



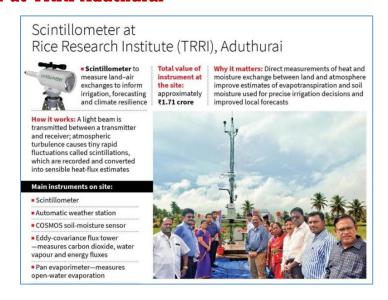
November - 13

## TNPSC BITS

- President Droupadi Murmu begins India's first-ever state visit to Angola and Botswana to strengthen ties in energy, trade, health, and defence, marking 40 years of India-Angola relations.
- ❖ The Ministry of New and Renewable Energy will host the International Conference on Green Hydrogen 2025 in New Delhi.
  - o It aims to share knowledge on scaling up green hydrogen production, enabling infrastructure, building demand, and promoting global collaboration.
- ❖ Exercise Malabar 2025, a multilateral naval drill, is underway at Guam in the Northern Pacific Ocean.
  - o India is represented by INS Sahyadri, a stealth guided missile frigate.
- ❖ The Egyptian Ministry of Petroleum and Mineral Resources announced a new natural gas discovery in the Badr-15 area of the Western Desert.
  - The discovery is expected to contribute approximately 15 billion cubic feet to Egypt's gas reserves, sourced from the Lower Bahariya reservoir.

### TAMIL NADU NEWS

#### Scintillometer at TRRI Aduthurai



❖ A scintillometer is an optical instrument that measures heat and moisture exchange between the land and the air.





- ❖ It was installed at the Tamil Nadu Rice Research Institute (TRRI), Aduthurai.
- ❖ The instrument is part of the Critical Zone Observatory (CZO) under the Tamil Nadu Agricultural University (TNAU) with support from the National Centre for Earth Science Studies (NCESS).
- ❖ The observatory has been fully operational since 2022 and is the only one of its kind in Tamil Nadu.
- ❖ The data helps improve irrigation planning, climate forecasting, and research on water cycles and climate-smart farming in the Cauvery delta.

## **NATIONAL NEWS**

## **New Aadhaar App**



- ❖ UIDAI has launched a new Aadhaar app for smartphones, available on Google Play Store and Apple App Store.
- ❖ The app allows citizens to securely carry their digital Aadhaar card, eliminating the need for physical copies.
- ❖ Features include multi-profile management (up to 5 family members per device), facial recognition, biometric locks, QR code sharing, offline access, and usage history tracking.
- ❖ The new Aadhaar app differs from the mAadhaar app:





- o New Aadhaar App: For daily digital ID use, family management, and controlled data sharing.
- o mAadhaar App: For downloading e-Aadhaar PDFs, ordering physical cards, creating virtual IDs, and updating account details.

## Deep-Sea Fishing Norms in India



- ❖ The "Sustainable Harnessing of Fisheries in the Exclusive Economic Zone of India Rules, 2025" were notified by the Ministry of Fisheries, Animal Husbandry and Dairying.
- ❖ The rules apply to all fishing and fishing-related activities by Indian vessels in the EEZ (~2.3 million sq km) beyond territorial waters.
- ❖ Mechanised and large-size motorised vessels in the EEZ must obtain an Access Pass online via the ReALCRaft Portal.
- \* Traditional and small-scale fishers are not required to have the Access Pass.
- ❖ Foreign fishing vessels are banned from operating in India's EEZ, giving priority to Indian fishermen's cooperatives and Fish Farmer Producer Organisations (FFPOs).
- ❖ The rules promote deep-sea fishing using advanced vessels and the "mother-and-child vessel" model.





❖ Harmful fishing practices such as LED light fishing, pair trawling, and bull trawling are prohibited, and fish caught in the EEZ will be recognised as "Indian origin" under customs norms.

### INTERNATIONAL NEWS

## Hanimaadhoo Airport in Maldives

- ❖ Maldives inaugurates Hanimaadhoo International Airport built with India's support to boost connectivity and regional growth.
- ❖ The project is funded by an \$800 million EXIM Bank of India credit line and built by India's JMC Projects at a cost of \$136.6 million.
- ❖ It marks 60 years of Maldives–India diplomatic ties under India's Neighbourhood First and MAHASAGAR visions.



