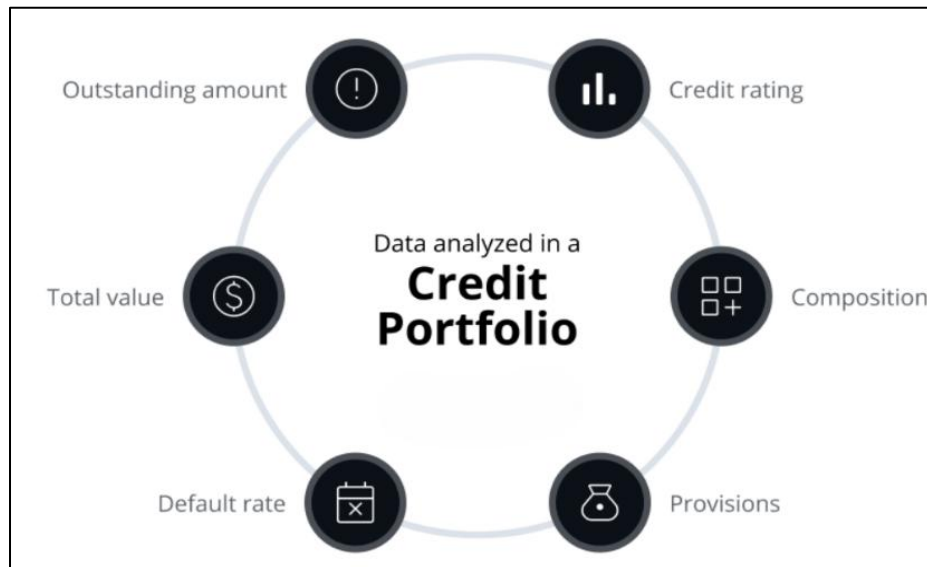


- ❖ The World Health Organization (WHO) announced that the mpox outbreak in Africa is no longer a Public Health Emergency of International Concern.

- ❖ The outbreak began in early 2024 with a new form of mpox virus spreading in Congo and nearby African countries through close contact, including sexual transmission.
- ❖ The virus strain involved belongs to clade I, known to be more severe and widely reported in Burundi, Uganda, and the Democratic Republic of the Congo.
- ❖ Clade II of the mpox virus had caused a global outbreak in 2022, with hundreds of daily cases in countries like the United States.
- ❖ Improved public health measures and increased testing capacity in affected regions led to a sustained decline in case numbers.

ECONOMY NEWS

Small Business Credit Market



- ❖ Maharashtra topped the list with ₹6.0 lakh crore small business credit portfolio.
- ❖ It is followed by Tamil Nadu, Gujarat, ₹3.69 lakh crore, Uttar Pradesh, ₹3.61 lakh crore, and Karnataka, ₹3.18 lakh crore.
- ❖ Tamil Nadu had an outstanding small business credit portfolio of ₹4.21 lakh crore as of June 30, 2025, up 15.7% from ₹3.64 lakh crore in June 2024.
- ❖ Tamil Nadu accounted for 9.3% of India's total small business credit.
- ❖ TN ranked second in borrower segments of Sole Proprietors and Sole Proprietors with Entity Presence, with shares of 11% and 8.8% respectively.
- ❖ In the Enterprises borrower segment, Tamil Nadu held a 7.9% share while Gujarat stood second with 9.7%.

- ❖ Chennai contributed 10.6% to Tamil Nadu's small business credit portfolio, while the state's PAR (Portfolio at Risk) 91-180 stood at 1.7% in June 2025.
- ❖ It is a joint report by Small Industries Development Bank of India (SIDBI) and credit bureau CRIF High Mark.

SCIENCE AND TECHNOLOGY NEWS

Water-Soluble Fertilizer Technology

- ❖ India has developed its first indigenous water-soluble fertiliser technology after seven years of research.
- ❖ The technology is backed by the Ministry of Mines and uses Indian raw materials and plant designs.
- ❖ It aims to reduce 95% dependency on Chinese specialty fertilisers, which currently dominate India's imports.
- ❖ The process can produce multiple fertiliser types through a single, zero-effluent, emission-free method.



New Radars in Jammu and Kashmir



- ❖ Four additional weather radars will be installed in Jammu and Kashmir under Mission Mausam to improve weather forecasting and early warning systems.
- ❖ Currently, three radars are operational in the Union Territories of Jammu and Kashmir.
- ❖ The installation aims to increase lead time in warning of sudden weather changes, causing intense rainfall and floods.
- ❖ The monsoon rainfall from June 1 to August 31 was 6% above normal levels nationwide.
- ❖ Northwest India, including Jammu, Kashmir, Uttarakhand, Punjab, Haryana, Rajasthan, Uttar Pradesh, and Delhi, received 26% more rainfall than usual.
- ❖ The active monsoon was caused by a confluence of western disturbances from the Mediterranean and storms moving north from the Bay of Bengal.
- ❖ The India Meteorological Department (IMD) expects this intense monsoon trend to continue through September, following an increasing rainfall trend since 1980.

Colon Cancer Vaccine for Use

- ❖ Russia's Federal Medical Biological Agency (FMBA) completed its mRNA-based colon cancer vaccine preclinical trials with high efficacy and safety.

- ❖ The vaccine targets colorectal cancer and showed tumor reduction rates between 60% and 80%.
- ❖ Colon cancer, also known as colorectal cancer when it includes both the colon and rectum.
- ❖ It is a type of cancer that begins in the large intestine (colon), which is part of the digestive system.