## **ECONOMY NEWS**

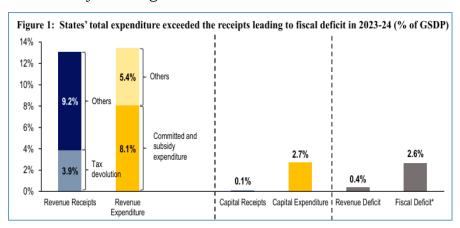
### State of state Finances 2025 Report

- ❖ States collectively maintained their Gross Fiscal Deficit (GFD) close to the FRBM (Fiscal Responsibility and Budget Management) target of 3% of GDP.
- ❖ For FY 2024-25, the GFD is estimated at 3.2% of GDP, which is within a manageable range.





- ❖ In 2024-25, Capital expenditure by states has reached 3.1% of GDP.
- ❖ In 2023-24, states collectively spent 62% of their revenue receipts on interest payments, salaries, pensions, and subsidies.
- ❖ The outstanding debt level of states (28.5% of GDP) remains significantly above the FRBM target of 20%.
- ❖ Except for Gujarat, Maharashtra, and Odisha, most states exceed this limit.
- ❖ States like Punjab, Kerala, and West Bengal have significantly high debt levels.
- ❖ As of 2025–26, 12 states have launched unconditional cash transfer schemes for women.
- ❖ On aggregate, states have estimated to raise 58% of revenue receipts from own-tax and own non-tax sources in 2025-26.
- ❖ In 2025-26, own-tax revenue is estimated to be higher than 50% of revenue receipts in 10 states.
- ❖ These include Andhra Pradesh, Gujarat, Haryana, Karnataka, Kerala, Maharashtra, Punjab, Telangana, Tamil Nadu, and Delhi.
- ❖ States with a higher share of subsidy expenditure include Punjab (21% of revenue receipts), Tamil Nadu (14%), Rajasthan (14%), Karnataka (14%), and Gujarat (13%).
- ❖ Tamil Nadu spent 60% of its total subsidy budget on bus transport (12%), subsidised electricity tariff (20%), and support under the PDS scheme (28%).
- ❖ It was released by PRS Legislative research.



## **ENVIRONMENT NEWS**

### **COP30 - Climate Summit**

❖ The 30th Conference of Parties (COP30) to the United Nations Framework Convention on Climate Change (UNFCCC) is being held in Belém, Brazil.





- ❖ It marks ten years since the Paris Agreement, which aimed to limit global temperature rise to below 2°C and strive for 1.5°C above pre-industrial levels.
- ❖ COP30 is called the "Implementation COP" because it focuses on converting global climate commitments into real, measurable actions guided by the Global Stocktake (GST).
- ❖ The summit covers six priority areas clean energy, industry, and transport transitions; forest, ocean, and biodiversity protection; transformation of food systems; and resilience in cities and water systems.
- ❖ The 'Baku-to-Belém Roadmap' aims to scale up climate finance for developing nations to \$1.3 trillion per year by 2035, building on the \$300-billion New Collective Quantified Goal (NCQG) from COP29.
- COP30 aims to strengthen global unity, accelerate emission cuts, and ensure that the Amazon — and ecosystems like it — continue to support a stable, sustainable planet.



# **UN-Backed Climate Integrity Checklist**

- ❖ The Global Reporting Initiative (GRI) launched the United Nations (UN)-endorsed "Integrity Matters Checklist".
- The tool helps companies and investors align their climate disclosures with UN standards for credible net-zero targets and transition plans.
- ❖ Developed with the UN, it builds on recommendations from the UN High-Level Expert Group (HLEG) on Net Zero Commitments and links them to GRI sustainability reporting standards.
- ❖ The checklist complements the updated "GRI 102: Climate Change 2025 Standard".

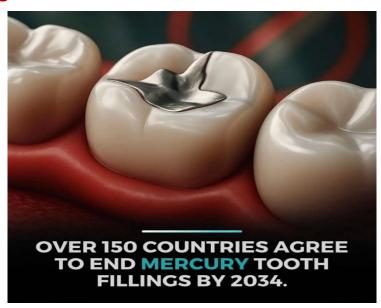




❖ It also supports the Paris Agreement and the 2030 Agenda for Sustainable Development.



## Mercury Fillings Ban 2034



❖ Countries around the world have agreed under the Minamata Convention on Mercury to completely stop using mercury-based dental amalgam by the year 2034.





- ❖ This important decision was made at a conference held in Geneva to protect human health and the environment from mercury pollution.
- ❖ The Minamata Convention on Mercury was adopted in 2013 and came into force in 2017.
- ❖ More than 150 countries are members of this convention.
- ❖ The World Health Organization (WHO) lists mercury among the top ten chemicals that pose serious risks to human health.
- ❖ The agreement also aims to end the use of mercury in skin-lightening cosmetics and small-scale gold mining.

#### Montreal Protocol - MOP 37



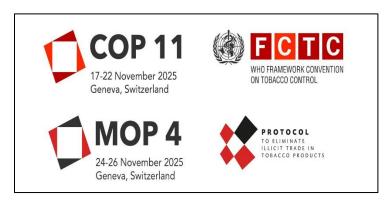
- ❖ The 37th Meeting of the Parties (MOP-37) to the Montreal Protocol was held in Nairobi, Kenya.
- ❖ The meeting reviewed global progress under the Montreal Protocol on Substances that Deplete the Ozone Layer.
- ❖ It was adopted in 1987 to phase out ozone-depleting substances (ODS).
- ❖ The session emphasized the implementation of the Kigali Amendment (2016), which seeks to phase down hydrofluorocarbons (HFCs) that contribute to global warming.





❖ Parties reaffirmed their commitment to the complete recovery of the ozone layer and to maintaining the Protocol's role as a model for global environmental cooperation.

#### WHO-FCTC COP11



- ❖ The Federation of All India Farmer Associations (FAIFA) criticised WHO Framework Convention on Tobacco Control (WHO-FCTC) 11th Conference of the Parties (COP11) for excluding tobacco farmers.
- ❖ COP11 is scheduled to be held in Geneva from November 17–22, 2025.
- ❖ FAIFA's request for farmer participation at WHO-FCTC COP11 was rejected, citing misalignment with FCTC objectives.
- ❖ FAIFA stated that FCTC Articles 17 and 18 call for protecting farmers' livelihoods and promoting sustainable alternatives.
- ❖ India is the world's second-largest tobacco producer and ranks fourth in Flue-Cured Virginia (FCV) tobacco production.
- ❖ India is the second-largest exporter of unmanufactured tobacco, with exports of ₹12,006 crore in 2023–24.
- Over 36 million people in India depend on tobacco cultivation, processing, and trade for their livelihood.
- ❖ FAIFA warned that excluding farmers from policy discussions could destabilise rural economies and affect livelihoods.

### REPORTS AND INDICES

## World's Top 10 Billionaire Cities - Mumbai and Delhi

- ❖ According to the "Hurun Global Rich List" (2025), New York tops the world with 119 billionaires, followed by London with 97.
- Mumbai ranks third with 92 billionaires.





❖ New Delhi, ranks ninth globally with 57 billionaires.



## STATES' NEWS

## Tribal Genome Sequencing Project - Gujarat



❖ Gujarat becomes the first Indian state to launch a genome sequencing initiative exclusively for tribal communities.





- ❖ The Tribal Genome Sequencing Project will sequence the genomes of 2,000 individuals from tribal populations across 17 districts.
- ❖ The project was titled "Creation of Reference Genome Database for Tribal Population in Gujarat".
- ❖ It is implemented by the Gujarat Biotechnology Research Centre (GBRC).
- ❖ It is funded under the 2025–26 state budget.
- ❖ The initiative aims to detect genetic disorders like sickle cell anaemia, thalassaemia, and hereditary cancers, enabling early intervention and precision healthcare.
- Collected genetic data will help identify markers for natural immunity and support personalized healthcare solutions, while empowering tribal communities through advanced technology.

# PERSONALITIES, AWARDS, AND EVENTS

### **Earthshot Prize 2025**



- ❖ Earthshot Prize ceremony held in Rio de Janeiro, Brazil, to promote global climate solutions.
- The 2025 winners are 're.green' (Brazil) for protecting nature, Bogotá (Colombia) for clean air, the High Seas Treaty (Global) for ocean revival, Lagos Fashion Week (Nigeria) for a waste-free world, and Friendship (Bangladesh) for climate action.
- ❖ The Earthshot Prize, launched in 2020, awards £1 million each to five winners developing innovative environmental projects.





❖ The initiative aims to encourage international cooperation in combating climate change and highlights the importance of aligning climate advocacy with sustainable practices.

## **IMPORTANT DAYS**

## World Science Day for Peace and Development 2025 - November 10

- ❖ The United Nations Educational, Scientific and Cultural Organisation (UNESCO) proclaimed this day in 2001.
- ❖ The idea for the day was first proposed at the World Conference on Science held in Budapest in 1999.
- ❖ The day aims to highlight the importance of science in society and promote public engagement in scientific issues.
- ❖ The theme for 2025 is "Trust, Transformation, and Tomorrow: The Science We Need for 2050".