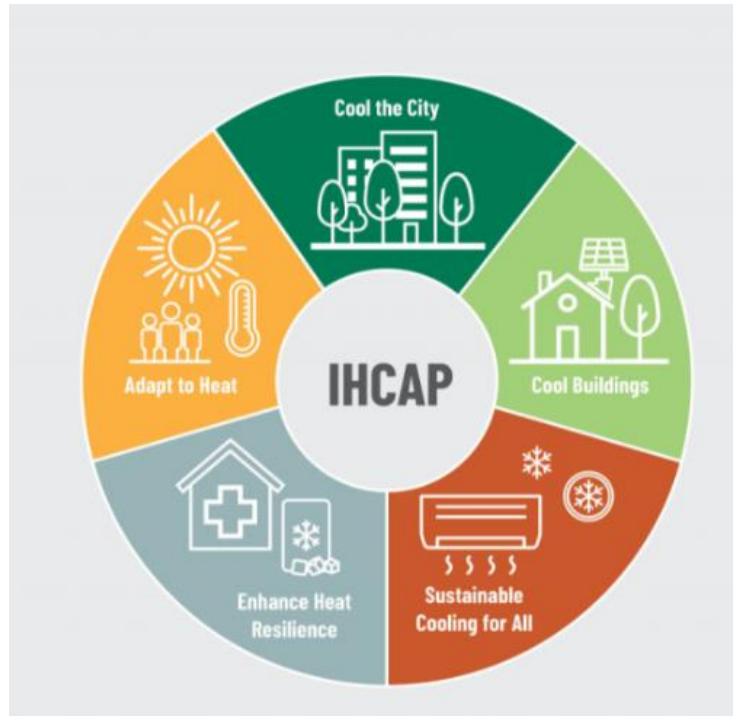


STATES' NEWS

Integrated Heat and Cooling Action Plan

- ❖ iFOREST and Bhubaneswar Municipal Corporation released the Integrated Heat and Cooling Action Plan for the city.
- ❖ The temperature difference between the city and rural areas now ranges from 2.0 to 5.0 degrees Celsius.
- ❖ Heat stress in Bhubaneswar extends till October, with 230 days in 2024 qualifying as orange or yellow alert days.
- ❖ By 2050, a regular hot day in Bhubaneswar is projected to feel like today's heatwave conditions.
- ❖ Cooling now uses one-third of city electricity, rising to nearly two-thirds in summer months.
- ❖ Bhubaneswar's total annual income loss due to heat stress is currently estimated at 8.6 percent.

- ❖ Bhubaneswar of Odisha became the first Indian city to release this.



SPORTS NEWS

Hockey Asia Cup 2025

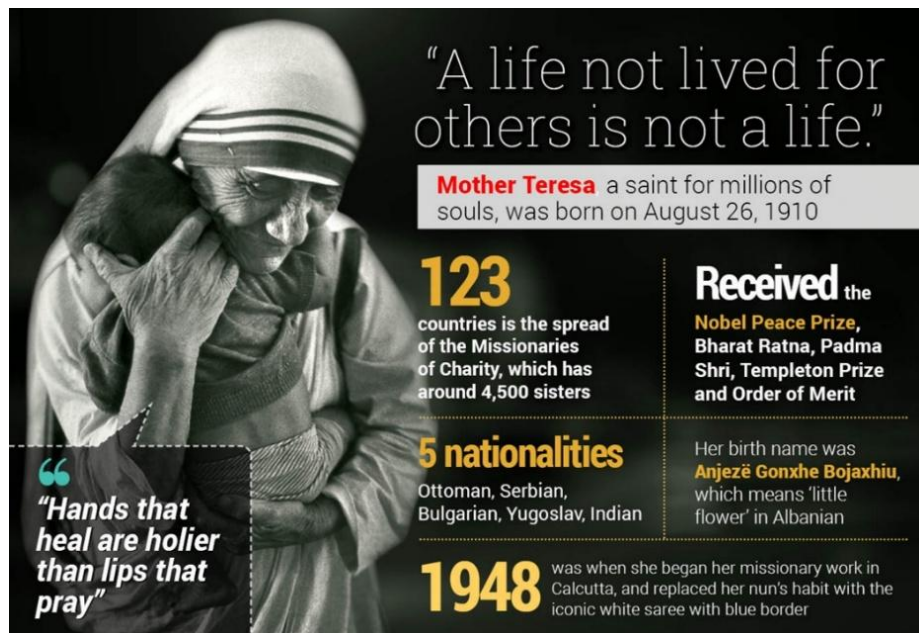


- ❖ India beat Korea 4-1 to win the Men's Asia Cup Hockey tournament for the fourth time in Rajgir, Bihar.
- ❖ As a result, India qualified for the World Cup next year.

- ❖ This year marked India's first final in eight years and ninth overall in the tournament.
- ❖ The event is organised by the Asian Hockey Federation and started in 1982.
- ❖ South Korea holds the record for the most titles, having won five times.
- ❖ India follows with four titles, including their latest win in 2025.

IMPORTANT DAYS

International Day of Charity 2025 - September 05



- ❖ It aims to promote charitable actions and raise awareness about supporting people in need.
- ❖ The date was chosen in order to commemorate the anniversary of the passing away of Mother Teresa of Calcutta.
- ❖ In 1928 she came to India, and she devoted herself to helping the destitute.
- ❖ In 1948 she became an Indian citizen and founded the order of Missionaries of Charity in Kolkota (Calcutta) in 1950
- ❖ She received the Nobel Peace Prize in 1979.

